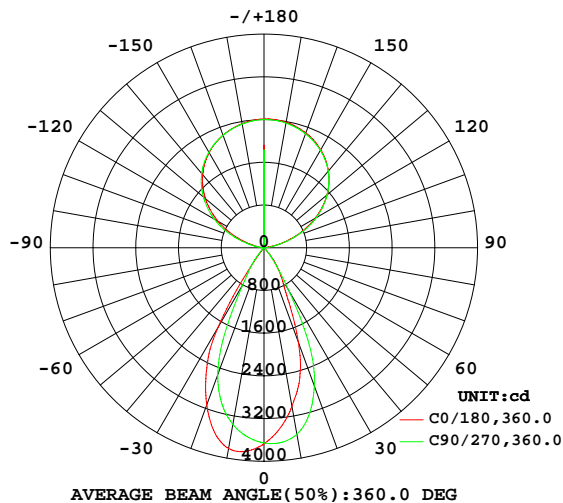


## LUMINAIRE PHOTOMETRIC TEST REPORT

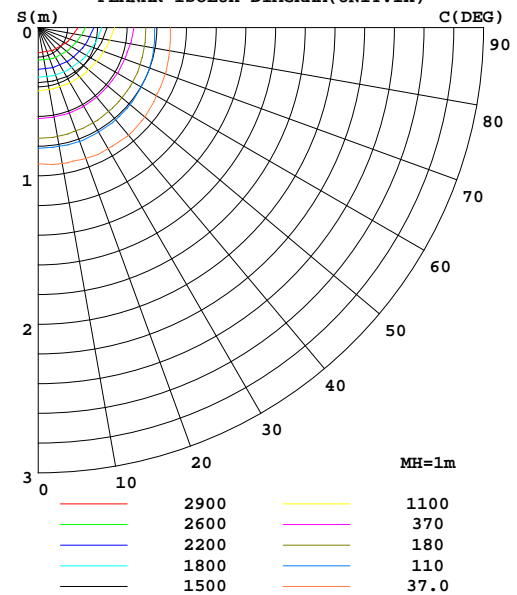
Test:U:229.90V I:0.3636A P:78.616W PF:0.9405 Freq:49.99Hz Lamp Flux:9121.35x1 lm		
NAME: LED Free Standing Luminaire	TYPE: LINA 80W	WEIGHT:
SPEC.:	DIM.: 1056*64*35	SERIAL No.:
MFR.: Cyanlite	SUR.:0.635*0.05	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 116.02 lm/W			
MODEL		Imax(cd)	3846	S/MH(C0/180)	0.63
NOMINAL POWER(W)	80	LOR(%)	100.0	S/MH(C90/270)	0.76
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	9121.4	$\eta$ UP,DN(C0-180)	37.6,12.9
NOMINAL FLUX(lm)	9121.35	CIE CLASS	SEMI-IND.	$\eta$ UP,DN(C180-360)	36.7,12.8
LAMPS INSIDE	1	$\eta$ up(%)	74.2	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	230.0	$\eta$ down(%)	25.8	CIBSE SHR MAX	0.75

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



PLANAR ISOLUX DIAGRAM(UNIT:lx)



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-3-31

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
 Humidity:65.0%  
 Test Distance:9.370m [K=1.0672]  
 Remarks:

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

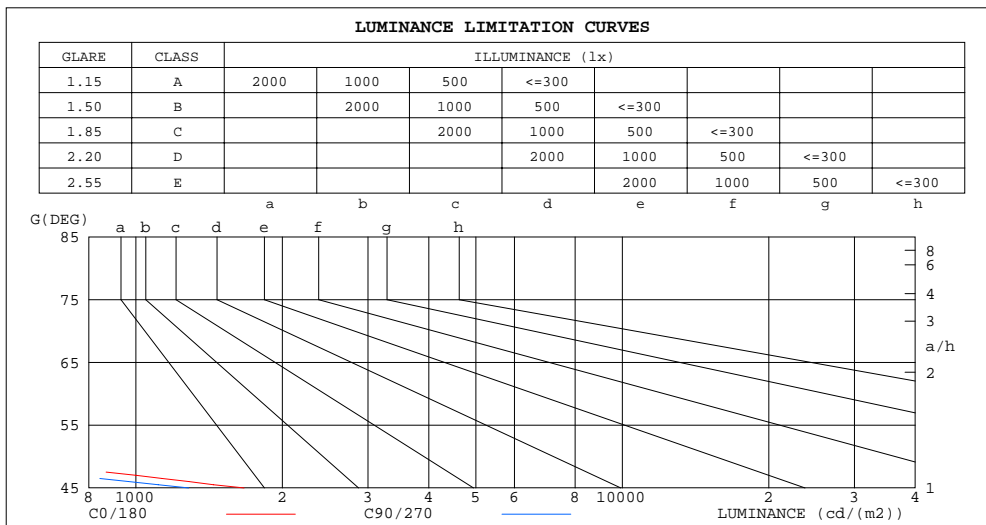
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	3018	3151	3546	3750	3817	3727	3360	3073	0- 10	338.5	338.5	3.71,3.71
20	1885	2133	2755	3038	3135	3039	2532	2034	10- 20	855.8	1194	13.1,13.1
30	674.2	676.1	950.5	1504	1724	1459	784.4	684.1	20- 30	819.8	2014	22.1,22.1
40	194.4	192.8	137.5	89.22	62.35	115.4	162.0	206.2	30- 40	293.9	2308	25.3,25.3
50	9.329	15.85	7.294	7.619	5.473	10.50	8.539	15.71	40- 50	37.78	2346	25.7,25.7
60	0.4474	1.104	0.3876	0.7057	0.2090	0.8014	0.4122	1.282	50- 60	3.243	2349	25.8,25.8
70	0.1212	0.1103	0.1076	0.1047	0.0826	0.0551	0.0661	0.0716	60- 70	0.2016	2349	25.8,25.8
80	0.1205	0.0882	0.0826	0.0881	0.0551	0.0553	0.0661	0.0716	70- 80	0.0854	2349	25.8,25.8
90	0.0937	0.0716	0.0661	0.0661	0.0661	0.0606	0.0661	0.0716	80- 90	0.0811	2349	25.8,25.8
100	84.35	159.9	172.3	127.2	66.79	109.6	152.2	145.4	90-100	34.49	2384	26.1,26.1
110	607.6	610.9	636.7	556.2	498.2	503.7	587.9	591.7	100-110	358.2	2742	30.1,30.1
120	1106	1114	1132	1053	992.6	988.4	1071	1087	110-120	814.9	3557	39,39
130	1539	1547	1545	1482	1432	1423	1481	1515	120-130	1153	4710	51.6,51.6
140	1876	1879	1872	1825	1787	1775	1815	1850	130-140	1291	6001	65.8,65.8
150	2123	2120	2111	2080	2057	2039	2066	2099	140-150	1232	7233	79.3,79.3
160	2290	2281	2273	2257	2245	2225	2243	2268	150-160	1006	8239	90.3,90.3
170	2387	2374	2372	2366	2362	2343	2354	2371	160-170	655.1	8894	97.5,97.5
180	2413	2413	2413	2413	2413	2413	2413	2413	170-180	227.5	9121	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2020-3-31

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
Humidity:65.0%  
Test Distance:9.370m [K=1.0672]  
Remarks:

### LUMINANCE LIMITATION CURVES

Test:U:229.90V I:0.3636A P:78.616W PF:0.9405 Freq:49.99Hz Lamp Flux:9121.35x1 lm		
NAME: LED Free Standing Luminaire	TYPE: LINA 80W	WEIGHT:
SPEC.:	DIM.: 1056*64*35	SERIAL No.:
MFR.: Cyanlite	SUR.:0.635*0.05	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	42	26
80	22	15
75	15	11
70	11	10
65	12	10
60	28	24
55	156	115
50	458	358
45	1669	1284

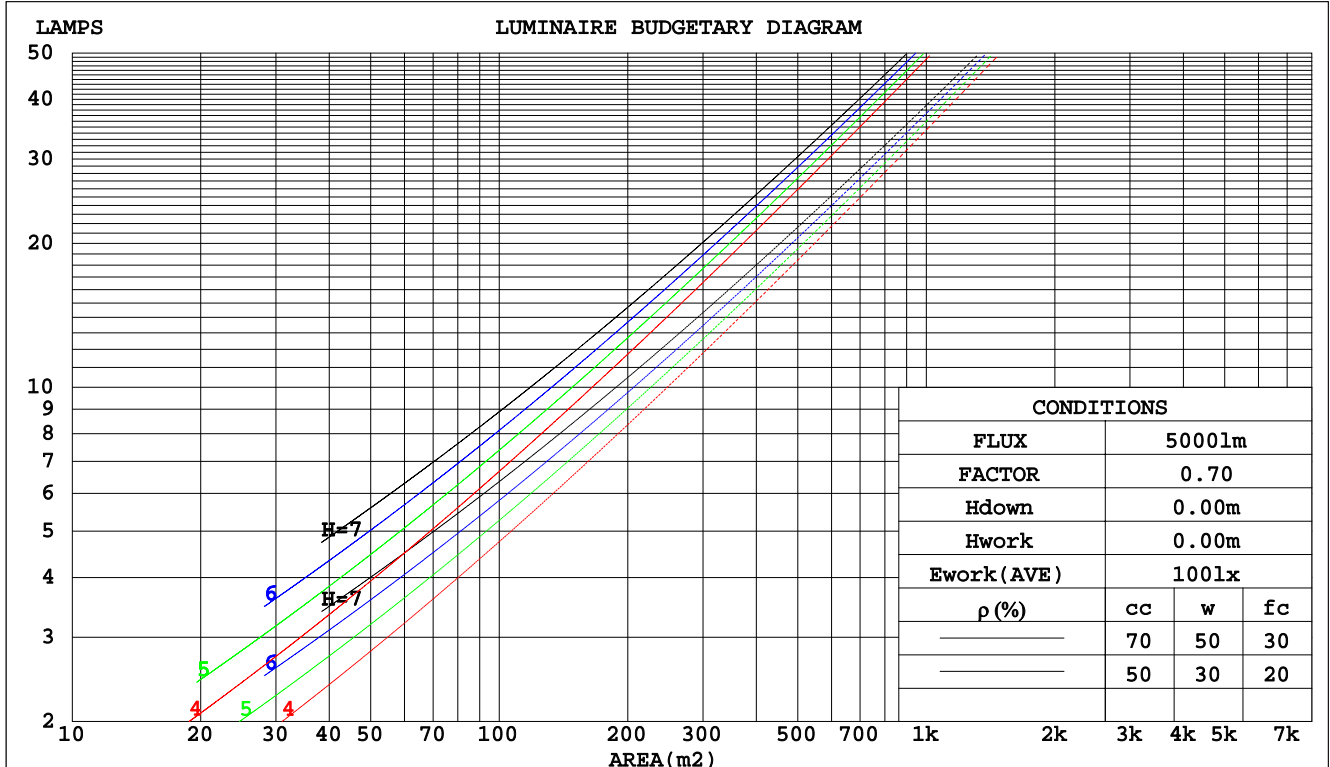
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-3-31

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
 Humidity:65.0%  
 Test Distance:9.370m [K=1.0672]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:229.90V I:0.3636A P:78.616W PF:0.9405 Freq:49.99Hz Lamp Flux:9121.35x1 lm		
NAME: LED Free Standing Luminaire	TYPE: LINA 80W	WEIGHT:
SPEC.:	DIM.: 1056*64*35	SERIAL No.:
MFR.: Cyanlite	SUR.:0.635*0.05	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.01	1.01	1.01	.90	.90	.90	.70	.70	.70	.51	.51	.51	.34	.34	.34	.26
1.0	.90	.87	.84	.81	.78	.76	.63	.61	.60	.47	.46	.45	.32	.32	.31	.24
2.0	.80	.75	.71	.72	.68	.65	.57	.54	.52	.43	.42	.40	.30	.29	.29	.23
3.0	.72	.66	.61	.65	.60	.56	.52	.49	.46	.40	.38	.36	.28	.27	.27	.22
4.0	.65	.59	.54	.59	.54	.49	.48	.44	.41	.37	.35	.33	.27	.26	.25	.21
5.0	.59	.53	.47	.54	.48	.44	.44	.40	.37	.34	.32	.30	.25	.24	.23	.19
6.0	.54	.47	.42	.49	.44	.39	.40	.36	.33	.32	.29	.27	.24	.23	.22	.18
7.0	.50	.43	.38	.45	.40	.36	.37	.33	.30	.30	.27	.25	.23	.21	.20	.18
8.0	.46	.39	.35	.42	.36	.32	.35	.31	.28	.28	.25	.23	.22	.20	.19	.17
9.0	.42	.36	.32	.39	.33	.30	.32	.28	.26	.26	.24	.22	.20	.19	.18	.16
10.0	.39	.33	.29	.36	.31	.27	.30	.26	.24	.25	.22	.20	.20	.18	.17	.15



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-3-31

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
 Humidity:65.0%  
 Test Distance:9.370m [K=1.0672]  
 Remarks:

## WEC AND CCEC

Test:U:229.90V I:0.3636A P:78.616W PF:0.9405 Freq:49.99Hz Lamp Flux:9121.35x1 lm		
NAME: LED Free Standing Luminaire	TYPE: LINA 80W	WEIGHT:
SPEC.:	DIM.: 1056*64*35	SERIAL No.:
MFR.: Cyanlite	SUR.:0.635*0.05	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.233	.132	.042	.203	.116	.037	.148	.085	.027	.098	.057	.018	.052	.030	.010		
2.0	.215	.118	.036	.188	.104	.032	.138	.077	.024	.092	.052	.016	.050	.028	.009		
3.0	.199	.106	.032	.175	.094	.028	.129	.070	.021	.087	.048	.015	.048	.026	.008		
4.0	.186	.096	.028	.163	.085	.025	.121	.064	.019	.082	.044	.013	.046	.025	.008		
5.0	.173	.088	.026	.153	.078	.023	.114	.059	.017	.078	.041	.012	.044	.023	.007		
6.0	.162	.081	.023	.143	.072	.021	.107	.055	.016	.073	.038	.011	.042	.022	.007		
7.0	.153	.075	.021	.135	.067	.019	.101	.051	.015	.070	.036	.010	.040	.021	.006		
8.0	.144	.070	.020	.127	.063	.018	.096	.048	.014	.066	.034	.010	.039	.020	.006		
9.0	.136	.066	.018	.120	.059	.016	.091	.045	.013	.063	.032	.009	.037	.019	.005		
10.0	.128	.062	.017	.114	.055	.015	.086	.042	.012	.060	.030	.009	.036	.018	.005		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.756	.756	.756	.646	.646	.646	.441	.441	.441	.253	.253	.253	.081	.081	.081	
1.0	.745	.727	.711	.638	.624	.612	.436	.429	.423	.251	.248	.246	.080	.080	.080	
2.0	.736	.706	.681	.631	.608	.589	.432	.421	.411	.249	.245	.241	.080	.079	.078	
3.0	.728	.691	.662	.624	.596	.574	.429	.414	.402	.248	.242	.237	.080	.079	.078	
4.0	.721	.679	.648	.619	.587	.563	.425	.409	.396	.246	.240	.234	.079	.078	.077	
5.0	.714	.670	.637	.614	.580	.555	.423	.405	.392	.245	.238	.232	.079	.078	.077	
6.0	.708	.663	.630	.609	.574	.549	.420	.402	.388	.244	.236	.231	.079	.077	.076	
7.0	.703	.657	.624	.605	.569	.544	.418	.399	.386	.243	.235	.230	.078	.077	.076	
8.0	.698	.652	.620	.601	.565	.541	.416	.397	.384	.242	.234	.229	.078	.077	.076	
9.0	.693	.648	.617	.597	.562	.538	.414	.395	.382	.241	.233	.228	.078	.077	.075	
10.0	.689	.644	.614	.594	.559	.536	.412	.393	.381	.240	.233	.227	.078	.076	.075	

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2020-3-31

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
Humidity:65.0%  
Test Distance:9.370m [K=1.0672]  
Remarks:

## UGR(Unified Glare Rating) Table

Test:U:229.90V I:0.3636A P:78.616W PF:0.9405 Freq:49.99Hz Lamp Flux:9121.35x1 lm										
NAME: LED Free Standing Luminaire					TYPE: LINA 80W			WEIGHT:		
SPEC.:					DIM.: 1056*64*35			SERIAL No.:		
MFR.: Cyanlite					SUR.:0.635*0.05			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	4.7	5.4	5.8	6.4	7.8	4.6	5.2	5.6	6.3	7.7
3H	4.3	4.9	5.4	6.0	7.4	4.2	4.8	5.3	5.8	7.3
4H	4.1	4.7	5.3	5.8	7.2	4.0	4.6	5.1	5.6	7.1
6H	4.0	4.4	5.1	5.5	7.0	3.8	4.3	4.9	5.4	6.9
8H	3.9	4.3	5.0	5.4	6.9	3.7	4.2	4.8	5.3	6.8
12H	3.8	4.2	4.9	5.3	6.8	3.6	4.1	4.8	5.2	6.7
4H 2H	4.1	4.7	5.3	5.8	7.2	4.0	4.6	5.1	5.6	7.1
3H	3.8	4.2	4.9	5.3	6.8	3.6	4.1	4.8	5.2	6.7
4H	3.5	3.9	4.7	5.1	6.6	3.4	3.8	4.6	4.9	6.5
6H	3.3	3.7	4.5	4.8	6.4	3.2	3.6	4.4	4.7	6.2
8H	3.2	3.5	4.4	4.7	6.3	3.1	3.4	4.3	4.6	6.1
12H	3.1	3.4	4.3	4.6	6.1	3.0	3.3	4.2	4.4	6.0
8H 4H	3.2	3.5	4.4	4.7	6.3	3.1	3.4	4.3	4.6	6.1
6H	3.0	3.3	4.2	4.4	6.0	2.9	3.1	4.1	4.3	5.9
8H	2.9	3.1	4.1	4.3	5.9	2.8	3.0	4.0	4.2	5.8
12H	2.8	3.0	4.0	4.1	5.8	2.7	2.8	3.8	4.0	5.6
12H 4H	3.1	3.4	4.3	4.6	6.1	3.0	3.3	4.2	4.4	6.0
6H	2.9	3.1	4.1	4.3	5.9	2.8	3.0	4.0	4.2	5.8
8H	2.8	3.0	4.0	4.1	5.8	2.7	2.8	3.8	4.0	5.6
Variations with the observer position at spacings:										
S = 1.0H	+ 3.6 / -25.2					+ 3.4 / -25.8				
1.5H	+ 6.3 / -18.5					+ 6.1 / -19.0				
2.0H	+ 7.2 / -19.8					+ 7.4 / -17.9				

CIE Pub.117, 9121 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 7.7$ )

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2020-3-31

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
Humidity:65.0%  
Test Distance:9.370m [K=1.0672]  
Remarks:

### UTILIZATION FACTORS TABLE

Test:U:229.90V I:0.3636A P:78.616W PF:0.9405 Freq:49.99Hz Lamp Flux:9121.35x1 lm		
NAME: LED Free Standing Luminaire	TYPE: LINA 80W	WEIGHT:
SPEC.:	DIM.: 1056*64*35	SERIAL No.:
MFR.: Cyanlite	SUR.:0.635*0.05	Shielding Angle:

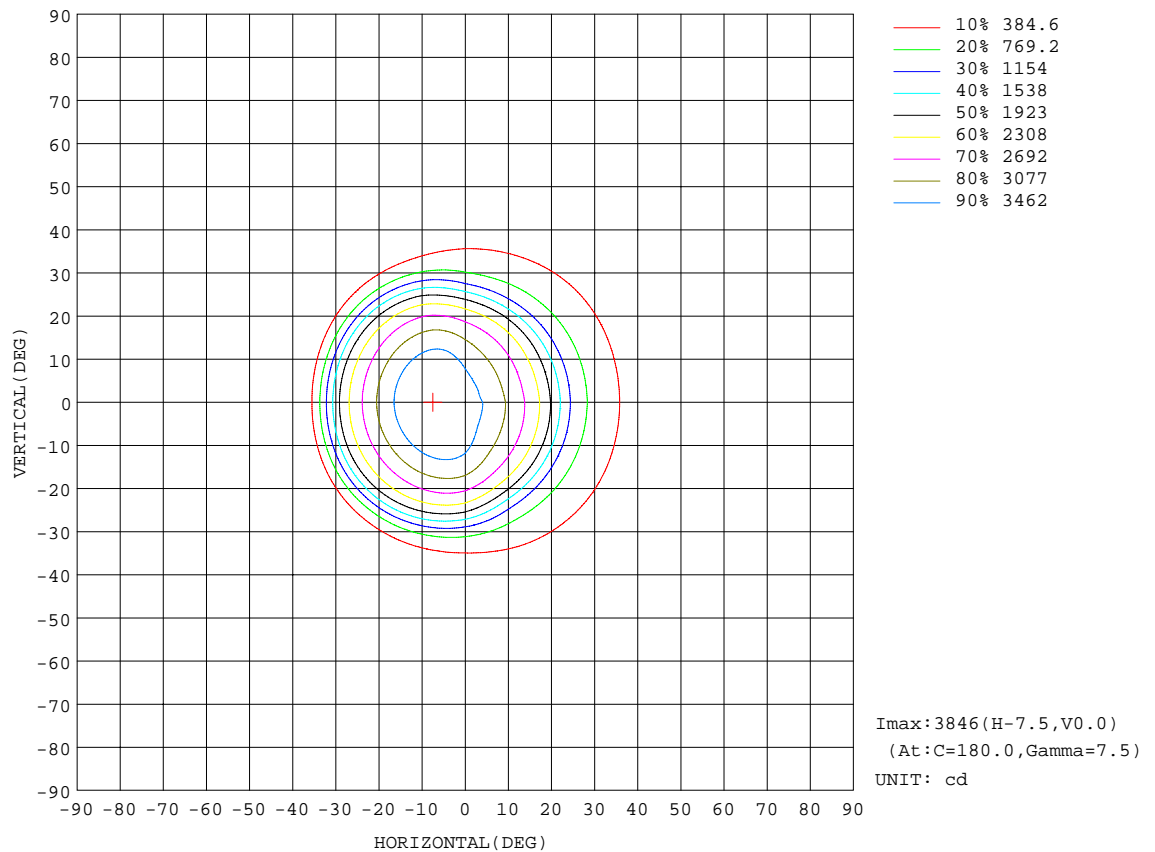
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	46	37	32	43	35	30	37	31	28	20
0.80	54	45	39	50	42	37	42	36	33	22
1.00	61	51	44	55	47	42	46	40	36	23
1.25	67	57	51	61	53	47	49	44	40	24
1.50	71	62	56	64	57	51	52	47	43	24
2.00	77	69	63	70	63	58	56	51	48	25
2.50	81	74	68	73	67	62	58	54	51	25
3.00	84	77	72	76	70	66	60	56	53	25
4.00	88	83	78	79	75	71	62	59	57	25
5.00	91	86	82	81	77	74	64	61	59	26
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNOM = 1.25										

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2020-3-31

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
Humidity:65.0%  
Test Distance:9.370m [K=1.0672]  
Remarks:

### ISOCANDELA DIAGRAM

Test:U:229.90V I:0.3636A P:78.616W PF:0.9405 Freq:49.99Hz Lamp Flux:9121.35x1 lm		
NAME: LED Free Standing Luminaire	TYPE: LINA 80W	WEIGHT:
SPEC.:	DIM.: 1056*64*35	SERIAL No.:
MFR.: Cyanlite	SUR.:0.635*0.05	Shielding Angle:



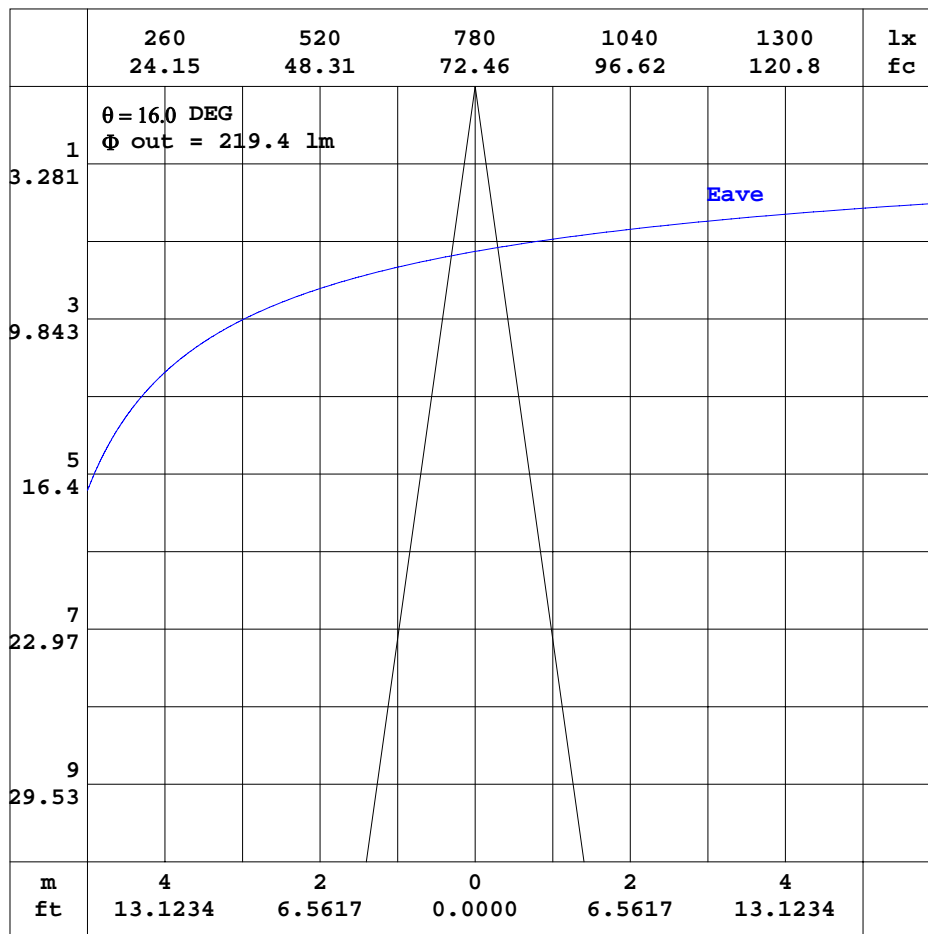
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2020-3-31

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
Humidity:65.0%  
Test Distance:9.370m [K=1.0672]  
Remarks:



### AAI CURVES

Test:U:229.90V I:0.3636A P:78.616W PF:0.9405 Freq:49.99Hz Lamp Flux:9121.35x1 lm		
NAME: LED Free Standing Luminaire	TYPE: LINA 80W	WEIGHT:
SPEC.:	DIM.: 1056*64*35	SERIAL No.:
MFR.: Cyanlite	SUR.:0.635*0.05	Shielding Angle:



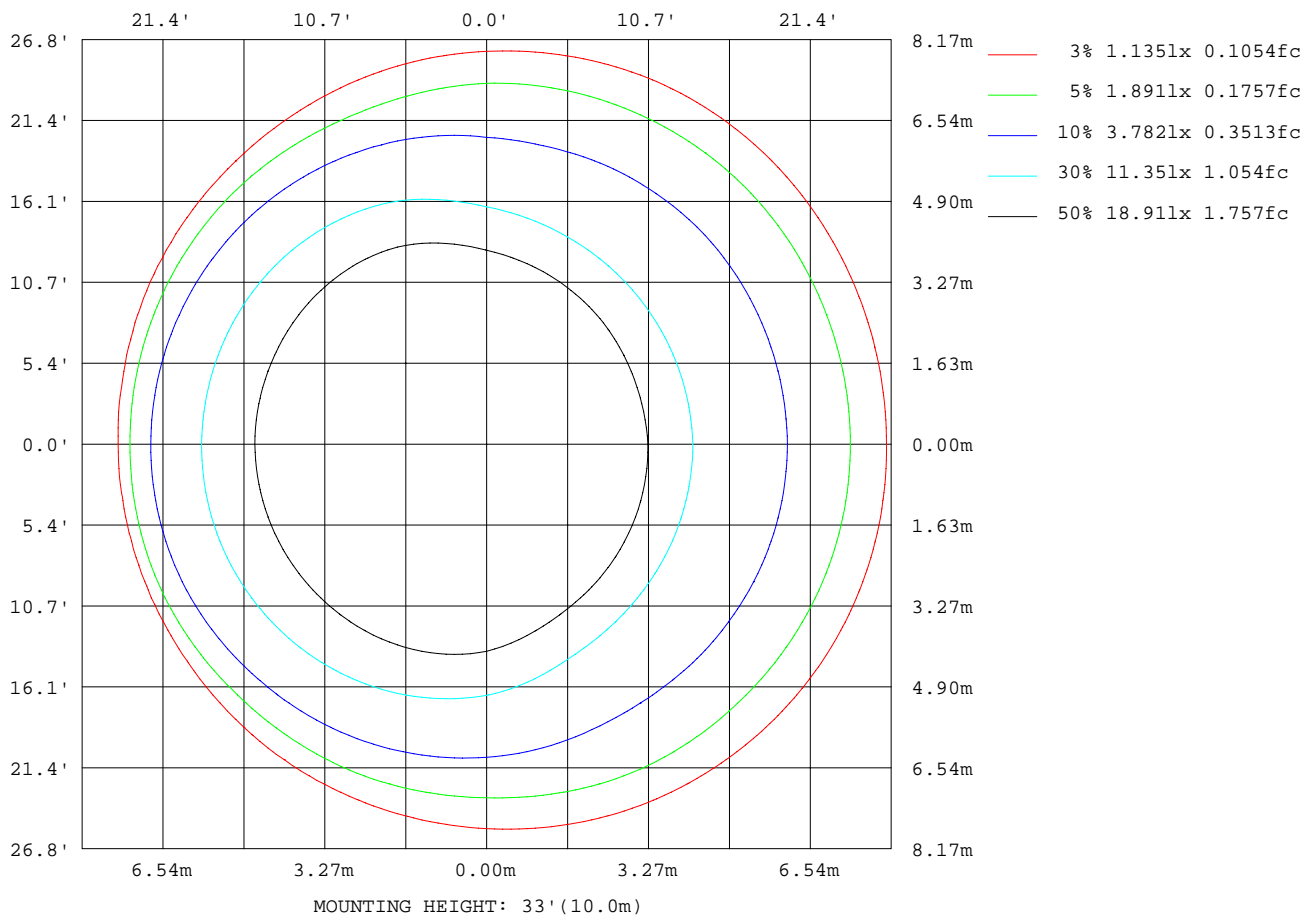
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2020-3-31

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
 Humidity: 65.0%  
 Test Distance: 9.370m [K=1.0672]  
 Remarks:

ISOLUX DIAGRAM

Test:U:229.90V I:0.3636A P:78.616W PF:0.9405 Freq:49.99Hz Lamp Flux:9121.35x1 lm		
NAME: LED Free Standing Luminaire	TYPE: LINA 80W	WEIGHT:
SPEC.:	DIM.: 1056*64*35	SERIAL No.:
MFR.: Cyanlite	SUR.:0.635*0.05	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-3-31

γ Range: 0 - 180DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
 Humidity:65.0%  
 Test Distance:9.370m [K=1.0672]  
 Remarks:

### LED Avg.L Report

Test:U:229.90V I:0.3636A P:78.616W PF:0.9405 Freq:49.99Hz Lamp Flux:9121.35x1 lm		
NAME: LED Free Standing Luminaire	TYPE: LINA 80W	WEIGHT:
SPEC.:	DIM.: 1056*64*35	SERIAL No.:
MFR.: Cyanlite	SUR.:0.635*0.05	Shielding Angle:

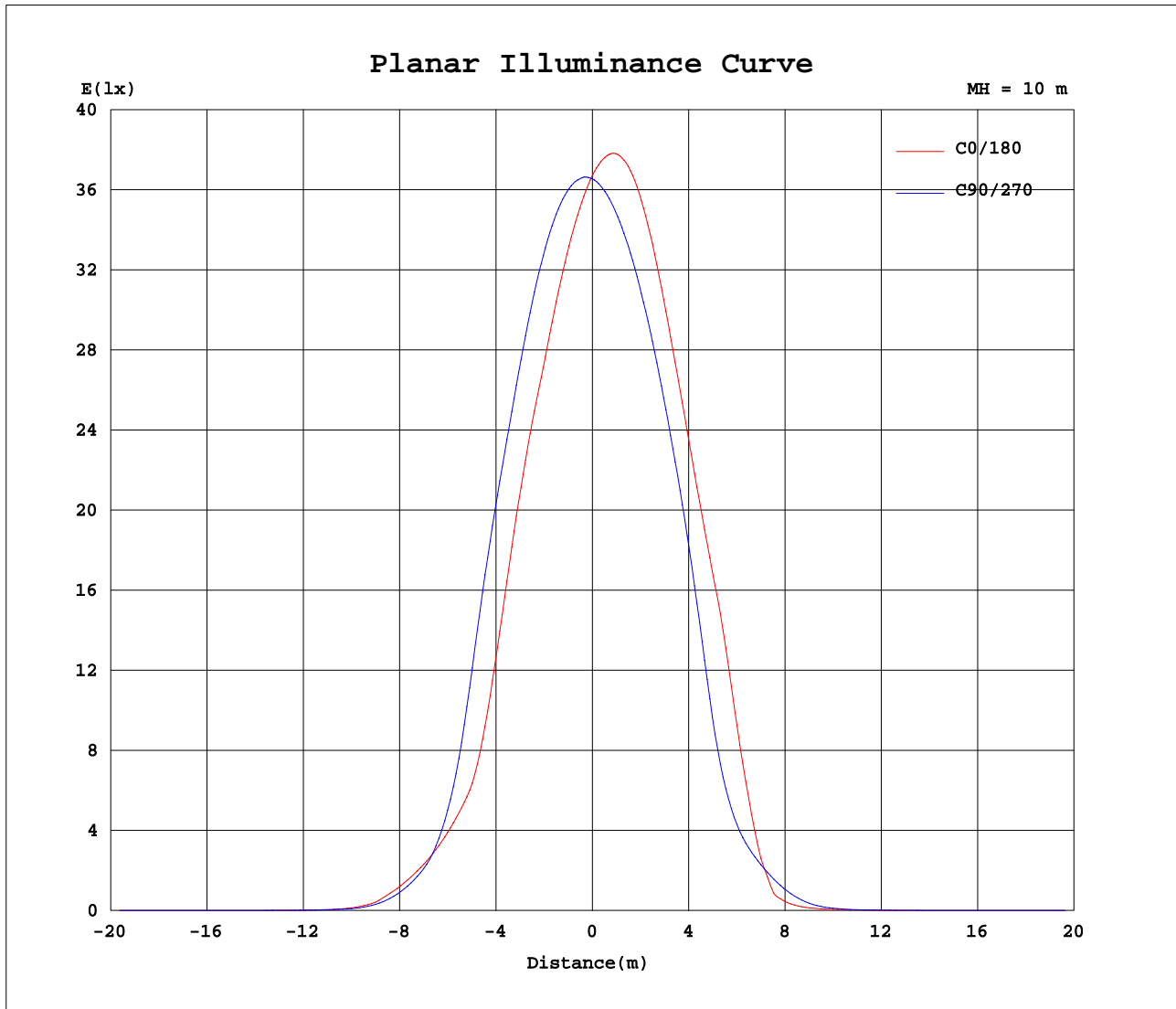
AvgL	cd/m2
L_0~180(65)av	9
L_0~180(75)av	11
L_0~180(85)av	33
L_90~270(65)av	8
L_90~270(75)av	9
L_90~270(85)av	25
L_45(65)av	12
L_45(75)av	10
L_45(85)av	25

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2020-3-31

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
Humidity:65.0%  
Test Distance:9.370m [K=1.0672]  
Remarks:

### Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: MEDIUM  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2020-3-31

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
 Humidity: 65.0%  
 Test Distance: 9.370m [K=1.0672]  
 Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.90V I:0.3636A P:78.616W PF:0.9405 Freq:49.99Hz Lamp Flux:9121.35x1 lm		
NAME: LED Free Standing Luminaire	TYPE: LINA 80W	WEIGHT:
SPEC.:	DIM.: 1056*64*35	SERIAL No.:
MFR.: Cyanlite	SUR.:0.635*0.05	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	3671	3670	3670	3669	3668	3666	3665	3663	3661	3660	3659	3659	3658	3658	3658	3657	3656	3656	3655
5	3401	3404	3407	3411	3417	3423	3431	3439	3449	3461	3474	3490	3507	3526	3550	3579	3607	3636	3662
10	3018	3022	3029	3038	3050	3065	3082	3102	3125	3151	3178	3209	3244	3282	3329	3384	3440	3495	3546
15	2572	2578	2587	2600	2616	2635	2657	2683	2712	2745	2781	2821	2865	2914	2975	3045	3116	3186	3251
20	1885	1892	1905	1923	1945	1973	2006	2044	2086	2133	2182	2236	2294	2358	2432	2515	2599	2680	2755
25	1063	1064	1068	1076	1087	1100	1116	1136	1162	1195	1235	1283	1343	1415	1513	1636	1765	1892	2013
30	674	673	673	672	672	672	671	671	673	676	679	686	698	716	746	788	837	892	951
35	421	421	421	420	419	417	416	414	412	410	409	409	408	406	403	397	391	386	382
40	194	197	199	200	201	201	200	198	196	193	187	181	175	168	161	155	149	143	138
45	37.4	40.9	44.1	47.1	50.0	53.2	56.6	59.3	60.9	61.1	56.3	50.5	44.0	37.7	33.2	31.0	29.6	28.9	28.8
50	9.33	10.0	10.8	11.5	12.2	13.1	14.2	15.0	15.6	15.8	14.6	13.0	11.2	9.51	8.29	7.66	7.30	7.18	7.29
55	2.83	3.11	3.35	3.58	3.77	3.97	4.15	4.29	4.35	4.33	4.01	3.63	3.21	2.80	2.48	2.29	2.16	2.09	2.09
60	0.45	0.58	0.69	0.79	0.88	0.96	1.03	1.08	1.11	1.10	1.02	0.90	0.78	0.65	0.55	0.48	0.43	0.40	0.39
65	0.16	0.13	0.11	0.10	0.10	0.12	0.15	0.19	0.22	0.24	0.21	0.17	0.14	0.10	0.08	0.09	0.11	0.12	0.14
70	0.12	0.10	0.08	0.07	0.06	0.06	0.08	0.09	0.10	0.11	0.10	0.09	0.08	0.07	0.07	0.08	0.09	0.10	0.11
75	0.12	0.10	0.08	0.07	0.06	0.06	0.07	0.08	0.10	0.10	0.10	0.09	0.08	0.07	0.07	0.07	0.08	0.08	0.09
80	0.12	0.10	0.08	0.07	0.06	0.06	0.07	0.07	0.08	0.09	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.08	0.08
85	0.12	0.10	0.08	0.07	0.06	0.06	0.07	0.07	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07
90	0.09	0.08	0.07	0.07	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
95	2.43	2.31	2.26	2.29	2.40	2.15	1.67	1.66	2.36	4.03	9.22	15.2	21.4	27.6	32.4	35.7	38.2	39.6	40.1
100	84.4	78.8	76.7	78.2	83.1	93.8	110	127	144	160	167	172	175	177	178	178	177	175	172
105	358	359	361	363	365	366	367	369	370	373	377	382	387	391	393	394	392	389	384
110	608	609	610	611	612	612	610	610	610	611	617	625	632	638	643	645	644	642	637
115	860	860	860	861	861	861	861	862	864	866	873	880	888	895	900	902	903	901	897
120	1106	1105	1105	1105	1106	1106	1107	1109	1111	1114	1120	1127	1133	1138	1141	1142	1140	1137	1132
125	1335	1333	1332	1331	1331	1332	1334	1336	1339	1342	1348	1353	1357	1361	1362	1360	1357	1352	1347
130	1539	1537	1535	1534	1533	1535	1537	1540	1543	1547	1550	1554	1557	1558	1558	1556	1553	1549	1545
135	1720	1716	1714	1712	1712	1713	1716	1719	1722	1725	1728	1730	1731	1732	1731	1729	1727	1724	1720
140	1876	1873	1870	1868	1868	1868	1871	1873	1876	1879	1880	1881	1882	1882	1881	1880	1878	1875	1872
145	2011	2007	2004	2002	2001	2001	2003	2005	2008	2010	2010	2010	2010	2009	2009	2007	2006	2004	2002
150	2123	2119	2116	2114	2113	2113	2114	2116	2118	2120	2120	2119	2118	2117	2116	2115	2114	2112	2111
155	2217	2212	2209	2206	2204	2204	2205	2206	2208	2209	2209	2208	2207	2206	2205	2204	2203	2202	2201
160	2290	2285	2281	2279	2277	2276	2277	2278	2279	2281	2280	2279	2278	2277	2276	2275	2274	2274	2273
165	2347	2342	2338	2334	2332	2331	2332	2333	2334	2335	2335	2334	2333	2333	2332	2332	2331	2331	2330
170	2387	2382	2377	2374	2371	2370	2371	2372	2373	2374	2374	2374	2374	2373	2373	2373	2373	2372	2372
175	2410	2404	2399	2395	2392	2391	2391	2392	2393	2394	2394	2394	2394	2394	2395	2395	2395	2396	2396
180	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2020-3-31

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
Humidity:65.0%  
Test Distance:9.370m [K=1.0672]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.90V I:0.3636A P:78.616W PF:0.9405 Freq:49.99Hz Lamp Flux:9121.35x1 lm		
NAME: LED Free Standing Luminaire	TYPE: LINA 80W	WEIGHT:
SPEC.:	DIM.: 1056*64*35	SERIAL No.:
MFR.: Cyanlite	SUR.:0.635*0.05	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	3653	3651	3650	3648	3648	3648	3649	3649	3650	3648	3646	3645	3644	3647	3653	3659	3666	3671	3672
5	3680	3696	3710	3722	3733	3745	3756	3765	3774	3779	3784	3788	3792	3799	3807	3815	3821	3826	3825
10	3582	3612	3639	3662	3683	3703	3721	3736	3750	3760	3768	3775	3781	3789	3798	3807	3813	3817	3815
15	3297	3337	3371	3400	3425	3447	3466	3482	3496	3509	3521	3531	3540	3550	3560	3568	3574	3578	3576
20	2809	2854	2893	2926	2955	2980	3002	3021	3038	3055	3070	3084	3096	3107	3117	3126	3132	3135	3133
25	2098	2171	2234	2287	2331	2368	2399	2424	2446	2467	2486	2502	2515	2527	2538	2547	2552	2555	2553
30	1011	1075	1139	1204	1268	1331	1392	1450	1504	1553	1597	1636	1669	1694	1711	1722	1726	1724	1716
35	382	383	386	390	393	396	401	406	413	426	440	453	466	473	476	476	476	474	475
40	133	130	126	121	116	110	103	96.1	89.2	82.3	75.8	69.9	64.9	61.8	60.5	60.2	60.9	62.4	63.4
45	29.6	30.6	31.6	32.3	31.6	29.5	27.1	24.5	21.9	20.3	19.0	17.9	17.1	16.5	16.2	16.1	16.3	16.6	16.7
50	7.93	8.67	9.41	10.0	10.1	9.70	9.09	8.37	7.62	7.07	6.56	6.11	5.73	5.48	5.35	5.31	5.35	5.47	5.61
55	2.27	2.48	2.70	2.90	2.98	2.93	2.83	2.69	2.52	2.33	2.14	1.95	1.78	1.66	1.60	1.58	1.58	1.62	1.69
60	0.44	0.51	0.59	0.67	0.72	0.75	0.75	0.74	0.71	0.61	0.51	0.40	0.29	0.22	0.19	0.18	0.19	0.21	0.26
65	0.13	0.12	0.11	0.10	0.10	0.12	0.13	0.14	0.15	0.14	0.12	0.11	0.09	0.08	0.08	0.08	0.08	0.09	0.10
70	0.09	0.08	0.06	0.05	0.05	0.06	0.08	0.09	0.10	0.10	0.09	0.07	0.06	0.06	0.06	0.07	0.07	0.08	0.09
75	0.08	0.07	0.06	0.05	0.05	0.06	0.07	0.08	0.09	0.08	0.08	0.07	0.06	0.05	0.05	0.05	0.06	0.06	0.07
80	0.07	0.06	0.05	0.05	0.05	0.06	0.07	0.08	0.09	0.08	0.08	0.07	0.06	0.05	0.05	0.05	0.05	0.06	0.06
85	0.07	0.06	0.05	0.05	0.05	0.05	0.06	0.06	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07
90	0.06	0.06	0.05	0.05	0.05	0.05	0.06	0.06	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07
95	38.9	36.8	34.0	30.5	26.3	21.6	16.9	12.4	8.40	6.28	4.78	3.81	3.24	2.87	2.63	2.57	2.63	2.78	2.65
100	166	159	151	143	138	136	133	130	127	121	113	106	97.7	89.6	81.6	74.8	69.7	66.8	71.0
105	375	366	355	345	337	332	328	323	318	310	301	292	284	278	275	273	272	271	271
110	625	612	598	585	575	570	565	561	556	546	535	524	514	507	503	500	499	498	498
115	885	872	858	844	834	827	821	815	809	797	785	773	762	755	751	749	748	747	746
120	1124	1114	1104	1093	1084	1076	1069	1061	1053	1041	1029	1018	1008	1001	997	995	994	993	990
125	1341	1335	1328	1320	1312	1304	1296	1287	1278	1267	1256	1246	1237	1231	1227	1225	1223	1222	1218
130	1540	1535	1529	1523	1516	1508	1500	1491	1482	1472	1463	1454	1446	1441	1437	1435	1433	1432	1427
135	1716	1711	1706	1701	1694	1688	1680	1673	1665	1657	1648	1641	1634	1629	1626	1624	1622	1620	1615
140	1868	1864	1859	1854	1849	1843	1837	1831	1825	1818	1812	1805	1799	1795	1793	1791	1789	1787	1782
145	1998	1994	1990	1986	1981	1977	1972	1968	1963	1958	1953	1948	1943	1940	1938	1937	1935	1933	1928
150	2108	2104	2101	2097	2094	2090	2087	2084	2080	2076	2072	2069	2065	2063	2062	2061	2059	2057	2052
155	2199	2196	2193	2191	2188	2185	2183	2180	2178	2175	2172	2170	2167	2166	2165	2164	2163	2161	2156
160	2271	2270	2268	2266	2264	2262	2261	2259	2257	2255	2253	2251	2249	2248	2248	2247	2247	2245	2240
165	2329	2328	2326	2325	2324	2323	2322	2321	2320	2318	2317	2315	2314	2313	2313	2313	2312	2311	2306
170	2371	2371	2370	2369	2368	2368	2367	2367	2366	2365	2364	2363	2362	2362	2363	2363	2363	2362	2357
175	2396	2396	2396	2396	2396	2396	2395	2395	2395	2395	2395	2395	2395	2396	2397	2397	2397	2397	2392
180	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2020-3-31

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
Humidity:65.0%  
Test Distance:9.370m [K=1.0672]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.90V I:0.3636A P:78.616W PF:0.9405 Freq:49.99Hz Lamp Flux:9121.35x1 lm		
NAME: LED Free Standing Luminaire	TYPE: LINA 80W	WEIGHT:
SPEC.:	DIM.: 1056*64*35	SERIAL No.:
MFR.: Cyanlite	SUR.:0.635*0.05	Shielding Angle:

Table--3

UNIT: cd

C(DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	3671	3670	3668	3666	3665	3663	3661	3660	3659	3659	3658	3658	3658	3657	3656	3656	3655	3653	3651
5	3821	3816	3809	3800	3791	3781	3769	3756	3744	3730	3714	3695	3672	3643	3614	3584	3555	3532	3511
10	3810	3803	3794	3784	3773	3760	3745	3727	3707	3683	3655	3622	3578	3526	3470	3414	3360	3316	3277
15	3571	3564	3554	3544	3534	3521	3505	3486	3464	3437	3404	3364	3311	3245	3176	3105	3035	2979	2927
20	3128	3121	3111	3101	3090	3077	3060	3039	3016	2987	2952	2908	2849	2774	2695	2613	2532	2465	2401
25	2548	2540	2529	2517	2504	2488	2466	2438	2405	2363	2311	2247	2157	2043	1922	1799	1679	1583	1495
30	1702	1682	1657	1628	1595	1556	1511	1459	1395	1325	1251	1174	1091	1006	924	849	784	750	726
35	475	475	473	467	458	448	437	427	417	409	402	397	397	400	406	411	417	419	421
40	65.2	68.0	71.9	78.3	87.0	96.3	106	115	123	129	135	141	145	149	153	157	162	170	179
45	17.1	17.8	19.0	21.2	24.4	27.8	31.1	34.0	35.2	35.9	36.1	36.0	35.1	33.8	32.8	32.4	32.9	37.4	42.6
50	5.83	6.14	6.55	7.21	8.09	8.98	9.81	10.5	10.7	10.6	10.5	10.2	9.83	9.31	8.87	8.58	8.54	9.43	10.5
55	1.80	1.92	2.07	2.28	2.52	2.76	2.97	3.16	3.22	3.23	3.20	3.13	3.00	2.81	2.65	2.53	2.49	2.77	3.11
60	0.31	0.38	0.46	0.54	0.62	0.69	0.75	0.80	0.80	0.78	0.75	0.70	0.64	0.55	0.48	0.43	0.41	0.52	0.66
65	0.11	0.12	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.13	0.13	0.14	0.13	0.11	0.09	0.08	0.07	0.10	0.13
70	0.09	0.10	0.10	0.09	0.08	0.07	0.06	0.06	0.07	0.08	0.09	0.11	0.11	0.10	0.09	0.08	0.07	0.07	0.08
75	0.08	0.09	0.09	0.09	0.08	0.07	0.06	0.06	0.06	0.07	0.08	0.09	0.09	0.09	0.08	0.07	0.07	0.07	0.08
80	0.07	0.08	0.09	0.09	0.08	0.07	0.06	0.06	0.06	0.07	0.07	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.08
85	0.07	0.08	0.08	0.08	0.07	0.07	0.06	0.06	0.06	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07
90	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
95	2.60	2.68	2.94	3.39	4.08	5.13	6.62	8.60	12.2	16.1	20.1	23.9	26.9	29.0	30.5	31.7	32.4	33.5	34.1
100	77.2	84.6	92.5	98.0	101	104	107	110	115	121	127	133	138	143	147	150	152	153	153
105	272	273	274	275	275	276	278	282	292	303	315	327	335	341	345	348	350	351	351
110	499	501	502	502	500	500	501	504	516	529	544	558	569	576	581	585	588	590	591
115	745	745	745	744	742	742	743	747	759	773	788	803	815	824	831	836	841	843	844
120	988	986	984	983	982	982	984	988	1000	1013	1027	1041	1051	1058	1063	1067	1071	1075	1080
125	1215	1212	1209	1208	1207	1208	1211	1215	1226	1237	1249	1261	1270	1275	1279	1282	1286	1292	1298
130	1423	1419	1415	1414	1414	1416	1419	1423	1432	1441	1451	1461	1468	1472	1475	1478	1481	1488	1495
135	1610	1605	1602	1600	1601	1603	1606	1610	1617	1624	1632	1639	1644	1648	1652	1655	1658	1665	1671
140	1777	1772	1768	1766	1767	1768	1771	1775	1779	1785	1790	1796	1801	1804	1808	1811	1815	1820	1826
145	1923	1917	1913	1911	1911	1912	1914	1917	1921	1925	1929	1933	1937	1940	1943	1947	1950	1955	1960
150	2047	2042	2037	2035	2035	2035	2037	2039	2042	2045	2048	2051	2054	2057	2060	2063	2066	2070	2074
155	2151	2145	2140	2138	2138	2138	2140	2142	2144	2146	2148	2151	2153	2156	2158	2161	2163	2167	2170
160	2234	2229	2224	2222	2221	2222	2224	2225	2227	2229	2231	2233	2235	2237	2238	2240	2243	2246	2249
165	2301	2295	2291	2288	2288	2289	2290	2292	2293	2295	2296	2297	2299	2300	2302	2304	2306	2308	2311
170	2352	2347	2342	2339	2339	2340	2342	2343	2344	2345	2345	2346	2348	2349	2351	2352	2354	2356	2358
175	2387	2382	2377	2375	2374	2375	2376	2378	2378	2379	2379	2380	2381	2382	2383	2384	2386	2387	2389
180	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2020-3-31

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
Humidity:65.0%  
Test Distance:9.370m [K=1.0672]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.90V I:0.3636A P:78.616W PF:0.9405 Freq:49.99Hz Lamp Flux:9121.35x1 lm		
NAME: LED Free Standing Luminaire	TYPE: LINA 80W	WEIGHT:
SPEC.:	DIM.: 1056*64*35	SERIAL No.:
MFR.: Cyanlite	SUR.:0.635*0.05	Shielding Angle:

Table--4

UNIT: cd

C(DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	3650	3648	3648	3648	3649	3649	3650	3648	3646	3645	3644	3646	3650	3655	3662				
5	3492	3475	3460	3446	3433	3422	3412	3402	3393	3385	3380	3378	3379	3384	3391				
10	3240	3206	3175	3146	3119	3095	3073	3052	3033	3018	3006	2999	2998	3000	3007				
15	2879	2834	2792	2754	2718	2686	2657	2629	2605	2584	2569	2559	2554	2555	2561				
20	2340	2283	2228	2174	2124	2078	2034	1992	1955	1923	1897	1879	1869	1867	1872				
25	1416	1346	1287	1239	1199	1166	1139	1115	1096	1081	1070	1063	1058	1056	1058				
30	711	703	697	691	687	685	684	681	678	675	673	672	671	672	673				
35	422	422	423	424	425	426	426	425	424	422	421	420	420	420	420				
40	188	195	201	204	206	207	206	205	203	200	198	196	195	194	194				
45	48.3	53.9	58.5	61.8	64.0	65.1	64.8	60.8	55.7	50.2	44.8	40.8	38.7	37.4	37.0				
50	11.8	13.0	14.1	14.9	15.5	15.8	15.7	14.6	13.2	11.8	10.4	9.39	8.96	8.81	8.93				
55	3.50	3.89	4.24	4.52	4.72	4.83	4.84	4.50	4.08	3.63	3.19	2.89	2.75	2.69	2.72				
60	0.82	0.98	1.11	1.20	1.27	1.30	1.28	1.14	0.96	0.77	0.59	0.47	0.41	0.39	0.40				
65	0.16	0.19	0.20	0.19	0.18	0.17	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.16				
70	0.09	0.10	0.10	0.09	0.08	0.08	0.07	0.08	0.10	0.11	0.13	0.13	0.14	0.13	0.13				
75	0.09	0.10	0.10	0.09	0.08	0.08	0.07	0.08	0.09	0.11	0.12	0.13	0.13	0.13	0.13				
80	0.08	0.09	0.09	0.08	0.08	0.07	0.07	0.08	0.10	0.11	0.13	0.14	0.14	0.14	0.13				
85	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.09	0.10	0.12	0.13	0.14	0.14	0.14	0.13				
90	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.09	0.10	0.11	0.11	0.11	0.11	0.10				
95	33.9	32.8	29.4	23.9	17.9	12.0	6.58	4.47	3.23	2.65	2.55	2.41	2.13	2.05	2.15				
100	152	152	151	152	152	150	145	133	119	104	90.8	81.9	78.1	77.2	79.3				
105	350	350	350	351	352	353	354	356	357	359	360	360	360	360	359				
110	591	591	591	591	591	591	592	594	597	600	603	605	606	607	608				
115	844	844	843	843	843	843	843	844	846	847	849	851	853	855	858				
120	1083	1086	1087	1088	1087	1087	1087	1088	1089	1091	1093	1095	1098	1100	1103				
125	1304	1309	1312	1313	1313	1313	1313	1314	1316	1318	1320	1322	1325	1328	1331				
130	1501	1507	1511	1513	1514	1515	1515	1517	1519	1521	1524	1526	1529	1532	1536				
135	1677	1683	1687	1690	1692	1693	1695	1697	1699	1701	1704	1707	1710	1713	1716				
140	1831	1837	1841	1843	1846	1848	1850	1853	1856	1859	1862	1865	1868	1870	1873				
145	1964	1969	1973	1976	1979	1982	1985	1988	1991	1994	1997	2000	2003	2006	2008				
150	2079	2083	2087	2090	2093	2096	2099	2102	2105	2108	2111	2114	2117	2119	2121				
155	2174	2178	2181	2184	2187	2190	2193	2196	2199	2203	2206	2209	2211	2213	2215				
160	2252	2255	2258	2261	2263	2266	2268	2272	2275	2277	2280	2283	2285	2287	2289				
165	2313	2316	2319	2321	2323	2325	2328	2330	2333	2336	2338	2340	2342	2344	2345				
170	2360	2362	2363	2365	2367	2369	2371	2373	2375	2377	2379	2381	2383	2384	2386				
175	2390	2392	2393	2394	2395	2396	2398	2399	2401	2403	2404	2406	2407	2408	2409				
180	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413	2413				

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: MEDIUM  
Temperature:25.3DEG  
Operators:  
Test Date:2020-3-31

γ Range: 0 - 180DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000\_V1 SYSTEM V2.0.406.10  
Humidity:65.0%  
Test Distance:9.370m [K=1.0672]  
Remarks: