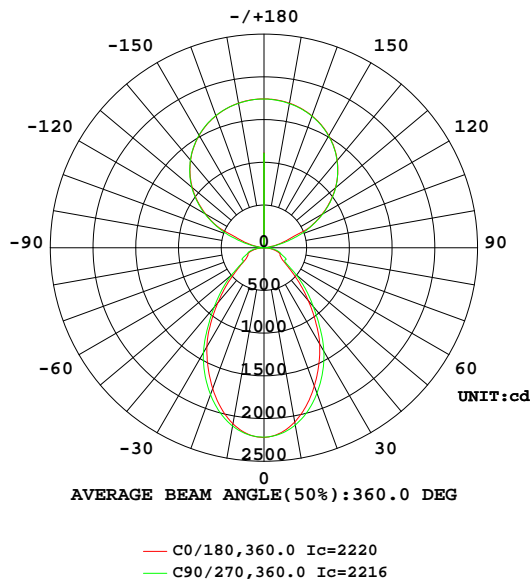


LUMINAIRE PHOTOMETRIC TEST REPORT

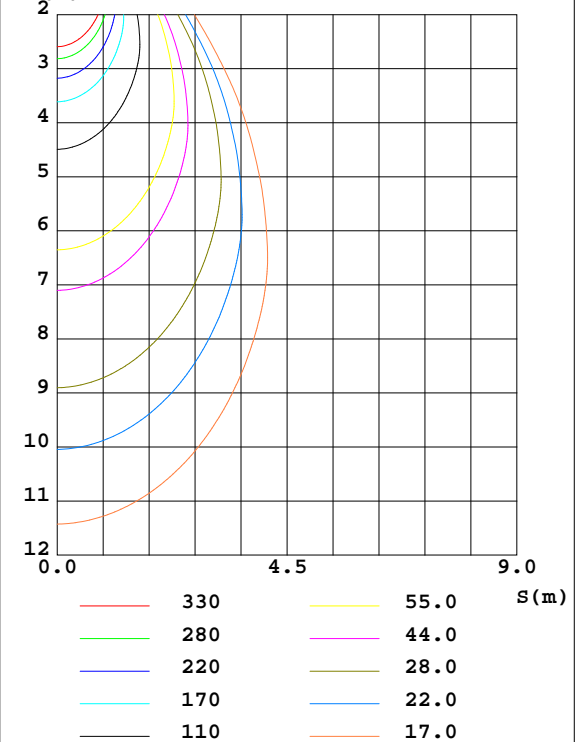
Test:U:229.95V I:0.3487A P:77.747W PF:0.9696 Freq:49.90Hz Lamp Flux:8343.31x1 lm		
NAME: LED Free Standing Luminaire	TYPE: TWINS 80W	WEIGHT:
SPEC.:	DIM.: 610*280*42	SERIAL No.:
MFR.: Cyanlite	SUR.:0.6*0.184	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 107.31 lm/W			
MODEL		Imax(cd)	2220	S/MH(C0/180)	0.97
NOMINAL POWER(W)	80	LOR(%)	100.0	S/MH(C90/270)	1.01
RATED VOLTAGE(V)	230.0	TOTAL FLUX(lm)	8343.3	η UP,DN(C0-180)	29.4,20.5
NOMINAL FLUX(lm)	8343.31	CIE CLASS	DIFFUSE	η UP,DN(C180-360)	29.6,20.5
LAMPS INSIDE	1	η up(%)	59.0	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	230.0	η down(%)	41.0	CIBSE SHR MAX	1.10

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:OQC
Test Date:2019-5-30

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:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

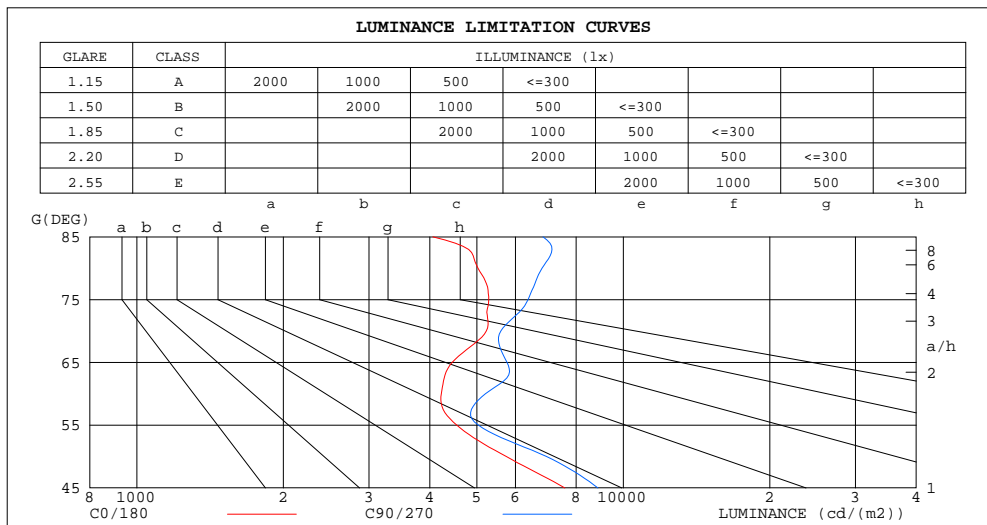
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	2071	2085	2107	2096	2093	2108	2119	2091	0- 10	205.7	205.7	2.47,2.47
20	1723	1759	1813	1774	1756	1791	1831	1767	10- 20	547.4	753.1	9.03,9.03
30	1304	1349	1402	1367	1338	1380	1419	1358	20- 30	723.3	1476	17.7,17.7
40	806.0	858.3	899.2	877.6	839.7	882.9	908.4	868.6	30- 40	698.2	2175	26.1,26.1
50	407.5	521.2	493.1	534.3	429.7	539.4	495.4	524.2	40- 50	520.3	2695	32.3,32.3
60	233.2	190.2	287.5	202.0	236.9	198.5	288.7	193.2	50- 60	325.0	3020	36.2,36.2
70	197.5	123.3	211.4	123.0	199.5	125.4	210.6	123.3	60- 70	200.3	3220	38.6,38.6
80	96.33	97.17	130.5	102.5	102.6	104.5	130.1	101.9	70- 80	145.6	3366	40.3,40.3
90	0.7218	0.7108	0.8265	0.7659	0.8210	0.6888	0.7494	0.6557	80- 90	54.82	3421	41,41
100	61.35	83.68	105.0	80.50	59.95	79.93	108.4	80.65	90-100	24.96	3445	41.3,41.3
110	336.1	428.9	442.2	423.0	336.8	426.8	448.6	425.3	100-110	243.2	3689	44.2,44.2
120	785.3	774.1	796.9	773.0	789.0	778.3	801.9	775.8	110-120	601.7	4290	51.4,51.4
130	1092	1084	1096	1082	1096	1088	1105	1086	120-130	844.3	5135	61.5,61.5
140	1334	1327	1330	1327	1337	1332	1340	1333	130-140	940.0	6075	72.8,72.8
150	1516	1512	1513	1512	1519	1517	1522	1518	140-150	895.6	6970	83.5,83.5
160	1644	1640	1640	1641	1645	1644	1647	1646	150-160	731.5	7702	92.3,92.3
170	1719	1715	1714	1717	1720	1718	1717	1718	160-170	476.4	8178	98,98
180	1743	1743	1743	1743	1743	1743	1743	1743	170-180	165.1	8343	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:QQC
Test Date:2019-5-30

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:

LUMINANCE LIMITATION CURVES

Test:U:229.95V I:0.3487A P:77.747W PF:0.9696 Freq:49.90Hz Lamp Flux:8343.31x1 lm		
NAME: LED Free Standing Luminaire	TYPE: TWINS 80W	WEIGHT:
SPEC.:	DIM.: 610*280*42	SERIAL No.:
MFR.: Cyanlite	SUR.:0.6*0.184	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	4061	6838
80	5025	6807
75	5290	6371
70	5230	5599
65	4448	5765
60	4225	5209
55	4544	5036
50	5743	6948
45	7580	8863

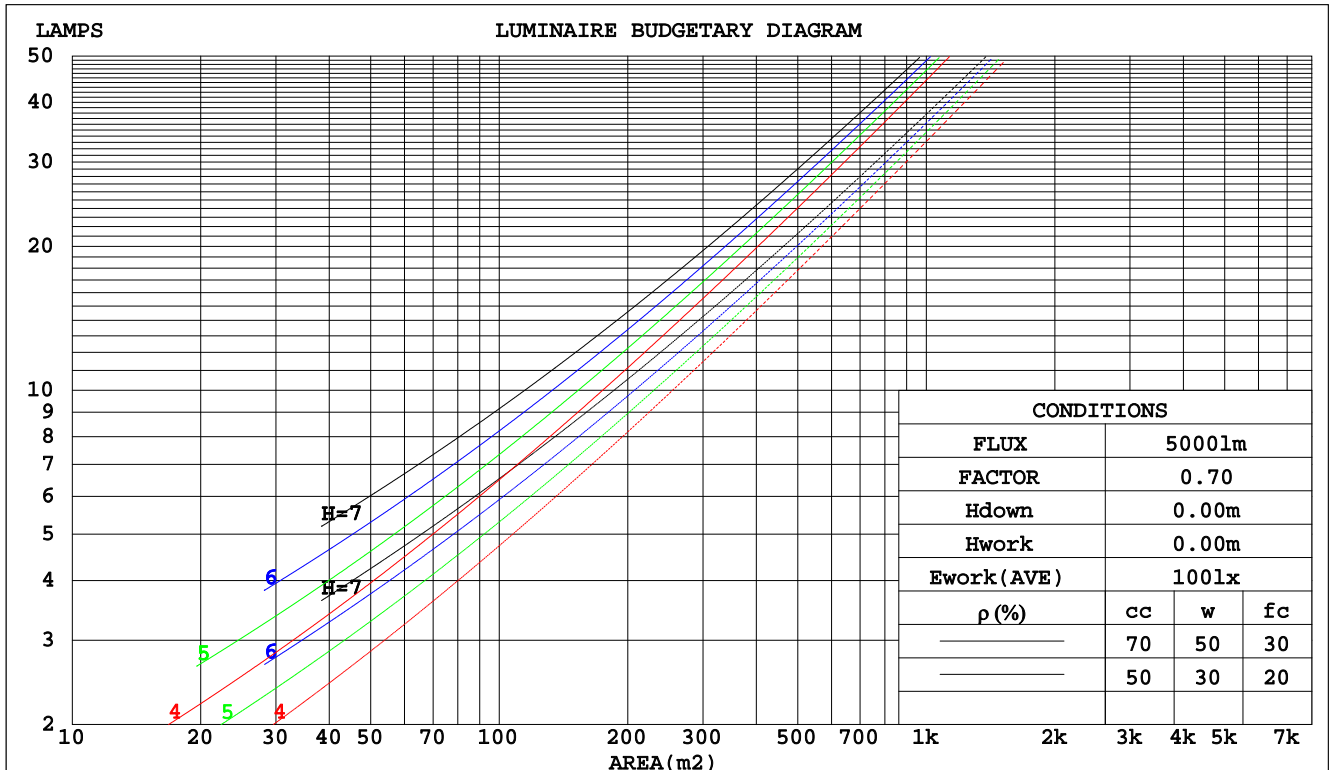
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: OQC
Test Date: 2019-5-30

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:229.95V I:0.3487A P:77.747W PF:0.9696 Freq:49.90Hz Lamp Flux:8343.31x1 lm		
NAME: LED Free Standing Luminaire	TYPE: TWINS 80W	WEIGHT:
SPEC.:	DIM.: 610*280*42	SERIAL No.:
MFR.: Cyanlite	SUR.:0.6*0.184	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	1.05	1.05	1.05	.96	.96	.96	.78	.78	.78	.62	.62	.62	.48	.48	.48	.41
1.0	.92	.89	.86	.84	.81	.79	.70	.67	.66	.56	.55	.53	.43	.42	.42	.36
2.0	.82	.76	.71	.75	.70	.66	.62	.59	.56	.50	.48	.46	.39	.38	.36	.31
3.0	.73	.66	.60	.67	.61	.56	.55	.51	.48	.45	.42	.40	.36	.34	.32	.28
4.0	.65	.58	.52	.60	.53	.48	.50	.45	.42	.41	.38	.35	.32	.30	.28	.25
5.0	.58	.51	.45	.54	.47	.42	.45	.40	.37	.37	.34	.31	.30	.27	.25	.22
6.0	.53	.45	.40	.49	.42	.37	.41	.36	.32	.34	.30	.28	.27	.25	.23	.20
7.0	.48	.40	.35	.44	.38	.33	.38	.33	.29	.31	.28	.25	.25	.23	.21	.18
8.0	.44	.36	.31	.41	.34	.30	.34	.30	.26	.29	.25	.22	.23	.21	.19	.17
9.0	.40	.33	.28	.37	.31	.27	.32	.27	.24	.27	.23	.20	.22	.19	.17	.15
10.0	.37	.30	.26	.34	.28	.24	.29	.25	.21	.25	.21	.19	.20	.18	.16	.14



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:OQC
 Test Date:2019-5-30

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:229.95V I:0.3487A P:77.747W PF:0.9696 Freq:49.90Hz Lamp Flux:8343.31x1 lm		
NAME: LED Free Standing Luminaire	TYPE: TWINS 80W	WEIGHT:
SPEC.:	DIM.: 610*280*42	SERIAL No.:
MFR.: Cyanlite	SUR.:0.6*0.184	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	.258	.147	.046	.233	.133	.042	.187	.107	.034	.144	.083	.027	.105	.061	.020		
2.0	.239	.131	.040	.217	.119	.037	.175	.097	.030	.136	.076	.024	.100	.056	.018		
3.0	.222	.118	.035	.201	.108	.032	.163	.088	.027	.127	.070	.021	.094	.052	.016		
4.0	.206	.107	.031	.187	.098	.029	.152	.080	.024	.119	.064	.019	.088	.048	.015		
5.0	.192	.098	.028	.175	.090	.026	.142	.074	.022	.111	.059	.017	.083	.044	.013		
6.0	.179	.090	.026	.163	.082	.024	.133	.068	.020	.105	.054	.016	.078	.041	.012		
7.0	.168	.083	.024	.153	.076	.022	.125	.063	.018	.099	.051	.015	.074	.038	.011		
8.0	.158	.077	.022	.144	.071	.020	.118	.059	.017	.093	.047	.014	.070	.036	.010		
9.0	.149	.072	.020	.136	.066	.019	.111	.055	.016	.088	.044	.013	.066	.034	.010		
10.0	.140	.067	.019	.128	.062	.017	.105	.052	.015	.084	.042	.012	.063	.032	.009		

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	.640	.640	.640	.547	.547	.547	.373	.373	.373	.214	.214	.214	.069	.069	.069	
1.0	.630	.610	.592	.539	.523	.509	.369	.360	.352	.212	.208	.205	.068	.067	.066	
2.0	.622	.588	.561	.532	.507	.485	.365	.350	.338	.210	.204	.198	.067	.066	.065	
3.0	.614	.573	.540	.526	.494	.468	.361	.343	.328	.209	.200	.194	.067	.065	.063	
4.0	.607	.561	.526	.521	.485	.457	.358	.338	.321	.207	.198	.190	.067	.064	.063	
5.0	.600	.551	.515	.516	.477	.448	.355	.333	.317	.206	.196	.188	.066	.064	.062	
6.0	.594	.544	.508	.511	.471	.442	.352	.330	.313	.204	.194	.186	.066	.063	.061	
7.0	.589	.538	.502	.506	.466	.438	.350	.327	.310	.203	.193	.185	.066	.063	.061	
8.0	.583	.533	.498	.502	.462	.434	.347	.324	.308	.202	.191	.184	.065	.063	.061	
9.0	.578	.528	.495	.498	.459	.432	.345	.322	.306	.201	.190	.183	.065	.062	.061	
10.0	.573	.525	.492	.494	.456	.430	.343	.321	.305	.200	.190	.182	.065	.062	.060	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:QQC
Test Date:2019-5-30

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:229.95V I:0.3487A P:77.747W PF:0.9696 Freq:49.90Hz Lamp Flux:8343.31x1 lm										
NAME: LED Free Standing Luminaire					TYPE: TWINS 80W			WEIGHT:		
SPEC.:					DIM.: 610*280*42			SERIAL No.:		
MFR.: Cyanlite					SUR.:0.6*0.184			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	13.5	14.3	14.4	15.2	16.4	14.0	14.9	15.0	15.8	17.0
3H	14.4	15.1	15.4	16.1	17.3	15.1	15.8	16.0	16.7	18.0
4H	15.0	15.7	16.0	16.6	17.9	15.7	16.4	16.7	17.4	18.6
6H	15.5	16.1	16.5	17.1	18.4	16.4	17.1	17.4	18.0	19.3
8H	15.7	16.3	16.7	17.2	18.5	16.7	17.3	17.7	18.3	19.6
12H	15.7	16.3	16.8	17.3	18.6	16.9	17.5	18.0	18.5	19.8
4H 2H	13.4	14.0	14.3	15.0	16.3	13.9	14.5	14.8	15.5	16.8
3H	14.5	15.1	15.5	16.1	17.4	15.1	15.6	16.1	16.6	18.0
4H	15.2	15.8	16.3	16.8	18.1	15.9	16.4	17.0	17.4	18.8
6H	16.0	16.4	17.0	17.4	18.8	16.9	17.3	17.9	18.4	19.7
8H	16.2	16.6	17.3	17.7	19.1	17.3	17.7	18.3	18.7	20.1
12H	16.4	16.8	17.4	17.8	19.2	17.6	18.0	18.6	19.0	20.4
8H 4H	15.4	15.8	16.4	16.8	18.2	16.0	16.4	17.1	17.5	18.8
6H	16.3	16.6	17.4	17.7	19.1	17.1	17.5	18.2	18.5	19.9
8H	16.7	16.9	17.7	18.0	19.5	17.6	17.9	18.7	19.0	20.4
12H	16.9	17.2	18.0	18.2	19.7	18.0	18.3	19.1	19.4	20.8
12H 4H	15.4	15.8	16.5	16.8	18.2	16.0	16.3	17.0	17.4	18.8
6H	16.3	16.6	17.4	17.7	19.1	17.1	17.4	18.2	18.5	19.9
8H	16.8	17.0	17.9	18.1	19.5	17.7	17.9	18.8	19.0	20.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.5					+ 0.3 / - 0.5				
1.5H	+ 0.2 / - 0.5					+ 0.3 / - 0.4				
2.0H	+ 0.7 / - 0.6					+ 0.6 / - 0.4				

CIE Pub.117, 8343 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 7.4$)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:OQC
Test Date:2019-5-30

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:

UTILIZATION FACTORS TABLE

Test:U:229.95V I:0.3487A P:77.747W PF:0.9696 Freq:49.90Hz Lamp Flux:8343.31x1 lm		
NAME: LED Free Standing Luminaire	TYPE: TWINS 80W	WEIGHT:
SPEC.:	DIM.: 610*280*42	SERIAL No.:
MFR.: Cyanlite	SUR.:0.6*0.184	Shielding Angle:

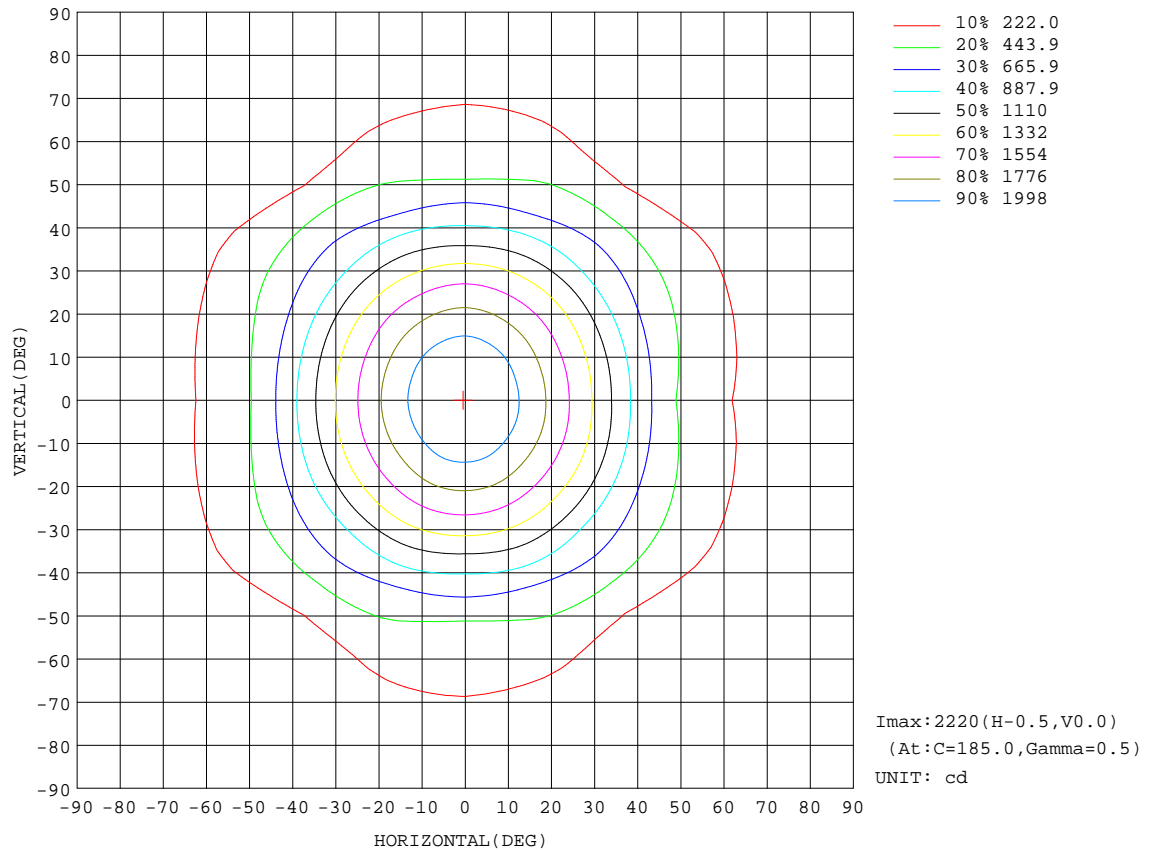
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	46	36	31	43	35	29	38	31	27	20
0.80	55	45	38	52	42	37	45	38	33	23
1.00	62	52	45	58	49	43	50	44	39	26
1.25	69	59	52	64	55	49	54	48	44	29
1.50	74	64	57	68	60	54	57	52	47	30
2.00	80	72	65	74	66	61	62	57	53	33
2.50	84	76	70	77	71	66	65	60	56	34
3.00	87	80	75	80	74	69	67	63	59	35
4.00	92	86	81	84	79	75	69	66	63	36
5.00	94	89	85	86	82	78	71	68	66	37
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:OQC
Test Date:2019-5-30

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:

ISOCANDELA DIAGRAM

Test:U:229.95V I:0.3487A P:77.747W PF:0.9696 Freq:49.90Hz Lamp Flux:8343.31x1 lm		
NAME: LED Free Standing Luminaire	TYPE: TWINS 80W	WEIGHT:
SPEC.:	DIM.: 610*280*42	SERIAL No.:
MFR.: Cyanlite	SUR.:0.6*0.184	Shielding Angle:

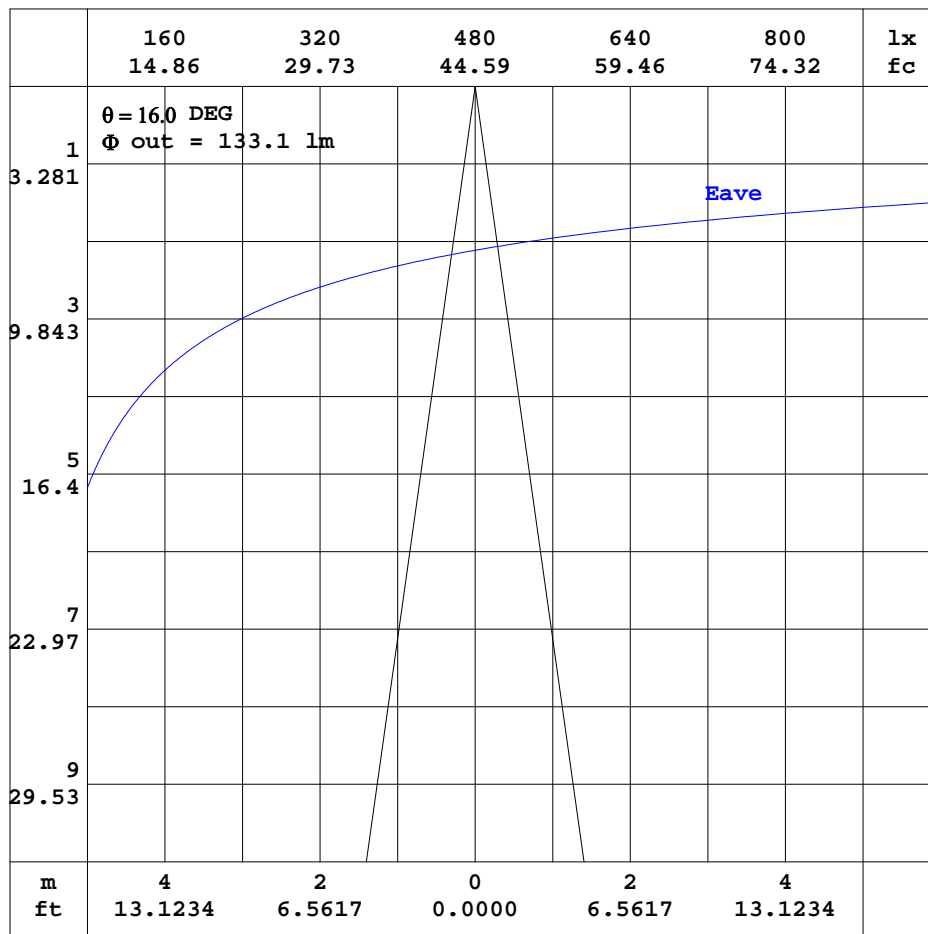


C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: OQC
Test Date: 2019-5-30

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:229.95V I:0.3487A P:77.747W PF:0.9696 Freq:49.90Hz Lamp Flux:8343.31x1 lm		
NAME: LED Free Standing Luminaire	TYPE: TWINS 80W	WEIGHT:
SPEC.:	DIM.: 610*280*42	SERIAL No.:
MFR.: Cyanlite	SUR.:0.6*0.184	Shielding Angle:



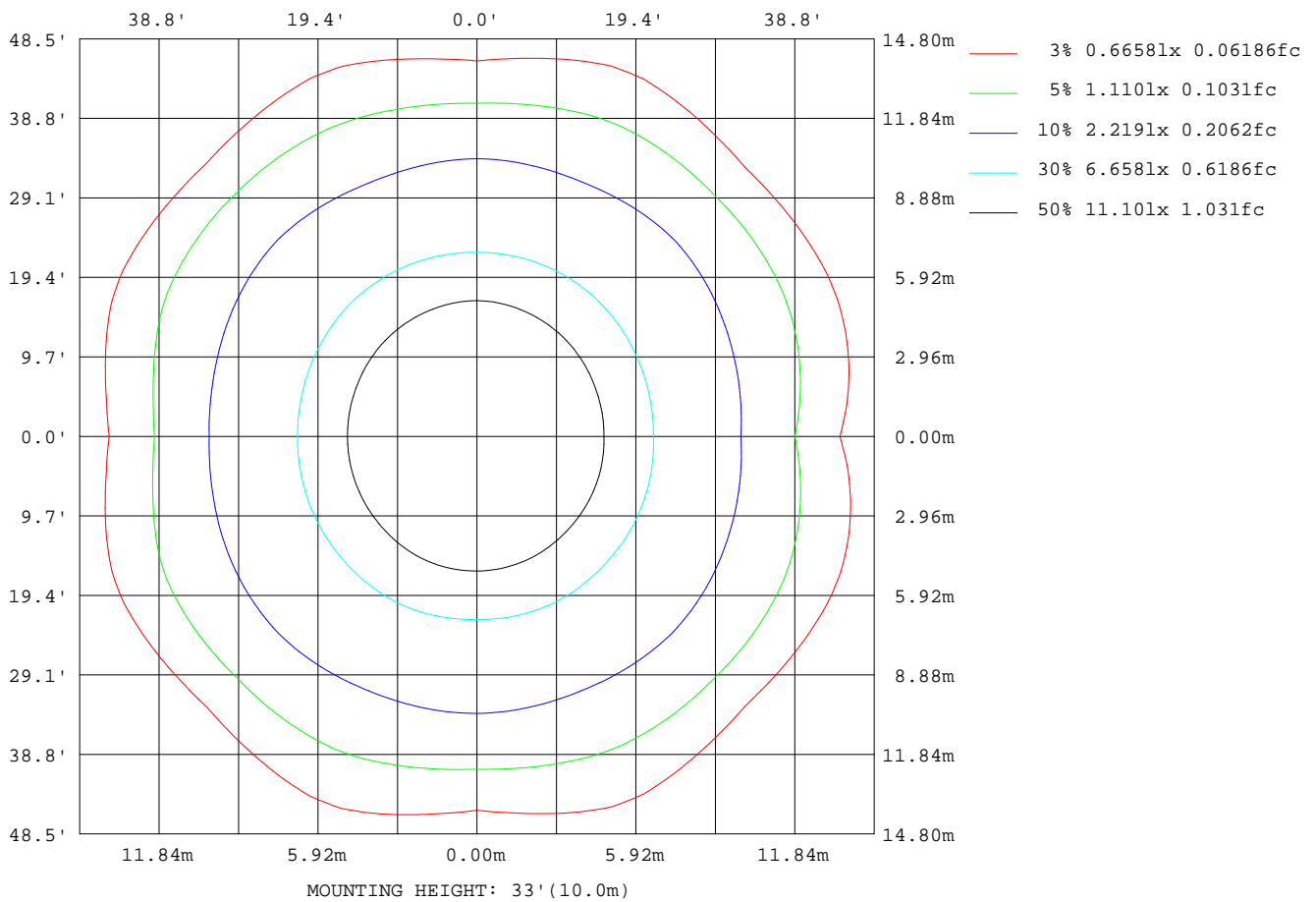
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:OQC
 Test Date:2019-5-30

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:

ISOLUX DIAGRAM

Test:U:229.95V I:0.3487A P:77.747W PF:0.9696 Freq:49.90Hz Lamp Flux:8343.31x1 lm		
NAME: LED Free Standing Luminaire	TYPE: TWINS 80W	WEIGHT:
SPEC.:	DIM.: 610*280*42	SERIAL No.:
MFR.: Cyanlite	SUR.:0.6*0.184	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:OQC
Test Date:2019-5-30

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:229.95V I:0.3487A P:77.747W PF:0.9696 Freq:49.90Hz Lamp Flux:8343.31x1 lm		
NAME: LED Free Standing Luminaire	TYPE: TWINS 80W	WEIGHT:
SPEC.:	DIM.: 610*280*42	SERIAL No.:
MFR.: Cyanlite	SUR.:0.6*0.184	Shielding Angle:

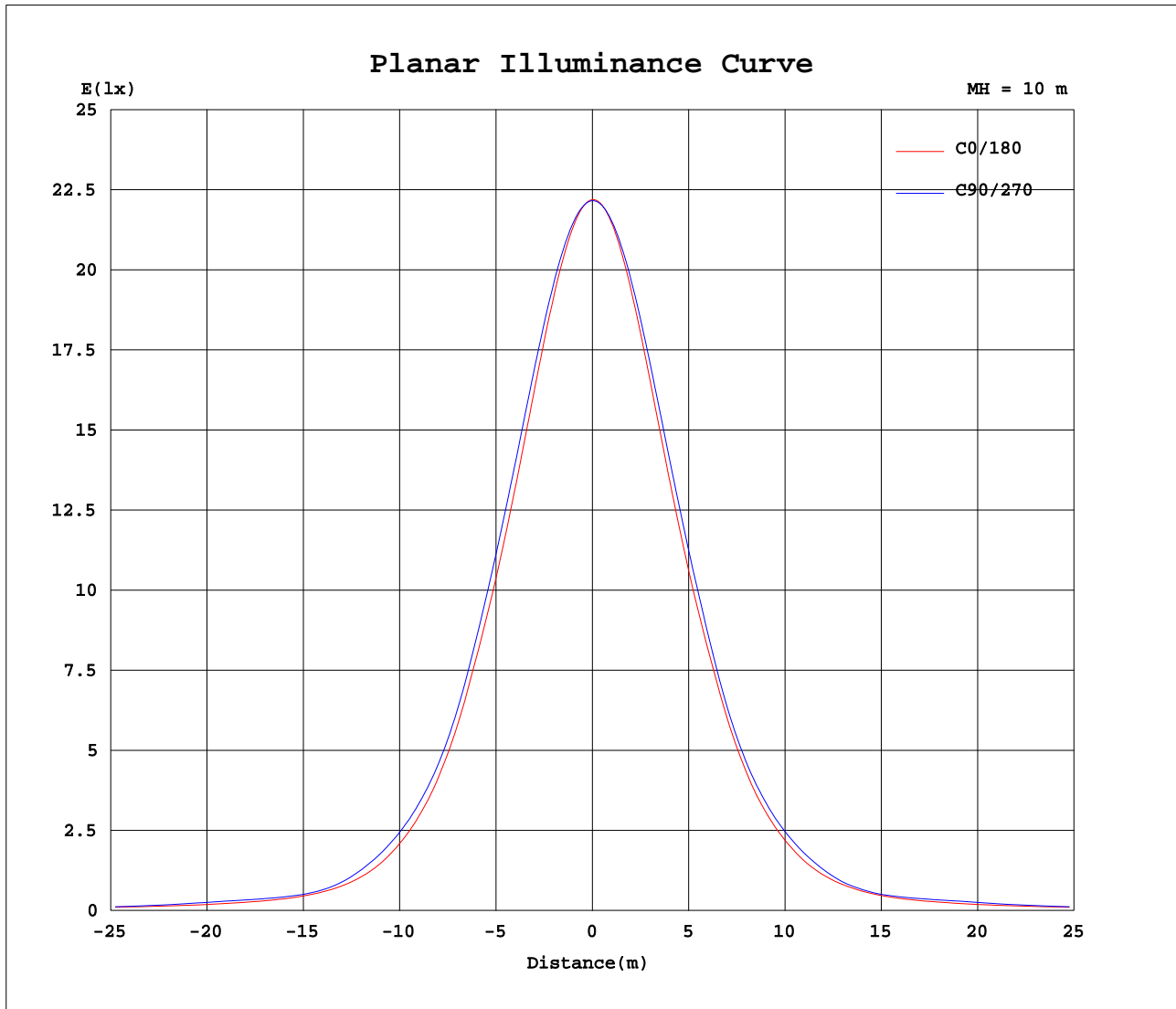
AvgL	cd/m2
L_0~180(65)av	4456
L_0~180(75)av	5400
L_0~180(85)av	4422
L_90~270(65)av	5731
L_90~270(75)av	6349
L_90~270(85)av	6768
L_45(65)av	2712
L_45(75)av	4359
L_45(85)av	4616

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:OQC
Test Date:2019-5-30

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: OQC
 Test Date: 2019-5-30

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:229.95V I:0.3487A P:77.747W PF:0.9696 Freq:49.90Hz Lamp Flux:8343.31x1 lm		
NAME: LED Free Standing Luminaire	TYPE: TWINS 80W	WEIGHT:
SPEC.:	DIM.: 610*280*42	SERIAL No.:
MFR.: Cyanlite	SUR.:0.6*0.184	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	2219	2219	2219	2219	2218	2218	2218	2218	2218	2218	2218	2218	2217	2217	2217	2217	2216	2216	2216
5	2177	2178	2178	2178	2178	2179	2179	2180	2180	2181	2182	2183	2184	2186	2186	2187	2187	2187	2187
10	2071	2072	2073	2074	2075	2077	2079	2081	2083	2085	2089	2093	2096	2100	2103	2104	2106	2106	2107
15	1914	1916	1918	1920	1923	1925	1928	1931	1935	1939	1946	1953	1959	1966	1971	1974	1977	1979	1980
20	1723	1727	1730	1734	1737	1741	1745	1749	1753	1759	1767	1776	1785	1793	1800	1805	1808	1811	1813
25	1516	1520	1525	1529	1534	1538	1543	1548	1554	1560	1569	1579	1588	1597	1605	1610	1614	1618	1620
30	1304	1310	1315	1320	1326	1330	1334	1339	1343	1349	1357	1366	1375	1384	1390	1395	1398	1401	1402
35	1052	1060	1068	1075	1082	1089	1094	1100	1106	1113	1123	1133	1142	1150	1153	1151	1148	1144	1142
40	806	811	816	821	827	832	838	844	850	858	872	886	899	910	915	912	908	903	899
45	592	604	615	627	637	649	661	671	680	687	686	683	679	675	675	679	684	688	692
50	408	434	458	477	494	505	513	518	521	521	521	520	518	515	510	504	499	495	493
55	288	317	340	357	369	370	364	354	345	338	350	365	379	390	387	369	350	332	319
60	233	249	260	266	266	256	237	218	201	190	209	234	262	288	302	302	299	293	288
65	208	211	212	209	203	189	169	149	133	123	139	160	186	212	233	247	258	266	269
70	197	188	178	169	161	151	141	133	127	123	128	136	145	157	169	182	195	205	211
75	151	143	137	131	127	125	123	123	124	126	127	129	132	137	145	156	167	176	182
80	96.3	96.0	95.7	95.6	95.5	95.5	95.4	95.6	96.2	97.2	99.1	102	105	108	113	118	123	128	130
85	39.1	41.3	43.1	44.4	45.2	45.0	44.0	43.0	42.2	42.0	44.4	47.4	50.8	54.4	57.6	60.4	62.8	64.6	65.8
90	0.72	0.72	0.72	0.72	0.72	0.71	0.71	0.71	0.71	0.71	0.71	0.72	0.73	0.74	0.75	0.77	0.79	0.81	0.83
95	5.82	6.36	6.92	7.50	8.09	8.70	9.31	9.96	10.6	11.3	12.1	13.0	13.8	14.7	15.7	16.8	17.7	18.5	19.0
100	61.3	61.3	61.9	63.1	65.0	67.7	71.1	75.0	79.2	83.7	88.7	93.6	98.2	102	105	105	106	105	105
105	200	199	199	199	199	199	199	200	202	206	214	224	234	243	249	253	255	256	256
110	336	335	337	342	349	362	379	397	414	429	432	433	432	430	431	434	437	440	442
115	614	613	613	612	611	610	609	608	607	607	607	607	608	609	611	614	617	620	622
120	785	786	786	786	786	784	781	778	776	774	775	776	778	780	783	787	791	794	797
125	946	945	945	944	943	941	940	938	937	936	936	937	938	939	942	945	948	951	953
130	1092	1091	1089	1088	1087	1086	1085	1084	1084	1084	1083	1083	1083	1083	1085	1088	1091	1094	1096
135	1221	1220	1219	1218	1217	1216	1215	1214	1213	1213	1212	1212	1212	1212	1213	1214	1216	1217	1218
140	1334	1333	1332	1331	1330	1329	1329	1328	1327	1327	1326	1326	1326	1326	1326	1327	1328	1329	1330
145	1432	1431	1430	1429	1428	1427	1427	1427	1426	1426	1426	1425	1425	1425	1425	1426	1427	1428	1429
150	1516	1515	1514	1513	1512	1512	1511	1511	1511	1512	1511	1511	1511	1511	1511	1512	1512	1513	1513
155	1587	1585	1584	1583	1583	1582	1582	1582	1582	1582	1582	1582	1582	1582	1583	1583	1583	1583	1583
160	1644	1642	1641	1640	1639	1639	1639	1639	1640	1640	1640	1640	1640	1640	1640	1640	1640	1640	1640
165	1688	1686	1685	1684	1684	1684	1684	1684	1684	1685	1684	1684	1684	1684	1683	1683	1683	1683	1684
170	1719	1718	1717	1716	1715	1715	1715	1715	1715	1715	1715	1714	1714	1714	1714	1714	1714	1714	1714
175	1737	1736	1735	1734	1733	1733	1733	1733	1733	1733	1733	1733	1733	1733	1733	1733	1733	1733	1733
180	1743	1743	1743	1743	1743	1743	1743	1743	1743	1743	1743	1743	1743	1743	1743	1743	1743	1743	1743

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:OQC
Test Date:2019-5-30

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:229.95V I:0.3487A P:77.747W PF:0.9696 Freq:49.90Hz Lamp Flux:8343.31x1 lm		
NAME: LED Free Standing Luminaire	TYPE: TWINS 80W	WEIGHT:
SPEC.:	DIM.: 610*280*42	SERIAL No.:
MFR.: Cyanlite	SUR.:0.6*0.184	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	2216	2216	2215	2215	2215	2215	2215	2215	2215	2214	2214	2213	2213	2214	2215	2217	2218	2219	2219
5	2188	2188	2188	2188	2188	2187	2186	2186	2185	2184	2184	2183	2183	2184	2185	2186	2188	2189	2189
10	2108	2108	2108	2108	2106	2104	2101	2098	2096	2093	2092	2090	2089	2089	2089	2090	2092	2093	2092
15	1981	1981	1980	1979	1975	1971	1965	1960	1954	1950	1947	1944	1942	1941	1941	1941	1941	1942	1942
20	1814	1813	1812	1809	1805	1797	1790	1782	1774	1769	1765	1762	1759	1757	1756	1755	1755	1756	1756
25	1620	1620	1618	1615	1610	1602	1593	1585	1576	1571	1566	1562	1558	1555	1553	1551	1550	1549	1550
30	1404	1405	1405	1403	1399	1392	1384	1375	1367	1362	1357	1353	1349	1346	1342	1340	1338	1338	1338
35	1147	1152	1158	1162	1162	1157	1150	1142	1134	1128	1123	1117	1112	1107	1101	1097	1093	1091	1092
40	905	912	919	924	922	912	901	889	878	872	867	864	860	856	851	846	842	840	840
45	691	689	687	685	688	693	699	703	706	700	692	682	671	659	647	636	627	621	625
50	499	506	514	523	529	532	534	535	534	535	533	529	523	508	485	462	443	430	442
55	334	354	375	394	398	388	374	359	347	354	363	372	379	373	353	332	313	299	313
60	293	297	300	300	288	265	241	219	202	213	229	247	265	271	264	255	245	237	245
65	266	260	250	236	216	191	166	145	130	140	157	177	197	209	212	212	211	208	210
70	208	202	193	182	169	155	142	131	123	125	130	138	148	160	172	184	193	199	195
75	178	170	161	151	142	136	130	125	122	120	119	119	121	127	135	144	152	157	154
80	128	123	118	113	109	107	105	104	102	100	98.7	97.2	96.2	96.3	97.6	99.3	101	103	103
85	65.6	64.7	63.2	61.1	58.1	54.5	50.8	47.4	44.5	43.8	43.8	44.2	44.9	45.3	45.4	45.5	45.7	46.0	46.9
90	0.83	0.82	0.82	0.81	0.80	0.79	0.78	0.77	0.77	0.76	0.77	0.77	0.77	0.78	0.79	0.81	0.81	0.82	0.82
95	18.6	17.9	17.0	15.8	14.5	13.1	11.6	10.2	8.84	7.76	6.81	6.00	5.35	4.90	4.66	4.54	4.53	4.61	4.63
100	107	108	108	108	105	99.9	93.8	87.2	80.5	74.8	69.5	64.8	60.9	58.7	58.2	58.3	59.0	59.9	59.8
105	258	259	259	256	249	237	225	212	201	198	196	195	196	196	196	197	197	198	198
110	443	442	441	439	438	437	434	430	423	407	389	370	353	342	337	334	335	337	340
115	623	623	622	620	617	614	610	607	604	604	605	606	608	609	611	613	615	616	617
120	796	795	792	789	786	782	778	775	773	775	778	781	785	787	788	788	789	789	790
125	953	951	949	947	944	941	938	936	934	937	940	943	947	949	949	949	949	949	949
130	1095	1094	1092	1089	1087	1085	1084	1083	1082	1084	1085	1087	1090	1092	1093	1095	1096	1096	1096
135	1218	1218	1217	1216	1215	1214	1213	1212	1212	1213	1215	1216	1218	1220	1221	1223	1224	1225	1225
140	1330	1329	1329	1328	1327	1327	1327	1327	1327	1328	1329	1330	1331	1332	1334	1335	1336	1337	1338
145	1428	1427	1427	1426	1425	1426	1426	1426	1427	1427	1427	1428	1429	1430	1431	1432	1434	1435	1435
150	1513	1512	1512	1511	1511	1511	1511	1512	1512	1512	1513	1513	1513	1514	1515	1517	1518	1519	1519
155	1583	1583	1583	1583	1583	1583	1583	1583	1583	1583	1584	1584	1584	1585	1586	1587	1588	1589	1589
160	1640	1640	1640	1641	1641	1641	1641	1641	1641	1641	1641	1641	1641	1642	1642	1643	1644	1645	1645
165	1684	1684	1684	1684	1684	1685	1685	1685	1686	1686	1685	1685	1685	1686	1686	1687	1688	1688	1688
170	1714	1714	1714	1714	1715	1715	1716	1716	1717	1717	1717	1717	1717	1718	1718	1719	1719	1720	1719
175	1733	1734	1734	1734	1734	1734	1735	1735	1735	1736	1736	1736	1736	1737	1737	1737	1738	1738	1738
180	1743	1743	1743	1743	1743	1743	1743	1743	1743	1743	1743	1743	1743	1743	1743	1743	1743	1743	1743

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:OQC
Test Date:2019-5-30

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:229.95V I:0.3487A P:77.747W PF:0.9696 Freq:49.90Hz Lamp Flux:8343.31x1 lm																		
NAME: LED Free Standing Luminaire									TYPE: TWINS 80W					WEIGHT:				
SPEC.:									DIM.: 610*280*42					SERIAL No.:				
MFR.: Cyanlite									SUR.:0.6*0.184					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	2219	2219	2219	2218	2218	2218	2218	2218	2218	2218	2217	2217	2217	2217	2216	2216	2216	2216	2216
5	2189	2189	2188	2189	2190	2191	2192	2193	2193	2193	2193	2193	2193	2194	2194	2193	2193	2192	2191
10	2092	2093	2093	2095	2098	2101	2104	2108	2110	2111	2113	2114	2115	2117	2118	2119	2119	2117	2114
15	1943	1943	1945	1948	1953	1958	1963	1969	1973	1977	1980	1983	1987	1990	1993	1995	1995	1992	1988
20	1757	1758	1761	1765	1771	1778	1784	1791	1797	1802	1807	1812	1817	1822	1827	1830	1831	1827	1821
25	1551	1554	1557	1563	1569	1577	1585	1592	1599	1605	1610	1616	1621	1627	1632	1635	1637	1633	1627
30	1340	1343	1347	1352	1358	1365	1373	1380	1385	1391	1396	1400	1406	1411	1415	1418	1419	1416	1411
35	1095	1100	1105	1113	1121	1129	1137	1145	1151	1156	1160	1163	1163	1162	1159	1156	1153	1154	1155
40	842	845	849	855	861	867	875	883	894	904	914	922	924	922	918	913	908	910	912
45	633	643	654	667	679	691	700	707	703	696	689	681	680	684	689	695	698	694	688
50	459	481	503	519	528	535	538	539	536	531	524	517	510	505	500	497	495	499	505
55	332	353	373	381	376	369	362	356	364	375	384	391	386	369	351	335	322	336	353
60	255	264	271	265	246	227	210	199	217	240	266	291	304	304	301	295	289	292	295
65	211	210	207	194	174	154	137	126	142	164	189	216	236	249	258	264	266	263	256
70	187	176	165	154	144	135	129	125	130	138	148	159	171	184	195	205	211	206	199
75	148	140	133	128	126	126	126	127	128	131	134	139	146	157	167	175	181	176	168
80	103	102	102	102	102	103	104	105	105	107	108	110	114	119	124	128	130	126	121
85	47.9	48.9	49.7	49.7	48.9	48.3	48.0	48.3	51.3	54.8	58.4	61.9	64.1	65.0	65.3	65.1	64.4	63.9	63.1
90	0.81	0.80	0.78	0.77	0.74	0.72	0.70	0.69	0.70	0.71	0.73	0.75	0.76	0.76	0.76	0.75	0.75	0.75	0.75
95	4.72	4.91	5.20	5.60	6.15	6.84	7.70	8.75	10.3	12.0	13.7	15.4	16.8	18.0	18.9	19.6	20.0	19.8	19.4
100	59.8	60.2	61.2	63.2	66.4	70.3	74.9	79.9	86.6	93.4	99.8	105	109	110	110	109	108	110	111
105	198	199	199	199	197	197	198	201	211	223	236	248	256	259	261	262	262	264	264
110	344	351	359	371	385	400	414	427	432	436	437	438	440	443	445	447	449	449	450
115	617	617	617	616	613	611	609	608	611	614	617	621	623	624	625	626	626	628	629
120	791	792	792	790	787	783	780	778	780	784	787	792	795	797	799	801	802	803	803
125	950	950	950	948	946	943	941	939	942	945	949	953	956	957	959	960	960	961	962
130	1095	1094	1092	1091	1090	1089	1088	1088	1090	1092	1095	1098	1100	1102	1103	1105	1105	1105	1105
135	1225	1224	1223	1222	1221	1219	1218	1218	1219	1221	1223	1226	1227	1228	1228	1229	1229	1229	1229
140	1338	1337	1337	1336	1335	1334	1333	1332	1333	1335	1337	1338	1340	1340	1340	1340	1340	1341	1341
145	1435	1435	1434	1434	1433	1433	1432	1432	1433	1434	1436	1437	1438	1438	1439	1439	1439	1439	1439
150	1519	1518	1518	1518	1517	1517	1517	1517	1518	1519	1520	1522	1522	1522	1522	1522	1522	1522	1523
155	1589	1588	1588	1588	1587	1587	1587	1587	1589	1590	1591	1592	1593	1592	1592	1591	1591	1592	1593
160	1645	1645	1644	1644	1644	1644	1644	1644	1645	1646	1647	1648	1649	1648	1648	1647	1647	1647	1648
165	1688	1688	1687	1687	1687	1687	1688	1688	1688	1689	1689	1690	1690	1690	1689	1689	1689	1689	1689
170	1719	1718	1718	1718	1718	1718	1718	1718	1718	1718	1718	1718	1718	1718	1718	1718	1717	1718	1718
175	1737	1736	1736	1736	1735	1736	1736	1736	1736	1736	1736	1736	1736	1736	1736	1736	1736	1736	1736
180	1743	1743	1743	1743	1743	1743	1743	1743	1743	1743	1743	1743	1743	1743	1743	1743	1743	1743	1743

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:OQC
Test Date:2019-5-30

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:229.95V I:0.3487A P:77.747W PF:0.9696 Freq:49.90Hz Lamp Flux:8343.31x1 lm																	
NAME: LED Free Standing Luminaire									TYPE: TWINS 80W						WEIGHT:		
SPEC.:									DIM.: 610*280*42						SERIAL No.:		
MFR.: Cyanlite									SUR.:0.6*0.184						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	2215	2215	2215	2215	2215	2215	2215	2214	2214	2213	2213	2214	2215	2216	2217				
5	2190	2188	2187	2186	2185	2184	2183	2180	2178	2176	2175	2174	2174	2174	2176				
10	2111	2107	2104	2101	2098	2094	2091	2086	2082	2077	2074	2071	2070	2069	2070				
15	1983	1977	1971	1966	1960	1954	1947	1940	1933	1927	1921	1917	1914	1913	1913				
20	1814	1806	1798	1791	1783	1775	1767	1758	1750	1742	1735	1729	1726	1724	1723				
25	1619	1610	1602	1594	1586	1577	1568	1559	1549	1541	1532	1526	1522	1519	1517				
30	1405	1397	1390	1383	1375	1367	1358	1349	1339	1330	1322	1315	1311	1307	1305				
35	1155	1154	1151	1144	1137	1129	1119	1109	1098	1088	1078	1070	1063	1058	1055				
40	913	913	909	900	891	880	869	859	849	840	832	825	819	813	809				
45	682	676	677	683	689	695	697	689	678	665	651	638	626	615	603				
50	511	517	521	524	525	525	524	523	519	514	505	493	477	457	434				
55	372	388	391	379	364	349	336	341	349	356	362	360	349	334	313				
60	296	294	281	257	232	210	193	204	220	238	256	265	264	259	249				
65	246	233	213	188	163	142	127	137	152	171	191	204	209	212	211				
70	189	177	164	152	140	130	123	124	128	135	143	153	162	173	184				
75	158	147	139	134	130	126	124	122	121	121	122	125	129	135	143				
80	115	109	105	103	103	102	102	100	98.3	96.5	95.0	94.2	94.0	94.3	95.1				
85	61.8	60.1	57.3	53.5	49.7	46.1	42.9	42.0	41.7	41.8	42.0	41.9	41.4	40.7	39.9				
90	0.75	0.74	0.73	0.71	0.69	0.67	0.66	0.65	0.66	0.66	0.67	0.68	0.69	0.70	0.71				
95	18.6	17.6	16.4	14.8	13.3	11.8	10.4	9.79	9.35	9.03	8.75	8.35	7.79	7.19	6.53				
100	112	111	108	102	94.6	87.4	80.7	77.6	75.4	73.7	72.4	70.6	68.4	66.1	63.8				
105	264	261	253	241	227	214	203	200	199	199	201	201	201	201	200				
110	449	448	445	442	438	432	425	416	405	394	383	372	363	353	345				
115	629	629	626	620	615	610	606	607	610	613	616	618	618	618	617				
120	803	802	798	792	785	780	776	778	782	787	791	793	793	792	789				
125	961	960	957	952	946	941	938	939	942	946	949	951	951	950	949				
130	1104	1103	1100	1096	1092	1089	1086	1087	1089	1091	1093	1094	1094	1094	1093				
135	1229	1229	1228	1225	1222	1220	1218	1219	1220	1222	1223	1224	1224	1223	1222				
140	1341	1341	1340	1338	1336	1335	1333	1334	1335	1336	1338	1338	1338	1337	1336				
145	1439	1439	1439	1437	1436	1434	1433	1434	1434	1435	1436	1436	1435	1435	1434				
150	1523	1524	1523	1522	1521	1519	1518	1519	1519	1519	1520	1520	1519	1519	1518				
155	1593	1594	1593	1592	1591	1590	1589	1589	1589	1590	1590	1590	1589	1589	1588				
160	1649	1650	1649	1649	1648	1647	1646	1646	1646	1646	1646	1646	1646	1645	1645				
165	1690	1690	1690	1690	1690	1690	1689	1690	1690	1690	1690	1689	1689	1689	1688				
170	1718	1718	1718	1718	1718	1718	1718	1719	1719	1719	1720	1720	1720	1719	1719				
175	1736	1736	1736	1736	1736	1736	1736	1736	1736	1737	1737	1737	1737	1737	1737				
180	1743	1743	1743	1743	1743	1743	1743	1743	1743	1743	1743	1743	1743	1743	1743				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:OQC
Test Date:2019-5-30

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: