

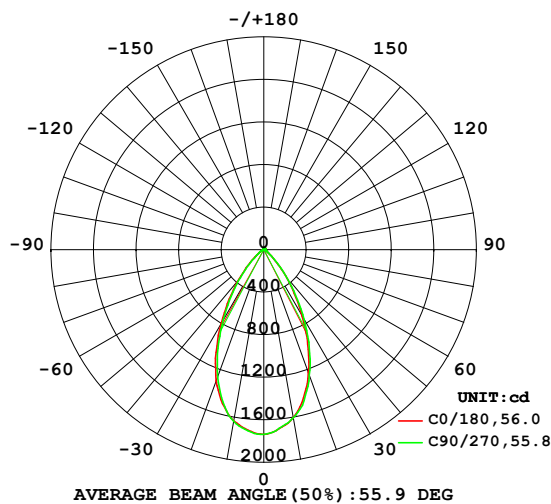
TLO020-11 36V500mA CXA1820-30G-H-NOY 55.9D 3000K CRI93 NA

LUMINAIRE PHOTOMETRIC TEST REPORT

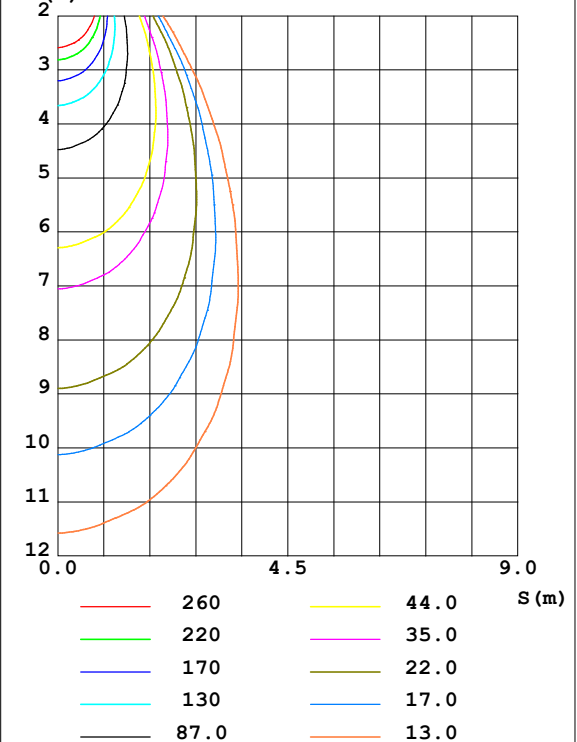
NAME: TLO020-11	TYPE: 55.9D	WEIGHT: 1
SPEC.: 3000K CRI93	DIM.:	SERIAL No.:
MFR.:	SUR.: 57	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 79.12 lm/W			
MODEL		Imax(cd)	1740	S/MH(C0/180)	0.88
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.86
RATED VOLTAGE(V)	110	TOTAL FLUX(lm)	1638.8	η UP,DN(C0-180)	1.2, 48.6
NOMINAL FLUX(lm)	1638.84	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.2, 49.1
LAMPS INSIDE	1	η up(%)	2.4	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	110	η down(%)	97.6	CIBSE SHR MAX	0.90

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 28DEG
Operators: CJY
Test Date: 2024-08-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity: 65.0%
Test Distance: 5.190m [K=1.0000]
Remarks:

TLO020-11 36V500mA CXA1820-30G-H-NOY 55.9D 3000K CRI93 NA

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1603	1582	1605	1629	1634	1654	1639	1608	0- 10	159.6	159.6	9.74,9.74
20	1230	1203	1256	1314	1313	1329	1275	1218	10- 20	409.6	569.2	34.7,34.7
30	726.1	706.9	763.8	814.7	805.1	819.7	766.8	706.7	20- 30	463.7	1033	63,63
40	321.6	300.6	331.9	373.6	366.7	383.5	345.5	306.7	30- 40	332.5	1365	83.3,83.3
50	86.39	83.32	95.58	112.5	106.9	116.0	99.65	86.63	40- 50	152.8	1518	92.6,92.6
60	31.01	30.06	33.06	38.47	37.88	39.79	35.53	30.53	50- 60	52.92	1571	95.9,95.9
70	11.74	10.83	12.91	14.91	14.50	15.40	13.51	11.17	60- 70	22.55	1594	97.2,97.2
80	0.6766	0.5249	0.9007	1.416	1.313	1.578	1.001	0.5313	70- 80	5.895	1600	97.6,97.6
90	0.4665	0.4831	0.4555	0.4313	0.3766	0.3732	0.3939	0.4052	80- 90	0.4937	1600	97.6,97.6
100	0.9062	0.9549	0.8795	0.7871	0.7095	0.6848	0.7548	0.8216	90-100	0.6330	1601	97.7,97.7
110	2.052	2.163	1.976	1.784	1.648	1.578	1.736	1.920	100-110	1.330	1602	97.8,97.8
120	4.292	4.458	4.144	3.801	3.618	3.490	3.787	4.094	110-120	2.773	1605	97.9,97.9
130	7.639	7.834	7.418	6.972	6.754	6.573	6.998	7.399	120-130	4.897	1610	98.2,98.2
140	11.52	11.78	11.36	10.86	10.57	10.39	10.87	11.26	130-140	7.009	1617	98.6,98.6
150	15.01	15.26	14.96	14.52	14.11	14.03	14.45	14.70	140-150	8.063	1625	99.1,99.1
160	17.07	17.26	17.27	16.81	16.48	16.46	16.95	16.78	150-160	7.315	1632	99.6,99.6
170	18.31	18.45	18.47	18.39	18.05	18.06	18.25	18.19	160-170	4.969	1637	99.9,99.9
180	19.20	19.39	19.24	19.40	19.23	19.40	19.26	19.42	170-180	1.783	1639	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

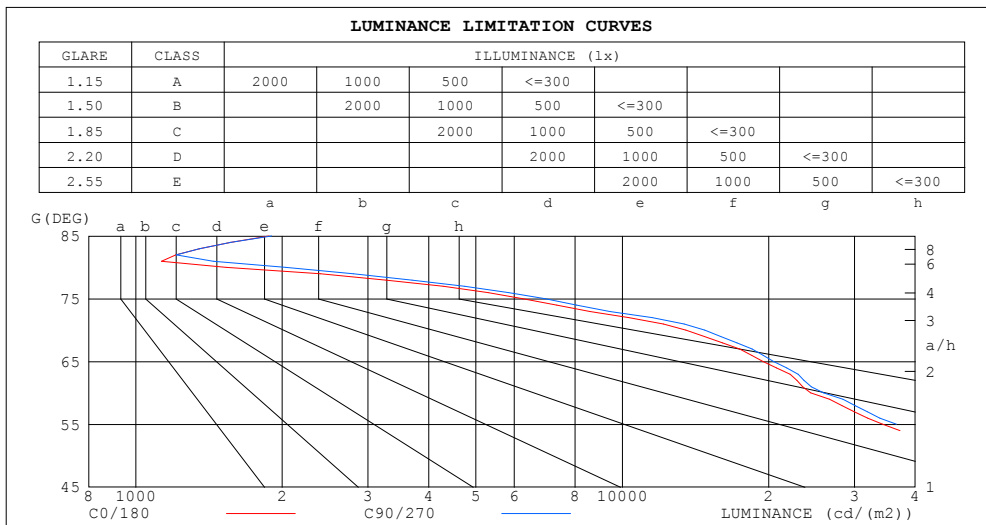
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:28DEG
 Operators:CJY
 Test Date:2024-08-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
 Humidity:65.0%
 Test Distance:5.190m [K=1.0000]
 Remarks:

TLO020-11 36V500mA CXA1820-30G-H-NOY 55.9D 3000K CRI93 NA

LUMINANCE LIMITATION CURVES

NAME: TLO020-11	TYPE: 55.9D	WEIGHT: 1
SPEC.: 3000K CRI93	DIM.:	SERIAL No.:
MFR.:	SUR.: 57	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1879	1900
80	1533	2031
75	6251	6941
70	13505	14779
65	19470	20444
60	24401	25896
55	34309	36606
50	52884	58237
45	95653	102981

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 28DEG
Operators: CJY
Test Date: 2024-08-09

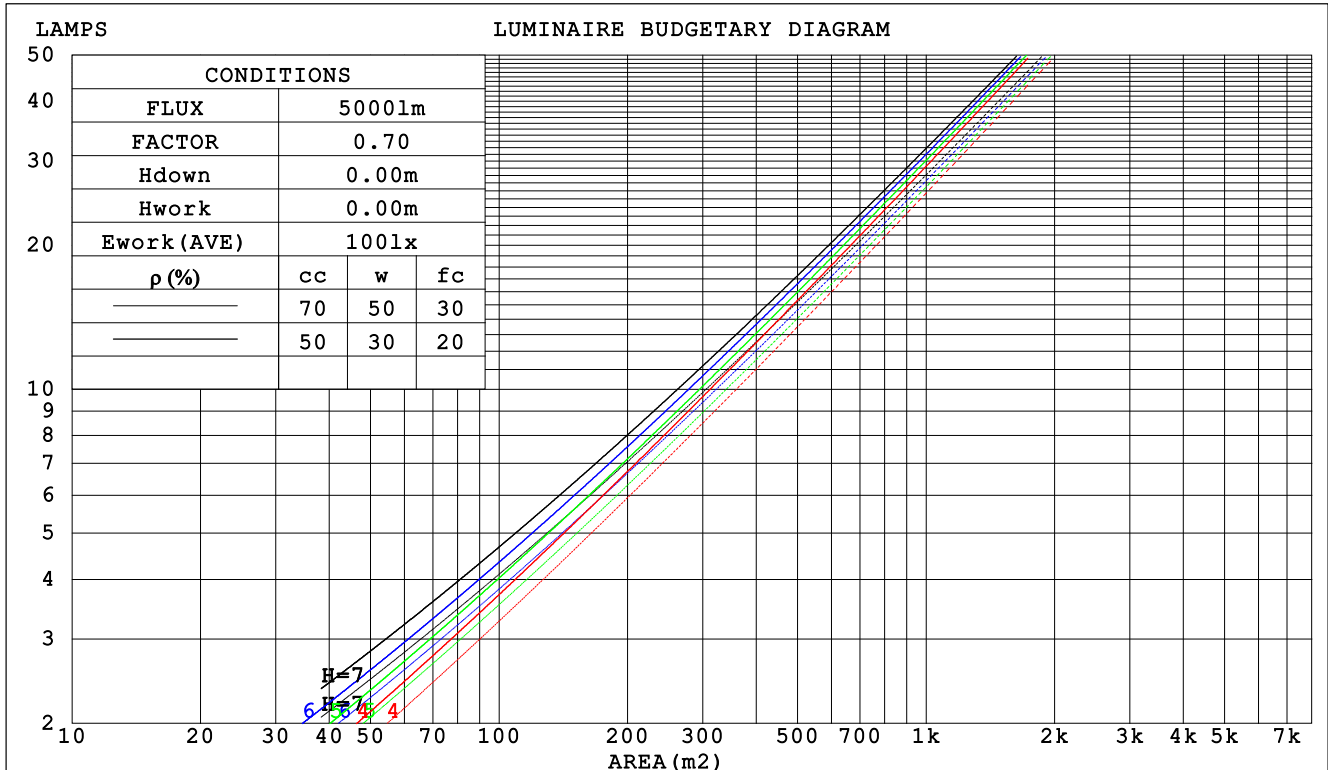
γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity: 65.0%
Test Distance: 5.190m [K=1.0000]
Remarks:

TL0020-11 36V500mA CXA1820-30G-H-NOY 55.9D 3000K CRI93 NA

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: TLO020-11	TYPE:55.9D	WEIGHT:1
SPEC.:3000K CRI93	DIM.:	SERIAL No.:
MFR.:	SUR.:57	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.05	1.05	1.05	.00	.00	.00	.98
1.0	1.10	1.07	1.04	1.07	1.05	1.03	1.03	1.01	.99	.98	.97	.96	.95	.94	.92	.90
2.0	1.01	.97	.93	.99	.95	.92	.96	.92	.90	.92	.90	.87	.89	.87	.85	.83
3.0	.94	.88	.84	.92	.87	.83	.89	.85	.81	.86	.83	.80	.84	.81	.78	.77
4.0	.87	.81	.76	.86	.80	.76	.83	.78	.75	.81	.77	.73	.79	.75	.72	.71
5.0	.81	.75	.70	.80	.74	.70	.78	.73	.69	.76	.71	.68	.74	.70	.67	.65
6.0	.75	.69	.64	.74	.69	.64	.73	.67	.64	.71	.66	.63	.69	.65	.62	.61
7.0	.71	.64	.60	.70	.64	.59	.68	.63	.59	.67	.62	.59	.65	.61	.58	.57
8.0	.66	.60	.56	.66	.60	.55	.64	.59	.55	.63	.58	.55	.62	.57	.54	.53
9.0	.62	.56	.52	.62	.56	.52	.61	.55	.51	.59	.55	.51	.58	.54	.51	.49
10.0	.59	.53	.49	.58	.52	.49	.57	.52	.48	.56	.51	.48	.55	.51	.48	.46



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:CJY
Test Date:2024-08-09

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γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

```

TLO020-11 36V500mA CXA1820-30G-H-NOY 55.9D 3000K CRI93 NA

WEC AND CCEC

NAME: TLO020-11	TYPE:55.9D	WEIGHT:1
SPEC.:3000K CRI93	DIM.:	SERIAL No.:
MFR.:	SUR.:57	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	.191	.109	.034	.183	.105	.033	.169	.097	.031	.157	.090	.029	.145	.084	.027	
2.0	.184	.101	.031	.177	.098	.030	.166	.092	.029	.154	.087	.027	.144	.082	.026	
3.0	.175	.093	.028	.170	.091	.027	.159	.086	.026	.150	.082	.025	.141	.078	.024	
4.0	.167	.087	.025	.162	.085	.025	.153	.081	.024	.144	.078	.023	.137	.074	.023	
5.0	.158	.081	.023	.154	.079	.023	.146	.076	.022	.139	.073	.022	.132	.070	.021	
6.0	.151	.076	.022	.147	.074	.021	.140	.072	.021	.133	.069	.020	.127	.067	.020	
7.0	.144	.071	.020	.140	.070	.020	.134	.068	.019	.128	.066	.019	.122	.064	.019	
8.0	.137	.067	.019	.134	.066	.019	.128	.064	.018	.123	.062	.018	.118	.060	.018	
9.0	.131	.063	.018	.128	.062	.018	.123	.061	.017	.118	.059	.017	.113	.058	.017	
10.0	.125	.060	.017	.123	.059	.017	.118	.058	.016	.113	.056	.016	.109	.055	.016	

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	.209	.209	.209	.178	.178	.178	.122	.122	.122	.070	.070	.070	.022	.022	.022		
1.0	.190	.175	.162	.163	.151	.139	.111	.104	.096	.064	.060	.056	.021	.019	.018		
2.0	.176	.151	.129	.151	.130	.112	.103	.090	.078	.060	.052	.046	.019	.017	.015		
3.0	.165	.132	.106	.141	.114	.092	.097	.079	.065	.056	.046	.038	.018	.015	.012		
4.0	.155	.118	.089	.133	.102	.077	.091	.071	.054	.053	.041	.032	.017	.014	.011		
5.0	.147	.106	.076	.126	.092	.066	.087	.064	.047	.050	.038	.028	.016	.012	.009		
6.0	.140	.097	.067	.120	.084	.058	.083	.059	.041	.048	.035	.024	.015	.011	.008		
7.0	.133	.090	.059	.115	.078	.052	.079	.055	.037	.046	.032	.022	.015	.011	.007		
8.0	.128	.084	.054	.110	.073	.047	.076	.051	.033	.044	.030	.020	.014	.010	.007		
9.0	.122	.079	.049	.105	.068	.043	.073	.048	.030	.043	.028	.018	.014	.009	.006		
10.0	.118	.074	.045	.102	.065	.040	.070	.045	.028	.041	.027	.017	.013	.009	.006		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:CJY
Test Date:2024-08-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

TLO020-11 36V500mA CXA1820-30G-H-NOY 55.9D 3000K CRI93 NA

UGR(Unified Glare Rating) Table

NAME: TLO020-11					TYPE:55.9D			WEIGHT:1			
SPEC.:3000K CRI93					DIM.:			SERIAL No.:			
MFR.:					SUR.:57			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	2H	22.0	23.0	22.2	23.2	23.4	22.1	23.1	22.4	23.4	23.6
	3H	21.9	22.9	22.2	23.1	23.4	22.1	23.0	22.4	23.3	23.5
	4H	21.9	22.7	22.2	23.0	23.3	22.0	22.9	22.4	23.2	23.4
	6H	21.8	22.6	22.1	22.9	23.2	21.9	22.8	22.3	23.0	23.3
	8H	21.7	22.5	22.1	22.8	23.1	21.9	22.7	22.2	23.0	23.3
	12H	21.7	22.4	22.0	22.7	23.1	21.8	22.6	22.2	22.9	23.2
4H	2H	21.8	22.7	22.1	23.0	23.2	22.0	22.8	22.3	23.1	23.4
	3H	21.8	22.6	22.2	22.9	23.2	22.0	22.7	22.3	23.0	23.4
	4H	21.7	22.4	22.1	22.8	23.1	21.9	22.6	22.3	22.9	23.3
	6H	21.6	22.2	22.1	22.6	23.0	21.8	22.4	22.2	22.8	23.2
	8H	21.6	22.1	22.0	22.5	22.9	21.8	22.3	22.2	22.7	23.1
	12H	21.5	22.0	22.0	22.5	22.9	21.7	22.2	22.2	22.6	23.1
8H	4H	21.6	22.1	22.0	22.5	23.0	21.8	22.3	22.2	22.7	23.1
	6H	21.5	21.9	22.0	22.4	22.8	21.7	22.1	22.1	22.5	23.0
	8H	21.4	21.8	21.9	22.3	22.8	21.6	22.0	22.1	22.5	23.0
	12H	21.4	21.7	21.9	22.2	22.7	21.6	21.9	22.1	22.4	22.9
12H	4H	21.5	22.0	22.0	22.5	22.9	21.7	22.2	22.2	22.6	23.1
	6H	21.4	21.8	21.9	22.3	22.8	21.6	22.0	22.1	22.5	23.0
	8H	21.4	21.7	21.9	22.2	22.7	21.6	21.9	22.1	22.4	22.9
Variations with the observer position at spacings:											
S = 1.0H	+ 2.4 / - 5.2					+ 2.5 / - 5.0					
1.5H	+ 3.9 / - 4.2					+ 3.9 / - 4.3					
2.0H	+ 4.7 / - 3.3					+ 4.9 / - 3.5					

CIE Pub.117, 1639 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.7)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:CJY
Test Date:2024-08-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

TL0020-11 36V500mA CXA1820-30G-H-NOY 55.9D 3000K CRI93 NA

UTILIZATION FACTORS TABLE

NAME: TLO020-11	TYPE:55.9D	WEIGHT:1
SPEC.:3000K CRI93	DIM.:	SERIAL No.:
MFR.:	SUR.:57	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) $k(RI) \times RCR = 5$									
$k = 0.60$	81	74	69	80	73	69	79	73	69	65
0.80	89	82	78	88	82	78	87	81	77	73
1.00	95	88	84	94	88	84	92	88	83	78
1.25	99	93	89	98	93	89	96	91	88	83
1.50	103	97	93	101	96	93	98	94	91	86
2.00	106	101	98	104	100	97	101	98	95	89
2.50	108	104	100	106	102	99	103	99	97	90
3.00	110	106	103	108	104	102	104	101	99	92
4.00	112	109	106	110	107	105	106	104	102	94
5.00	113	111	109	111	109	107	107	105	103	95
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended				SHR _{NOM} = 1.25		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 28DEG
Operators: CJY
Test Date: 2024-08-09

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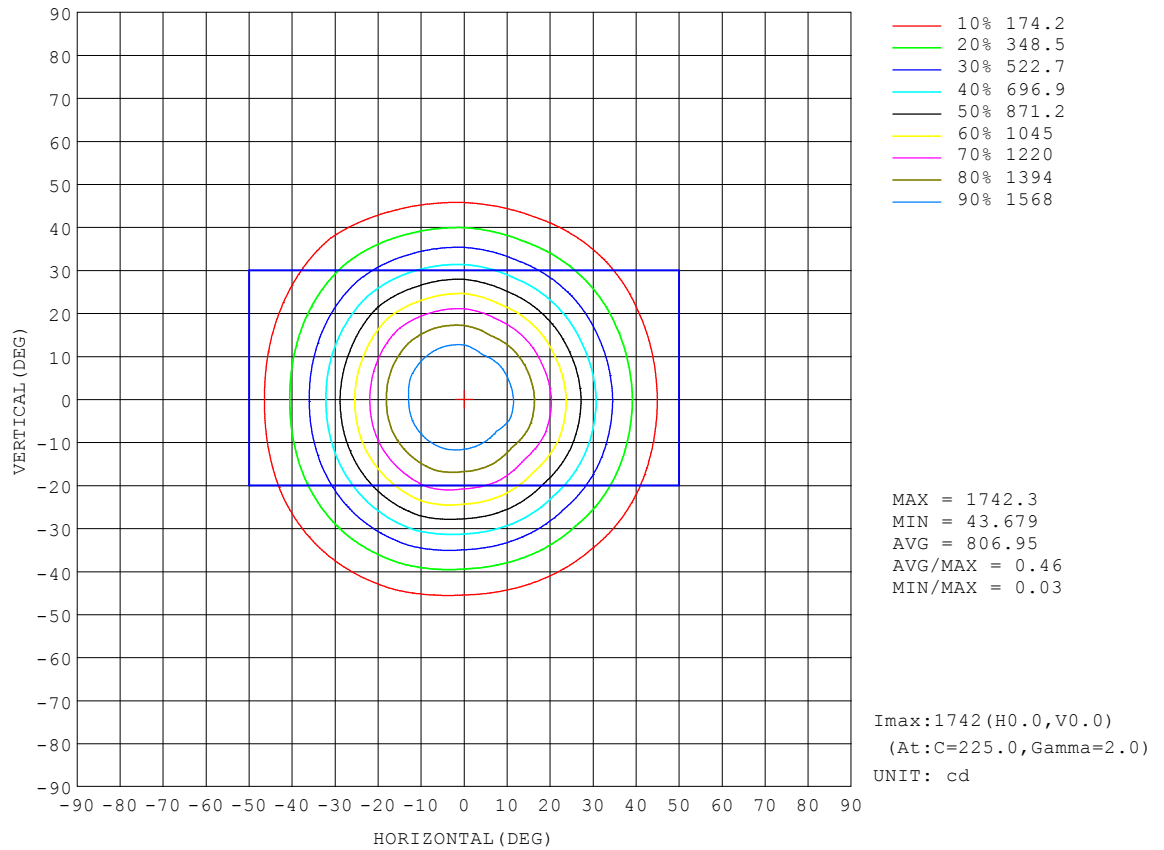
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Remarks:

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TLO020-11 36V500mA CXA1820-30G-H-NOY 55.9D 3000K CRI93 NA

ISOCANDELA DIAGRAM

NAME: TLO020-11	TYPE: 55.9D	WEIGHT: 1
SPEC.: 3000K CRI93	DIM.:	SERIAL No.:
MFR.:	SUR.: 57	Shielding Angle:



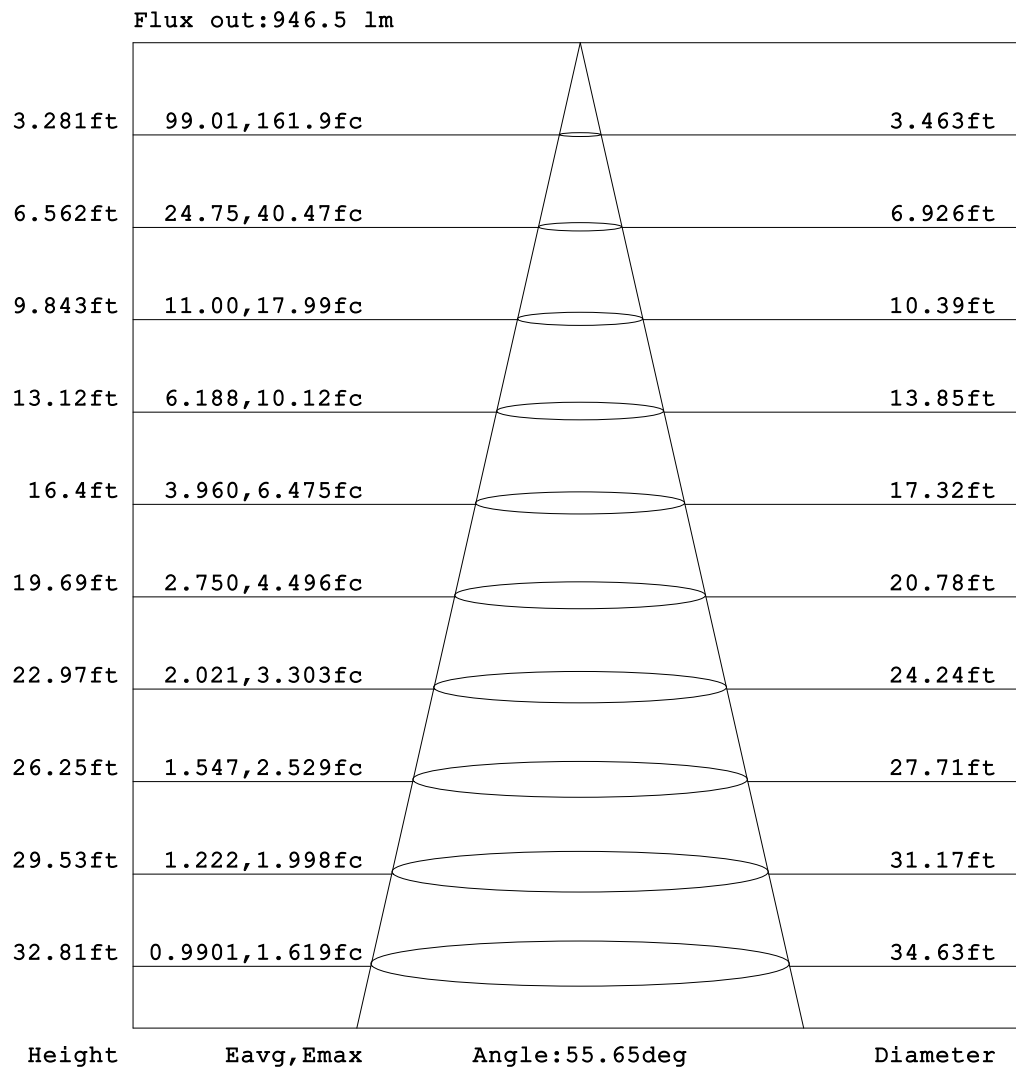
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 Remarks:

TLO020-11 36V500mA CXA1820-30G-H-NOY 55.9D 3000K CRI93 NA

AAI Figure

NAME: TLO020-11	TYPE:55.9D	WEIGHT:1
SPEC.:3000K CRI93	DIM.:	SERIAL No.:
MFR.:	SUR.:57	Shielding Angle:



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

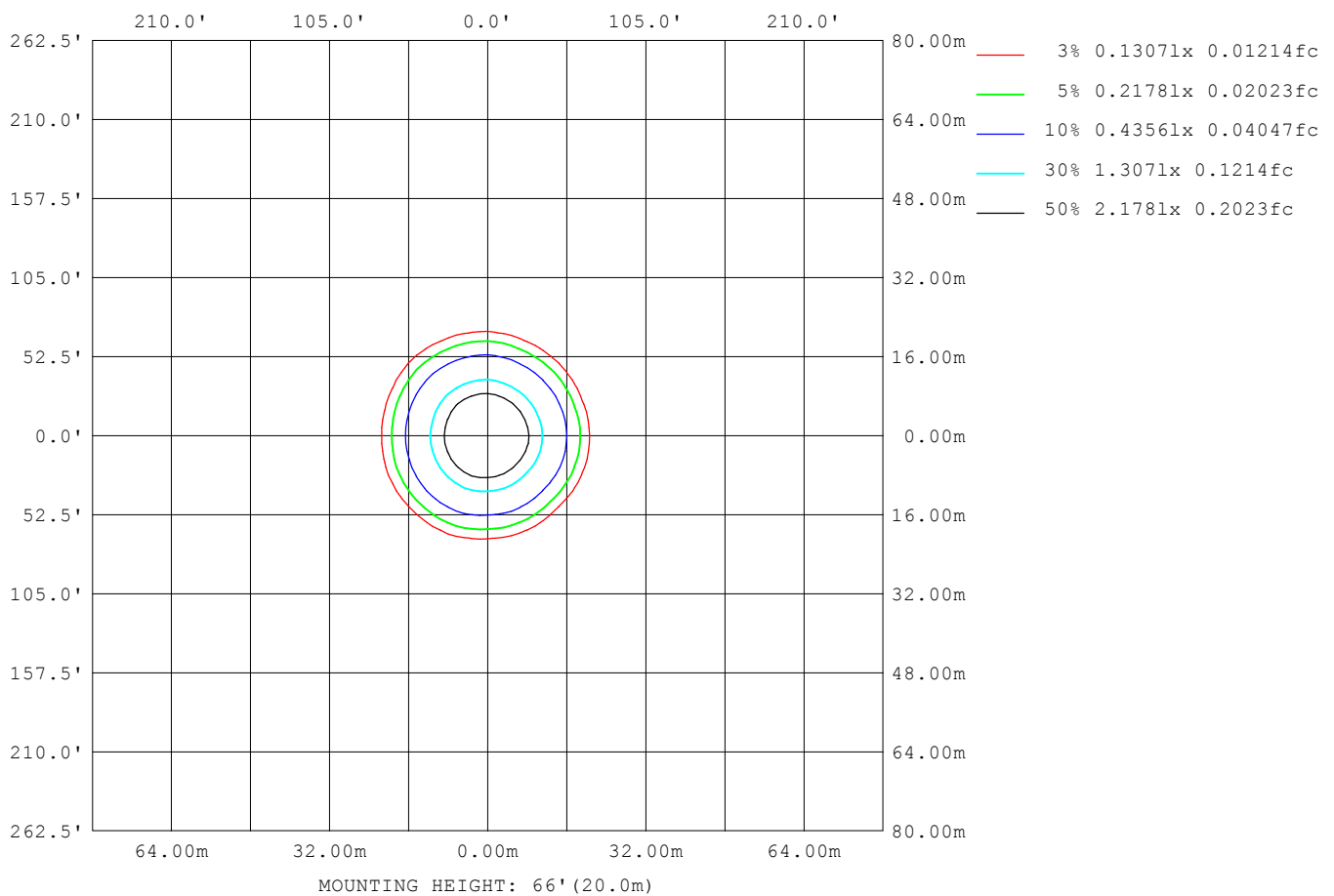
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TLO020-11 36V500mA CXA1820-30G-H-NOY 55.9D 3000K CRI93 NA

ISOLUX DIAGRAM

NAME: TLO020-11	TYPE: 55.9D	WEIGHT: 1
SPEC.: 3000K CRI93	DIM.:	SERIAL No.:
MFR.:	SUR.: 57	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
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Humidity: 65.0%
Test Distance: 5.190m [K=1.0000]
Remarks:

TLO020-11 36V500mA CXA1820-30G-H-NOY 55.9D 3000K CRI93 NA

LED Avg.L Report

NAME: TLO020-11	TYPE:55.9D	WEIGHT:1
SPEC.:3000K CRI93	DIM.:	SERIAL No.:
MFR.:	SUR.:57	Shielding Angle:

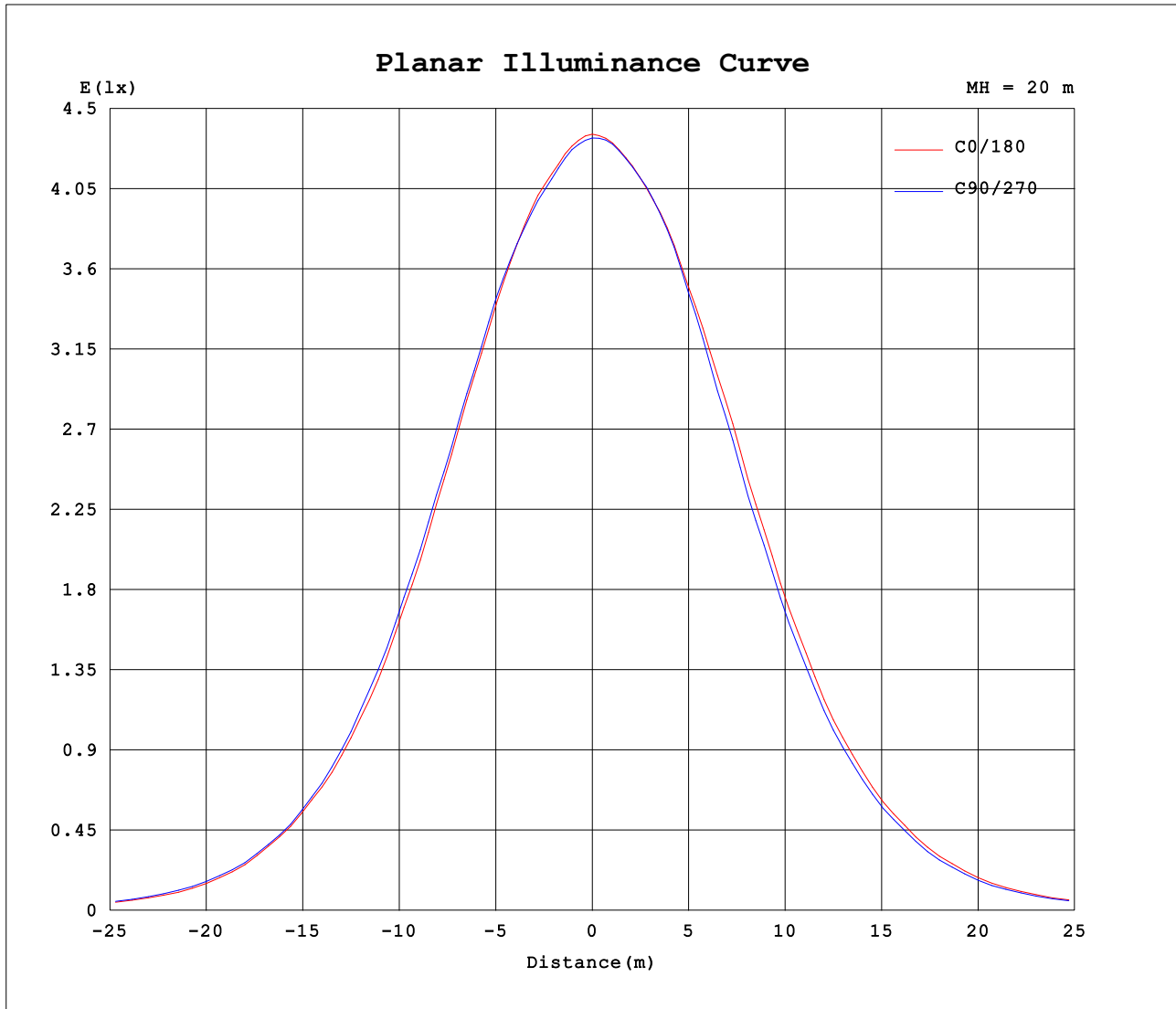
AvgL	cd/m2
L_0~180 (65) av	20996
L_0~180 (75) av	7363
L_0~180 (85) av	1724
L_90~270 (65) av	20980
L_90~270 (75) av	7165
L_90~270 (85) av	1758
L_45 (65) av	21039
L_45 (75) av	7368
L_45 (85) av	1715

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:28DEG
Operators:CJY
Test Date:2024-08-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 28DEG
 Operators: CJY
 Test Date: 2024-08-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.401
 Humidity: 65.0%
 Test Distance: 5.190m [K=1.0000]
 Remarks:

TLO020-11 36V500mA CXA1820-30G-H-NOY 55.9D 3000K CRI93 NA

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: TLO020-11	TYPE:55.9D	WEIGHT:1
SPEC.:3000K CRI93	DIM.:	SERIAL No.:
MFR.:	SUR.:57	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	1736	1736	1736	1736	1736	1736	1736	1736	1736	1736	1736	1736	1736	1736	1736	1736			
5	1689	1685	1674	1682	1688	1700	1700	1701	1703	1712	1720	1715	1709	1695	1693	1689			
10	1603	1603	1582	1593	1605	1623	1629	1634	1634	1646	1654	1645	1639	1607	1608	1605			
15	1443	1452	1423	1450	1468	1491	1508	1517	1499	1512	1516	1506	1487	1438	1446	1444			
20	1230	1234	1203	1245	1256	1311	1314	1324	1313	1307	1329	1293	1275	1224	1218	1213			
25	979	983	953	991	1016	1071	1071	1076	1066	1059	1081	1038	1024	966	963	958			
30	726	725	707	738	764	812	815	817	805	797	820	780	767	714	707	704			
35	503	497	483	502	521	569	578	570	567	570	583	554	537	495	486	488			
40	322	310	301	313	332	365	374	372	367	372	384	359	346	312	307	307			
45	172	170	161	175	186	211	214	215	208	214	219	204	192	172	168	164			
50	86.4	86.1	83.3	89.9	95.6	111	112	113	107	113	116	108	99.6	89.0	86.6	84.8			
55	50.0	49.9	48.4	51.0	53.6	60.4	62.9	62.8	61.3	63.0	65.6	61.1	57.9	51.9	49.9	49.1			
60	31.0	30.9	30.1	31.5	33.1	37.6	38.5	38.1	37.9	38.4	39.8	37.2	35.5	31.4	30.5	30.4			
65	20.9	20.6	19.8	21.2	22.1	24.4	24.8	24.8	24.3	24.4	25.6	23.7	23.2	20.8	20.5	20.3			
70	11.7	11.4	10.8	12.1	12.9	14.7	14.9	15.1	14.5	14.6	15.4	14.1	13.5	11.4	11.2	11.1			
75	4.11	3.89	3.65	4.26	4.59	5.63	5.83	6.00	5.61	5.68	6.25	5.28	4.87	3.82	3.72	3.79			
80	0.68	0.62	0.52	0.74	0.90	1.36	1.42	1.49	1.31	1.33	1.58	1.16	1.00	0.56	0.53	0.55			
85	0.42	0.42	0.42	0.42	0.42	0.41	0.41	0.48	0.35	0.35	0.35	0.36	0.36	0.36	0.35	0.35			
90	0.47	0.48	0.48	0.48	0.46	0.45	0.43	0.45	0.38	0.36	0.37	0.37	0.39	0.40	0.41	0.39			
95	0.62	0.65	0.65	0.64	0.61	0.58	0.56	0.57	0.50	0.48	0.48	0.49	0.53	0.55	0.56	0.54			
100	0.91	0.93	0.95	0.91	0.88	0.81	0.79	0.79	0.71	0.69	0.68	0.71	0.75	0.80	0.82	0.81			
105	1.37	1.39	1.45	1.36	1.32	1.21	1.18	1.18	1.07	1.06	1.03	1.09	1.14	1.25	1.26	1.25			
110	2.05	2.09	2.16	2.05	1.98	1.82	1.78	1.79	1.65	1.63	1.58	1.68	1.74	1.90	1.92	1.91			
115	3.03	3.06	3.16	3.00	2.91	2.69	2.65	2.65	2.49	2.46	2.38	2.51	2.61	2.83	2.85	2.85			
120	4.29	4.33	4.46	4.26	4.14	3.85	3.80	3.81	3.62	3.58	3.49	3.66	3.79	4.06	4.09	4.08			
125	5.85	5.89	6.05	5.80	5.65	5.31	5.26	5.27	5.06	5.01	4.90	5.10	5.26	5.57	5.62	5.59			
130	7.64	7.68	7.83	7.60	7.42	7.05	6.97	7.00	6.75	6.68	6.57	6.80	7.00	7.34	7.40	7.35			
135	9.57	9.62	9.77	9.55	9.35	8.95	8.87	8.89	8.64	8.50	8.43	8.65	8.90	9.24	9.31	9.22			
140	11.5	11.6	11.8	11.6	11.4	11.0	10.9	10.9	10.6	10.4	10.4	10.6	10.9	11.2	11.3	11.1			
145	13.4	13.4	13.6	13.5	13.3	12.9	12.8	12.8	12.4	12.3	12.3	12.5	12.8	13.1	13.1	13.0			
150	15.0	15.1	15.3	15.1	15.0	14.6	14.5	14.5	14.1	14.0	14.0	14.2	14.5	14.7	14.7	14.6			
155	16.3	16.3	16.5	16.4	16.3	16.0	15.9	15.9	15.5	15.3	15.4	15.7	15.9	16.1	15.9	15.8			
160	17.1	17.1	17.3	17.3	17.3	17.0	16.8	16.8	16.5	16.4	16.5	16.8	17.0	17.0	16.8	16.7			
165	17.7	17.7	17.9	17.9	17.9	17.7	17.7	17.6	17.3	17.2	17.3	17.5	17.7	17.7	17.4	17.4			
170	18.3	18.3	18.5	18.5	18.5	18.4	18.4	18.4	18.1	18.1	18.1	18.1	18.3	18.3	18.2	18.1			
175	18.8	18.9	19.0	19.0	18.9	19.0	19.1	18.9	18.8	18.8	18.9	18.8	18.8	19.0	19.0	18.7			
180	19.2	19.2	19.4	19.2	19.2	19.3	19.4	19.2	19.2	19.2	19.4	19.2	19.3	19.3	19.4	19.2			

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