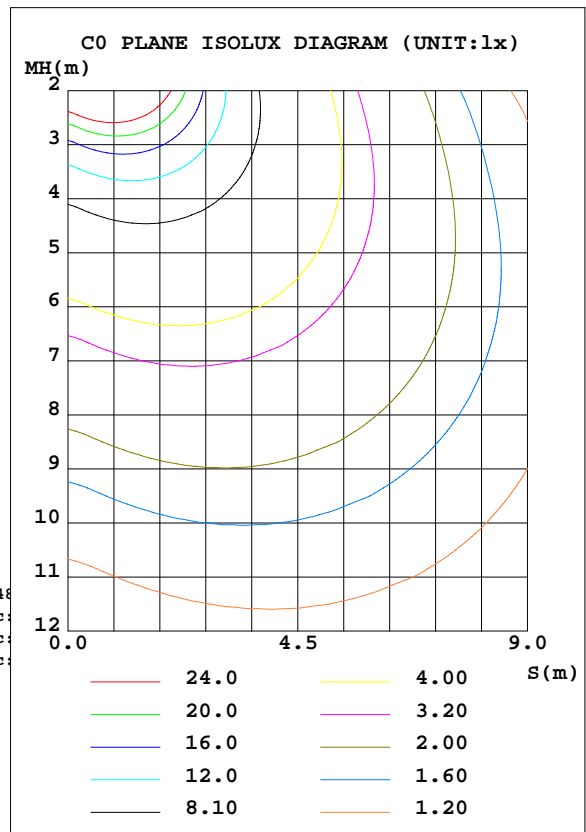
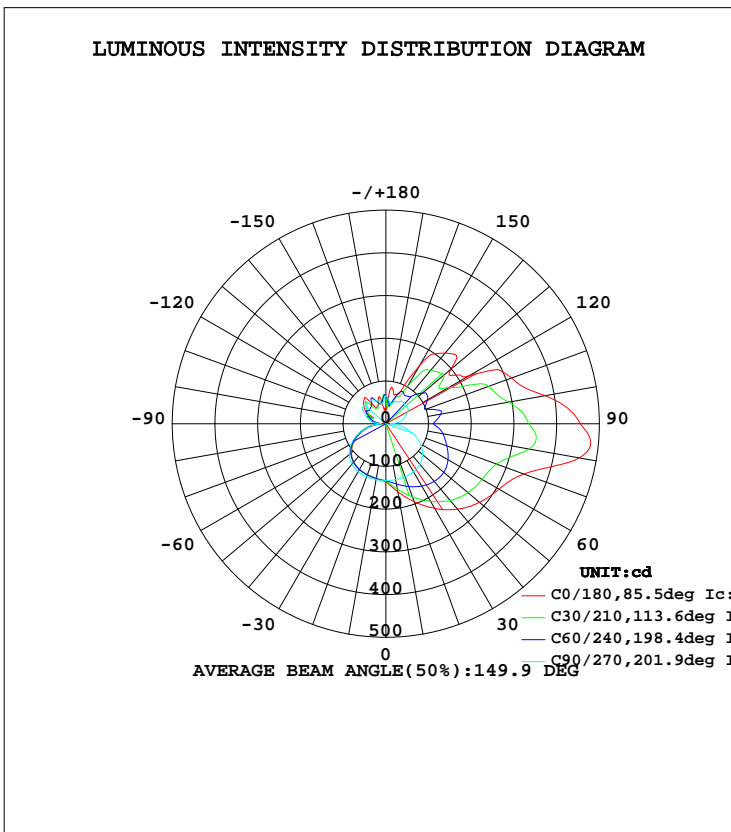


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:119.9V I:0.1976A P:23.37W PF:0.9868 Lamp Flux:1542.3x1 lm		
NAME: 4905BN	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 66.00 lm/W			
MODEL	4905BN-24	I <sub>max</sub> (cd)	482.0	S/MH(C0/180)	1.37
NOMINAL POWER(W)	22	LOR(%)	100.0	S/MH(C90/270)	1.47
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1542.3	η UP, DN(C0-180)	22.1, 31.8
NOMINAL FLUX(lm)	1542.3	CIE CLASS	DIFFUSE	η UP, DN(C180-360)	18.6, 27.4
LAMPS INSIDE	1	η up(%)	40.7	CIBSE SHR NOM	1.75
TEST VOLTAGE(V)		η down(%)	59.3	CIBSE SHR MAX	1.75



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-05-12

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum, lamp
10	161.6	150.3	132.8	127.8	130.3	130.2	132.8	147.3	0- 10	13.02	13.02	0.84,0.84
20	194.1	170.8	132.2	124.8	127.0	127.3	132.1	167.2	10- 20	40.52	53.54	3.47,3.47
30	228.6	191.2	129.9	121.2	123.7	123.2	129.5	186.8	20- 30	69.74	123.3	7.99,7.99
40	261.1	207.5	123.8	115.5	117.4	117.3	123.5	202.6	30- 40	98.52	221.8	14.4,14.4
50	286.2	216.2	112.1	105.2	105.2	106.8	111.8	211.0	40- 50	122.7	344.5	22.3,22.3
60	306.2	215.6	93.49	88.35	86.77	89.79	93.50	210.7	50- 60	137.6	482.1	31.3,31.3
70	344.2	213.1	67.97	65.43	62.41	66.75	68.29	209.2	60- 70	141.9	624.0	40.5,40.5
80	459.9	230.1	38.40	38.09	36.11	39.02	39.06	226.8	70- 80	145.9	769.8	49.9,49.9
90	454.9	215.2	11.44	11.60	10.45	12.04	11.78	213.8	80- 90	144.0	913.9	59.3,59.3
100	378.6	207.6	35.12	29.31	25.39	29.80	35.68	207.4	90-100	130.8	1045	67.7,67.7
110	314.0	183.5	47.58	32.12	46.18	33.59	48.46	190.3	100-110	123.5	1168	75.7,75.7
120	225.3	126.9	59.26	49.24	50.10	52.06	61.71	127.2	110-120	103.0	1271	82.4,82.4
130	199.5	145.7	64.25	62.25	67.95	63.06	67.61	149.7	120-130	87.03	1358	88.1,88.1
140	216.0	136.2	64.73	48.90	78.33	50.19	62.88	138.3	130-140	78.09	1436	93.1,93.1
150	155.0	80.26	59.67	51.13	43.82	53.43	61.70	78.75	140-150	54.89	1491	96.7,96.7
160	71.84	69.28	53.49	52.35	50.49	54.65	57.11	71.98	150-160	30.31	1521	98.6,98.6
170	85.51	40.72	52.51	55.87	48.24	54.38	48.87	41.96	160-170	15.65	1537	99.7,99.7
180	35.39	64.03	64.89	60.90	35.50	63.70	65.19	60.96	170-180	5.175	1542	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

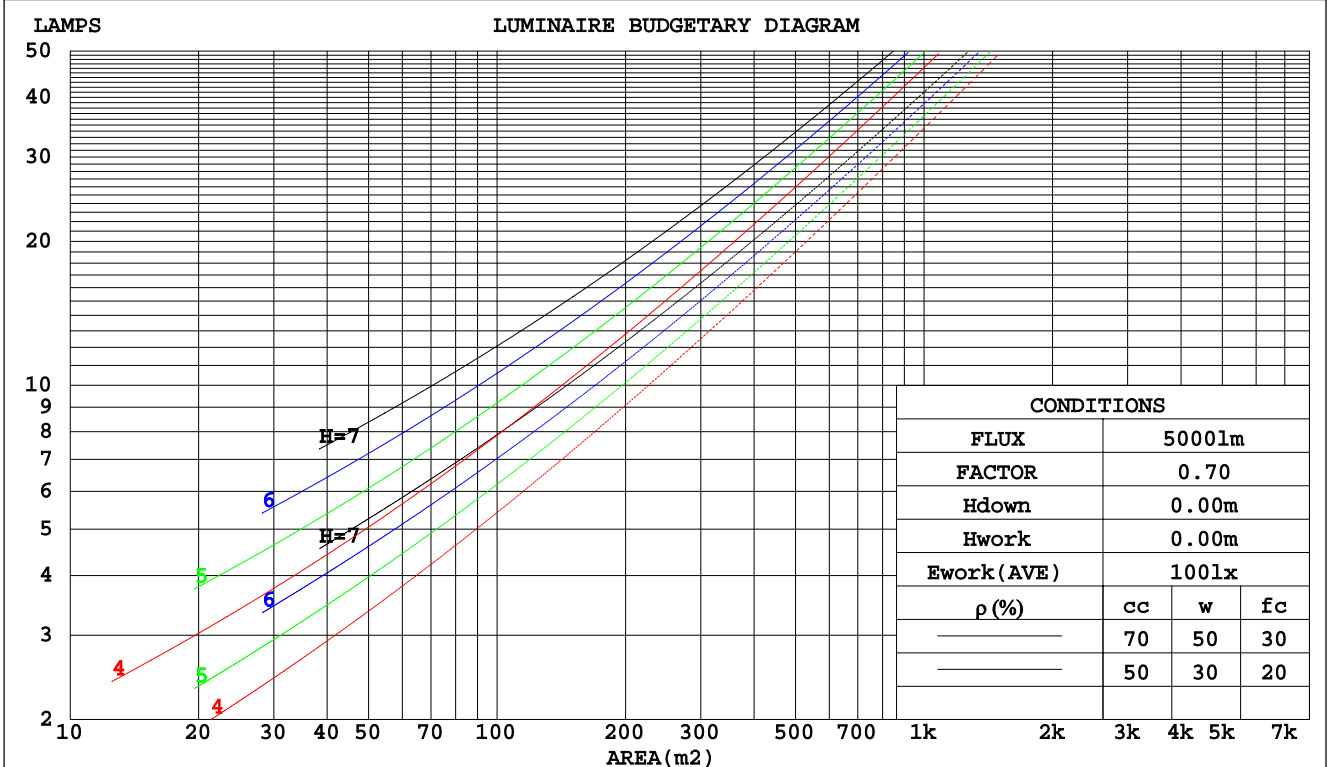
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-05-12

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

Test:U:119.9V I:0.1976A P:23.37W PF:0.9868 Lamp Flux:1542.3x1 lm		
NAME: 4905BN	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.09	1.09	1.09	1.02	1.02	1.02	.88	.88	.88	.76	.76	.76	.65	.65	.65	.59
1.0	.89	.83	.78	.83	.78	.73	.71	.67	.63	.60	.57	.54	.50	.48	.46	.41
2.0	.75	.67	.60	.70	.63	.56	.60	.54	.49	.50	.46	.42	.41	.38	.35	.31
3.0	.65	.56	.48	.60	.52	.45	.51	.45	.39	.43	.38	.34	.35	.31	.28	.24
4.0	.56	.47	.40	.52	.44	.37	.45	.38	.32	.37	.32	.28	.31	.27	.23	.19
5.0	.50	.40	.33	.46	.38	.31	.39	.32	.27	.33	.28	.23	.27	.23	.19	.16
6.0	.44	.35	.28	.41	.33	.27	.35	.28	.23	.30	.24	.20	.24	.20	.16	.13
7.0	.40	.31	.24	.37	.29	.23	.32	.25	.20	.27	.21	.17	.22	.18	.14	.12
8.0	.36	.27	.21	.33	.25	.20	.29	.22	.17	.24	.19	.15	.20	.16	.12	.10
9.0	.33	.24	.19	.30	.23	.18	.26	.20	.15	.22	.17	.13	.19	.14	.11	.09
10.0	.30	.22	.17	.28	.21	.16	.24	.18	.14	.20	.15	.12	.17	.13	.10	.08



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2020-05-12

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity: 65.0%  
 Test Distance: 7.500m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:119.9V I:0.1976A P:23.37W PF:0.9868 Lamp Flux:1542.3x1 lm		
NAME: 4905BN	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.408	.232	.074	.389	.222	.070	.352	.202	.064	.318	.183	.059	.287	.166	.054	
2.0	.343	.188	.058	.325	.179	.055	.292	.162	.050	.261	.146	.046	.232	.131	.041	
3.0	.300	.160	.048	.284	.152	.046	.253	.137	.042	.225	.123	.038	.199	.110	.034	
4.0	.268	.139	.041	.253	.132	.039	.225	.119	.036	.199	.107	.032	.175	.095	.029	
5.0	.242	.123	.036	.228	.117	.034	.203	.105	.031	.179	.094	.028	.156	.083	.025	
6.0	.221	.111	.032	.208	.105	.030	.185	.095	.028	.162	.084	.025	.142	.075	.022	
7.0	.203	.100	.028	.191	.095	.027	.169	.086	.025	.149	.076	.022	.130	.067	.020	
8.0	.188	.092	.026	.177	.087	.025	.157	.078	.022	.138	.070	.020	.120	.061	.018	
9.0	.175	.084	.024	.165	.080	.023	.146	.072	.020	.128	.064	.018	.111	.056	.016	
10.0	.163	.078	.022	.154	.074	.021	.136	.067	.019	.120	.059	.017	.104	.052	.015	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.501	.501	.501	.428	.428	.428	.292	.292	.292	.168	.168	.168	.054	.054	.054	
1.0	.500	.468	.440	.428	.402	.378	.293	.276	.262	.168	.160	.152	.054	.052	.049	
2.0	.494	.447	.407	.423	.385	.352	.290	.266	.245	.167	.155	.144	.054	.050	.047	
3.0	.487	.431	.387	.418	.372	.335	.287	.258	.235	.166	.151	.139	.053	.049	.045	
4.0	.480	.420	.374	.412	.363	.325	.283	.253	.229	.164	.148	.135	.053	.048	.044	
5.0	.472	.410	.365	.406	.355	.317	.279	.248	.224	.162	.146	.133	.052	.048	.044	
6.0	.465	.403	.358	.400	.349	.312	.276	.244	.221	.160	.144	.131	.052	.047	.043	
7.0	.458	.397	.354	.394	.344	.308	.272	.241	.218	.158	.142	.130	.051	.047	.043	
8.0	.451	.391	.350	.389	.340	.305	.269	.238	.217	.156	.141	.129	.051	.046	.043	
9.0	.445	.387	.347	.384	.336	.303	.266	.236	.215	.155	.139	.128	.050	.046	.043	
10.0	.440	.383	.345	.379	.333	.301	.263	.234	.214	.153	.138	.128	.050	.045	.042	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-05-12

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:119.9V I:0.1976A P:23.37W PF:0.9868 Lamp Flux:1542.3x1 lm										
NAME: 4905BN					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.:					SUR.:			PROTECTION 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	18.1	19.3	18.9	20.1	21.0	13.4	14.5	14.1	15.3	16.3
3H	21.9	23.0	22.7	23.8	24.8	15.2	16.3	16.0	17.1	18.1
4H	24.4	25.4	25.2	26.2	27.3	16.0	17.0	16.8	17.9	18.9
6H	27.3	28.2	28.1	29.1	30.2	16.7	17.7	17.5	18.5	19.6
8H	28.9	29.8	29.7	30.7	31.7	17.0	17.9	17.8	18.8	19.9
12H	30.6	31.4	31.4	32.3	33.4	17.2	18.1	18.1	19.0	20.1
4H 2H	18.6	19.6	19.4	20.4	21.5	15.6	16.6	16.4	17.4	18.5
3H	22.7	23.6	23.5	24.4	25.5	17.6	18.5	18.5	19.4	20.5
4H	25.3	26.1	26.2	27.0	28.1	18.6	19.4	19.5	20.3	21.4
6H	28.5	29.2	29.4	30.2	31.3	19.4	20.2	20.3	21.1	22.2
8H	30.2	30.9	31.1	31.8	33.0	19.8	20.4	20.7	21.4	22.5
12H	32.1	32.7	33.0	33.6	34.8	20.0	20.7	21.0	21.6	22.8
8H 4H	25.6	26.3	26.5	27.2	28.4	20.9	21.5	21.8	22.4	23.6
6H	29.2	29.7	30.1	30.7	31.8	22.1	22.7	23.0	23.6	24.8
8H	31.1	31.6	32.0	32.6	33.8	22.6	23.1	23.6	24.1	25.3
12H	33.2	33.7	34.2	34.6	35.9	23.0	23.5	24.0	24.5	25.7
12H 4H	25.6	26.2	26.5	27.2	28.3	21.9	22.5	22.8	23.5	24.6
6H	29.2	29.7	30.2	30.7	31.9	23.5	24.0	24.4	24.9	26.1
8H	31.3	31.7	32.2	32.7	33.9	24.2	24.6	25.1	25.6	26.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.3 / - 0.3					+ 0.2 / - 0.2				
2.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4				

CIE Pub.117 Corrected 1542 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.5)

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-05-12

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:119.9V I:0.1976A P:23.37W PF:0.9868 Lamp Flux:1542.3x1 lm		
NAME: 4905BN	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

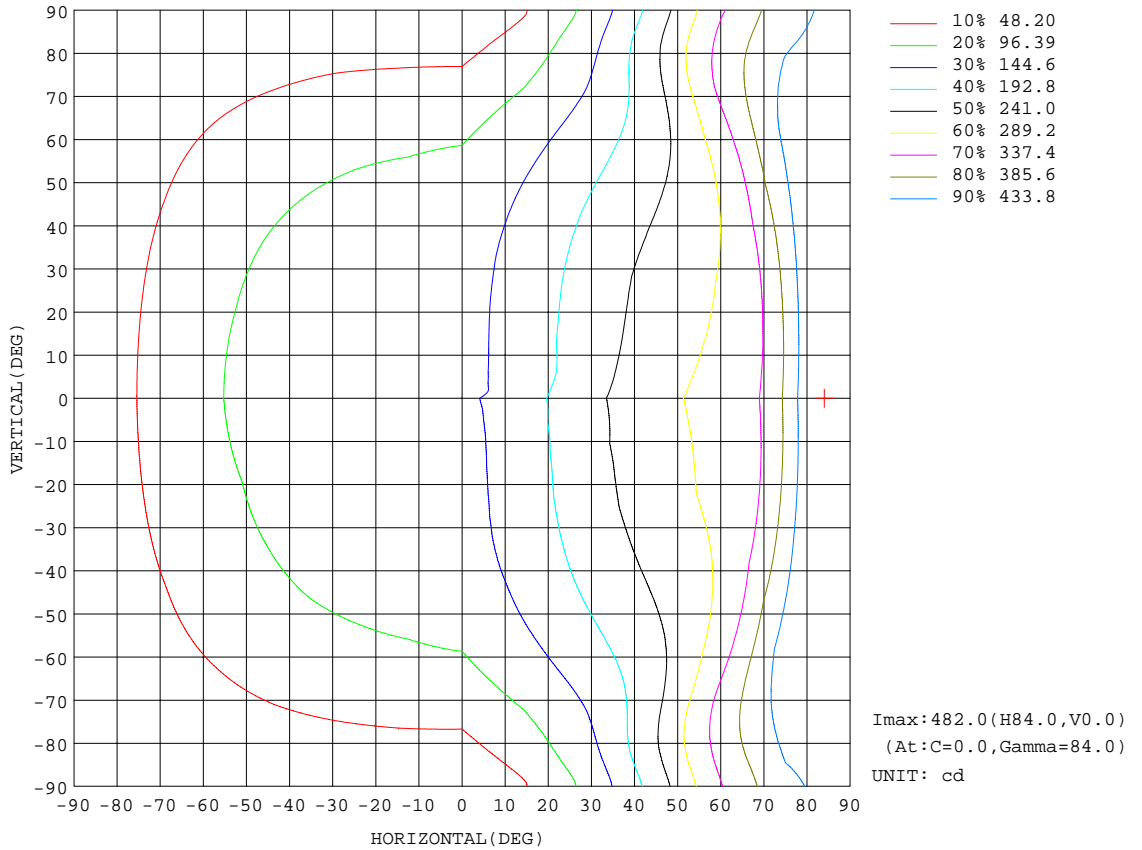
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	39	26	19	37	25	18	34	24	17	10
0.80	48	34	26	45	33	25	41	30	23	14
1.00	55	41	32	52	39	31	46	38	29	18
1.25	62	48	39	58	46	37	52	41	34	21
1.50	67	54	44	63	51	42	55	46	38	24
2.00	75	62	53	70	59	50	61	52	45	29
2.50	80	68	59	74	64	56	65	57	50	32
3.00	84	73	64	78	69	61	68	61	54	35
4.00	89	80	72	83	75	68	72	66	60	39
5.00	92	84	77	86	79	73	74	69	64	41
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-05-12

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

Test:U:119.9V I:0.1976A P:23.37W PF:0.9868 Lamp Flux:1542.3x1 lm		
NAME: 4905BN	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

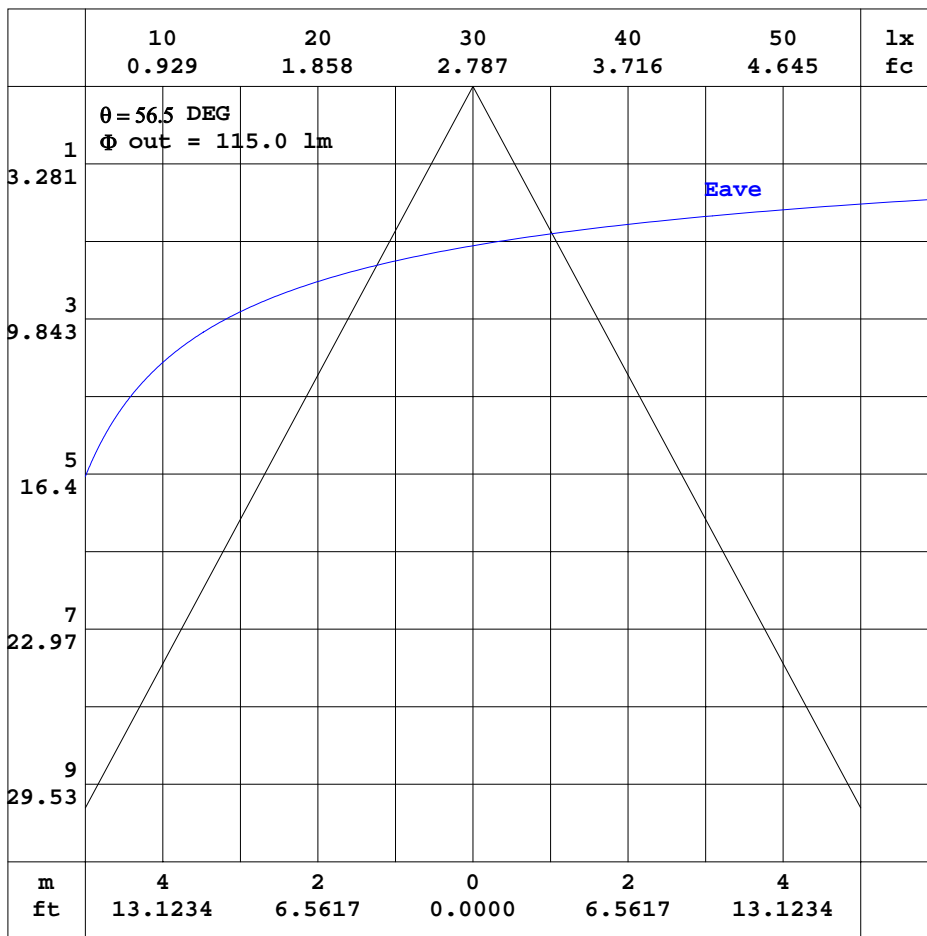


C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2020-05-12

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity: 65.0%  
 Test Distance: 7.500m [K=1.0000]  
 Remarks:

AAI CURVES

Test:U:119.9V I:0.1976A P:23.37W PF:0.9868 Lamp Flux:1542.3x1 lm		
NAME: 4905BN	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



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

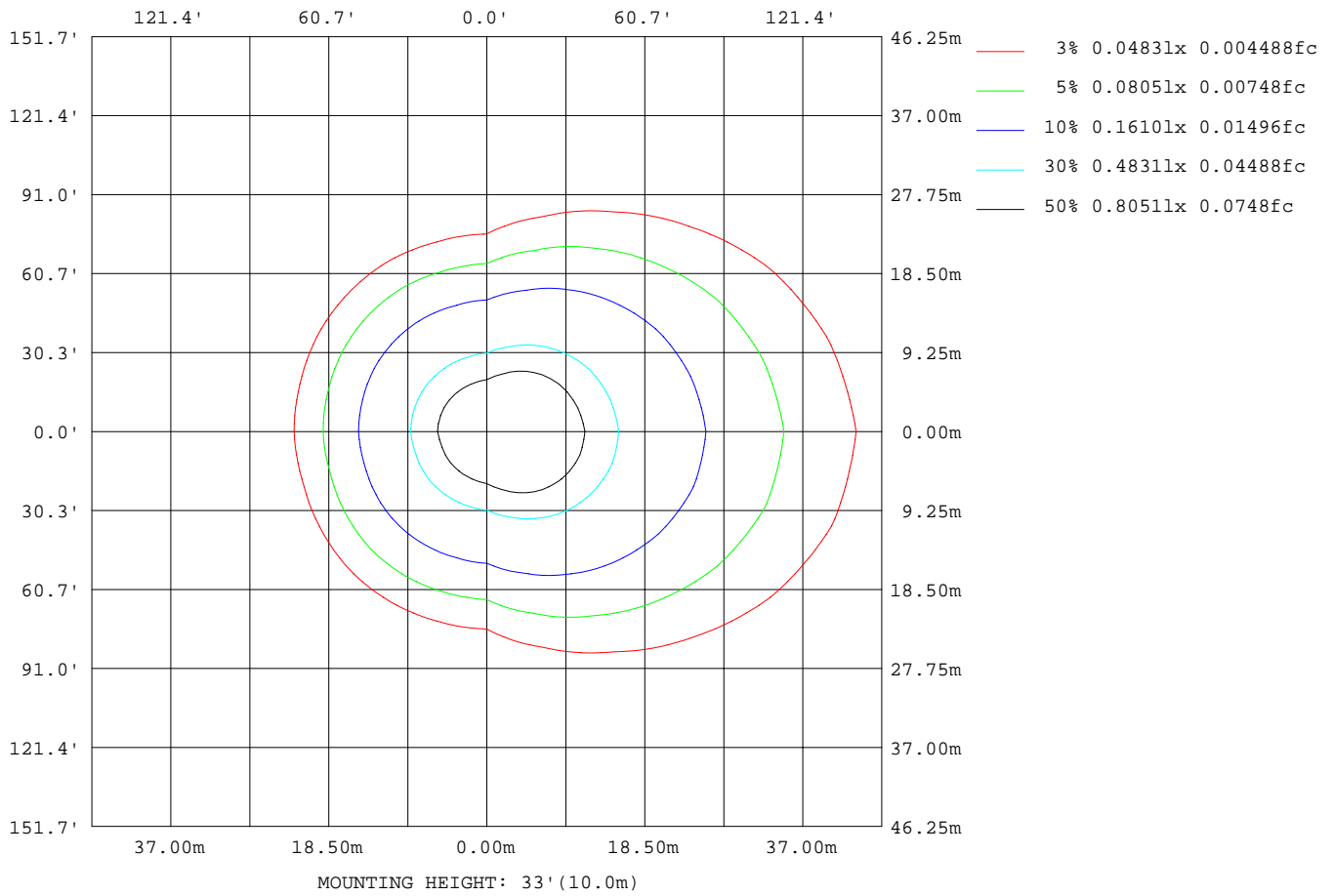
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2020-05-12

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity: 65.0%  
 Test Distance: 7.500m [K=1.0000]  
 Remarks:



**ISOLUX DIAGRAM**

Test:U:119.9V I:0.1976A P:23.37W PF:0.9868 Lamp Flux:1542.3x1 lm		
NAME: 4905BN	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2020-05-12

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity: 65.0%  
 Test Distance: 7.500m [K=1.0000]  
 Remarks:

LED Avg.L Report

Test:U:119.9V I:0.1976A P:23.37W PF:0.9868 Lamp Flux:1542.3x1 lm		
NAME: 4905BN	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

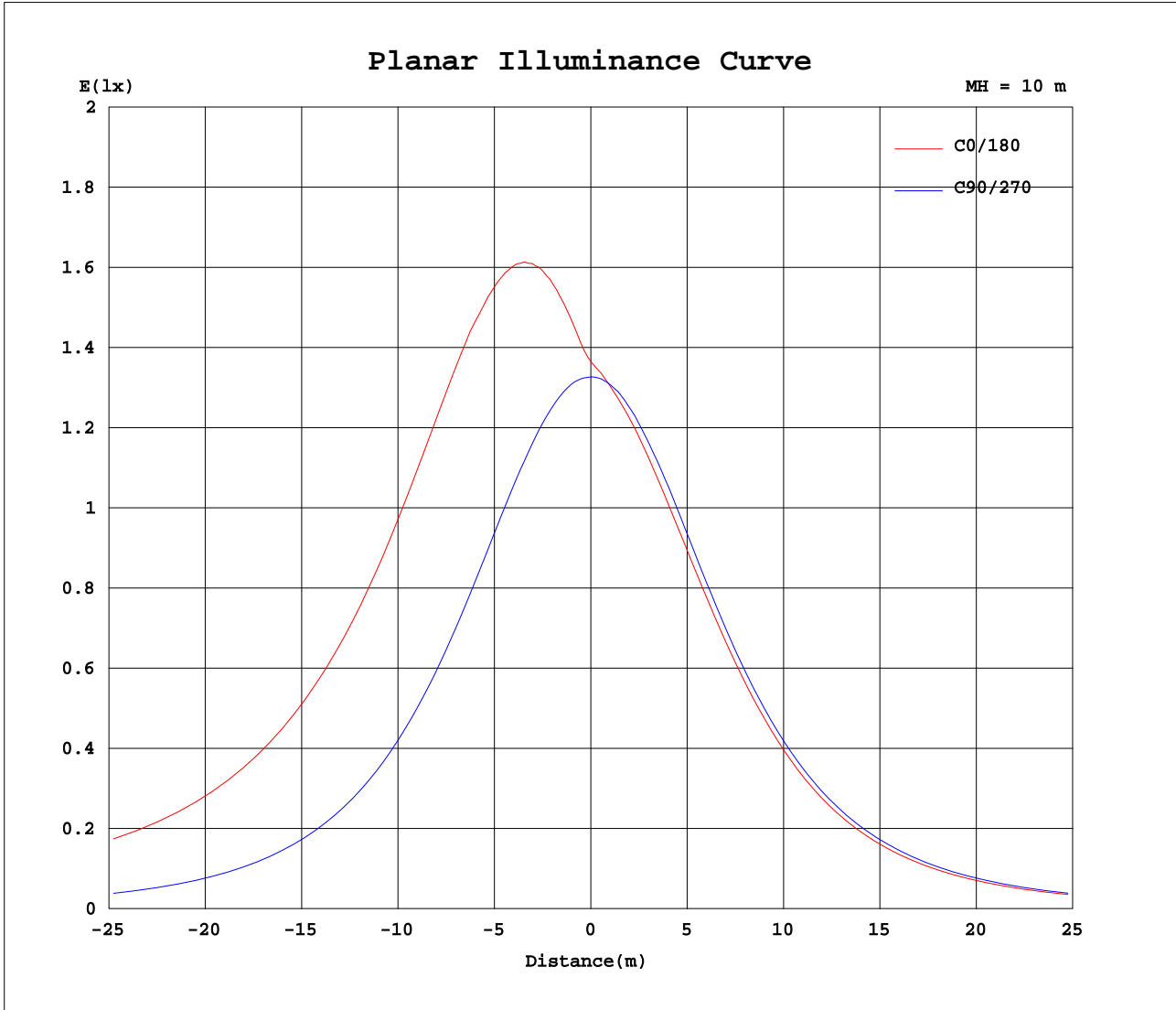
AvgL	cd/m2
L_0~180(65)av	4664
L_0~180(75)av	8577
L_0~180(85)av	28937
L_90~270(65)av	1931
L_90~270(75)av	2072
L_90~270(85)av	2682
L_45(65)av	3427
L_45(75)av	5201
L_45(85)av	14587

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-05-12

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2020-05-12

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity: 65.0%  
 Test Distance: 7.500m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.9V I:0.1976A P:23.37W PF:0.9868 Lamp Flux:1542.3x1 lm		
NAME: 4905BN	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C( DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	136	136	135	135	134	133	133	132	132	132	133	132	136	136	135	135	134	133	133
5	147	146	143	141	137	135	133	131	130	130	129	129	133	133	132	132	132	132	133
10	162	160	156	150	143	137	133	130	129	128	127	126	130	130	130	130	130	131	133
15	177	175	169	160	150	139	133	130	127	126	126	125	129	129	128	129	129	130	132
20	194	191	182	171	156	142	132	128	126	125	124	123	127	127	127	127	128	129	132
25	211	207	196	181	163	145	131	127	125	123	122	122	125	125	125	126	126	128	131
30	229	224	210	191	168	146	130	125	123	121	120	120	124	123	123	123	124	126	130
35	246	239	223	200	173	147	127	122	120	119	118	117	121	121	121	121	121	123	127
40	261	253	235	207	176	146	124	119	116	116	115	114	117	117	117	117	118	119	124
45	275	266	244	213	178	144	119	114	112	111	110	109	112	112	113	113	113	114	119
50	286	277	251	216	177	140	112	108	106	105	103	102	105	105	106	107	107	108	112
55	297	286	256	217	174	134	104	99.6	98.2	97.6	95.4	93.9	96.9	96.8	98.2	99.1	99.6	99.7	103
60	306	294	260	216	168	126	93.5	90.1	89.3	88.3	85.9	84.0	86.8	86.8	88.8	89.8	90.7	90.2	93.5
65	319	304	265	214	161	116	81.6	79.1	78.6	77.6	74.8	72.7	75.1	75.4	77.6	79.0	80.1	79.2	81.6
70	344	325	276	213	152	104	68.0	67.0	66.6	65.4	62.4	60.3	62.4	62.7	65.1	66.8	68.1	67.1	68.3
75	395	368	302	218	144	90.4	53.3	53.8	53.2	52.0	49.3	47.5	49.3	49.6	51.7	53.1	54.7	53.9	53.9
80	460	427	340	230	136	75.7	38.4	39.5	38.8	38.1	35.9	34.6	36.1	36.3	38.1	39.0	40.1	39.5	39.1
85	482	449	353	231	125	60.2	22.9	24.2	24.2	23.9	22.3	21.5	22.8	22.8	24.2	24.6	25.4	24.3	23.8
90	455	425	334	215	112	47.6	11.4	12.2	12.1	11.6	10.7	10.1	10.4	10.7	11.6	12.0	12.7	12.4	11.8
95	427	400	320	214	121	60.0	24.1	20.3	19.8	17.9	16.6	15.1	14.4	15.3	16.4	18.3	19.5	20.9	24.0
100	379	358	292	208	131	75.1	35.1	29.5	31.2	29.3	27.9	26.0	25.4	26.4	27.6	29.8	31.0	30.3	35.7
105	334	318	268	203	126	75.4	42.1	36.7	32.2	39.3	38.8	36.7	36.2	37.2	38.8	39.2	33.3	37.7	42.5
110	314	299	256	184	98.7	72.3	47.6	42.8	37.5	32.1	36.9	44.7	46.2	45.3	42.0	33.6	38.4	44.2	48.5
115	295	280	214	142	103	75.6	53.1	49.0	45.4	43.8	36.7	30.6	32.8	32.3	36.7	44.8	46.1	50.4	54.2
120	225	207	169	127	112	82.3	59.3	55.5	53.1	49.2	46.0	50.8	50.1	48.9	47.7	52.1	53.0	56.7	61.7
125	199	181	151	146	118	84.0	62.7	56.2	54.3	55.2	52.0	56.5	60.9	55.7	53.7	57.2	53.9	59.1	67.1
130	199	190	177	146	112	82.5	64.2	57.8	49.2	62.2	58.5	62.0	67.9	61.2	60.8	63.1	50.0	61.2	67.6
135	230	205	172	146	97.7	77.0	63.3	57.9	51.4	57.7	64.4	66.7	73.6	66.8	67.5	57.6	51.6	57.7	63.1
140	216	191	163	136	83.5	75.8	64.7	59.4	53.8	48.9	55.4	71.0	78.3	71.8	62.5	50.2	53.2	57.4	62.9
145	200	177	149	105	80.2	81.5	64.4	58.7	60.1	49.9	39.7	47.9	60.2	49.3	44.7	51.3	58.8	59.3	63.8
150	155	133	101	80.3	83.3	78.1	59.7	56.7	68.0	51.1	41.1	39.9	43.8	39.5	42.3	53.4	69.2	58.0	61.7
155	89.0	77.4	70.2	75.3	83.3	67.6	57.8	55.0	56.1	54.3	44.5	41.2	45.3	40.3	44.3	58.8	61.8	56.0	58.9
160	71.8	68.2	63.7	69.3	67.7	57.7	53.5	50.7	48.6	52.4	52.9	50.3	50.5	47.1	53.6	54.7	53.3	54.5	57.1
165	71.9	68.0	51.0	51.9	50.4	48.1	46.1	46.1	47.9	48.6	53.3	62.1	65.4	58.3	54.0	50.3	47.7	47.0	49.0
170	85.5	64.3	46.5	40.7	44.4	51.8	52.5	53.7	55.1	55.9	54.1	55.4	48.2	53.9	52.6	54.4	52.2	50.0	48.9
175	57.6	37.8	36.5	51.7	55.7	56.0	58.6	61.3	65.7	70.0	68.3	58.5	34.5	58.1	68.3	69.2	64.1	58.9	55.3
180	35.4	37.4	59.3	64.0	65.5	65.4	64.9	64.7	64.6	60.9	55.2	35.2	35.5	37.0	59.4	63.7	65.7	65.1	65.2

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-05-12

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.9V I:0.1976A P:23.37W PF:0.9868 Lamp Flux:1542.3x1 lm		
NAME: 4905BN	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C (DEG) \ γ (DEG)	285	300	315	330	345														
0	132	132	132	133	132														
5	134	136	138	140	141														
10	136	142	147	152	154														
15	139	148	157	165	169														
20	141	154	167	178	184														
25	143	160	177	192	200														
30	145	166	187	205	216														
35	145	170	195	217	232														
40	145	173	203	229	246														
45	142	175	208	238	258														
50	138	174	211	245	269														
55	132	171	212	251	277														
60	124	166	211	255	285														
65	114	159	209	260	296														
70	103	151	209	271	316														
75	89.6	143	215	296	357														
80	75.1	136	227	334	415														
85	59.9	125	229	350	439														
90	47.7	111	214	332	417														
95	60.2	120	213	318	393														
100	75.5	130	207	292	352														
105	76.8	132	204	269	313														
110	73.5	106	190	256	294														
115	77.0	105	149	221	277														
120	82.8	114	127	172	207														
125	85.1	118	150	149	182														
130	84.1	121	150	181	188														
135	77.8	104	149	178	210														
140	74.8	85.5	138	168	196														
145	79.7	81.4	109	150	181														
150	81.7	84.6	78.8	104	135														
155	71.9	87.4	74.9	67.6	80.6														
160	61.0	72.9	72.0	65.4	68.5														
165	50.5	54.3	56.2	54.1	67.4														
170	48.9	42.8	42.0	49.5	66.1														
175	52.9	52.7	48.6	39.7	42.5														
180	64.6	64.8	61.0	55.4	35.2														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020-05-12

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: GO-2000B\_V1 SYSTEM V2.0.291  
 Humidity:65.0%  
 Test Distance:7.500m [K=1.0000]  
 Remarks: