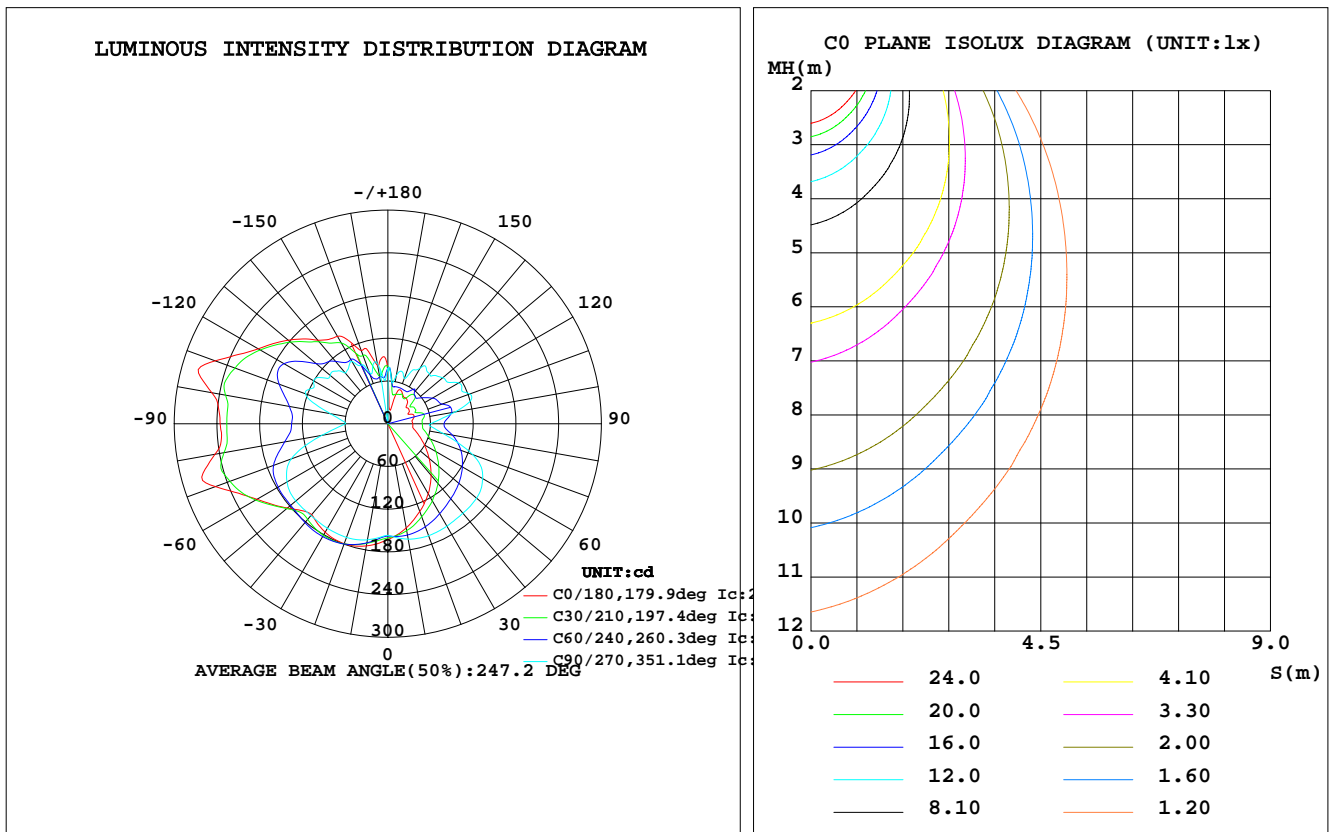


**LUMINAIRE PHOTOMETRIC TEST REPORT**

Test:U:119.8V I:0.1972A P:23.18W PF:0.9807 Lamp Flux:1563.93x1 lm		
NAME: 4902BN-3	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 67.46 lm/W			
MODEL	4902BN-3	I <sub>max</sub> (cd)	288.3	S/MH(C0/180)	1.58
NOMINAL POWER(W)	25	LOR(%)	100.0	S/MH(C90/270)	1.63
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1563.9	η UP, DN(C0-180)	19.7, 26.5
NOMINAL FLUX(lm)	1563.93	CIE CLASS	DIFFUSE	η UP, DN(C180-360)	23.5, 30.3
LAMPS INSIDE	1	η up(%)	43.2	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)		η down(%)	56.8	CIBSE SHR MAX	1.55



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-09-12

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	148.6	155.4	164.5	167.1	174.2	170.4	165.5	153.3	0- 10	15.29	15.29	0.98,0.98
20	131.2	146.3	167.4	176.4	179.3	180.8	169.9	146.6	10- 20	45.89	61.18	3.91,3.91
30	113.5	134.9	166.0	178.7	176.0	183.6	169.7	136.3	20- 30	73.67	134.9	8.62,8.62
40	94.50	124.6	164.1	174.8	166.8	179.7	168.3	126.8	30- 40	96.05	230.9	14.8,14.8
50	75.72	112.0	162.7	168.8	184.2	174.9	168.7	116.0	40- 50	113.8	344.7	22,22
60	59.21	99.16	153.8	172.1	212.3	184.3	163.6	105.1	50- 60	131.1	475.8	30.4,30.4
70	45.87	85.67	126.5	172.9	258.1	190.0	144.3	93.48	60- 70	143.8	619.6	39.6,39.6
80	36.32	71.41	78.70	168.6	246.6	185.7	94.29	79.46	70- 80	142.5	762.1	48.7,48.7
90	35.01	65.53	59.88	165.4	235.7	182.3	59.64	70.05	80- 90	126.1	888.3	56.8,56.8
100	35.69	70.95	95.65	167.6	251.2	183.0	82.15	74.45	90-100	126.0	1014	64.9,64.9
110	38.10	63.50	122.4	169.5	258.3	184.7	123.0	70.85	100-110	137.8	1152	73.7,73.7
120	35.12	51.35	114.9	167.3	210.6	178.7	120.5	57.54	110-120	122.7	1275	81.5,81.5
130	35.02	55.85	100.8	149.3	182.7	161.5	105.8	51.53	120-130	98.51	1373	87.8,87.8
140	42.54	47.84	91.42	138.1	153.3	144.3	93.16	47.70	130-140	75.29	1449	92.6,92.6
150	44.14	52.23	90.03	99.52	141.8	112.8	101.6	55.38	140-150	55.33	1504	96.2,96.2
160	50.88	49.16	68.01	81.57	109.6	95.67	77.33	50.11	150-160	35.63	1539	98.4,98.4
170	19.77	48.40	68.92	59.59	82.97	64.27	86.01	51.63	160-170	18.39	1558	99.6,99.6
180	72.14	79.50	77.45	78.59	72.03	78.95	77.94	78.64	170-180	6.048	1564	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

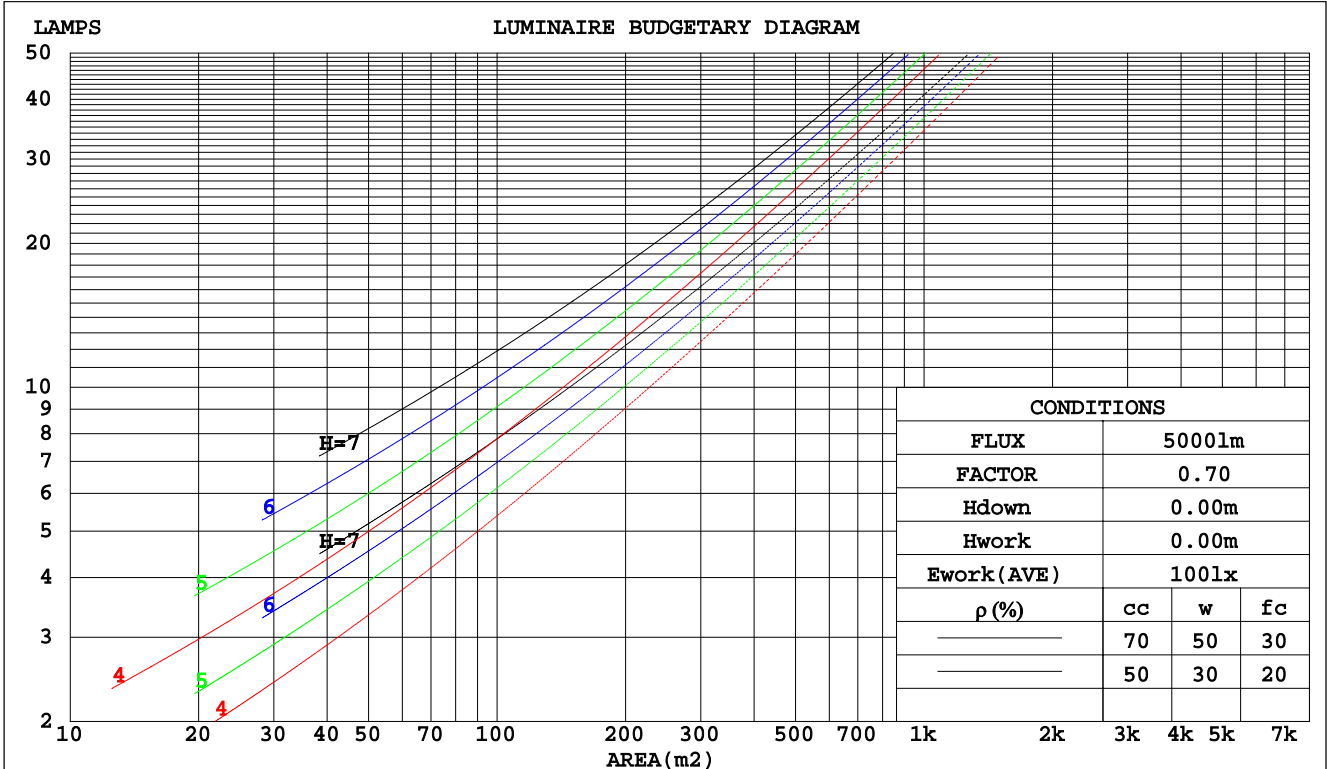
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-09-12

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:119.8V I:0.1972A P:23.18W PF:0.9807 Lamp Flux:1563.93x1 lm		
NAME: 4902BN-3	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	1.01	1.01	1.01	.87	.87	.87	.74	.74	.74	.62	.62	.62	.57
1.0	.89	.84	.79	.83	.78	.73	.70	.67	.63	.59	.56	.54	.49	.47	.45	.40
2.0	.76	.68	.61	.70	.63	.57	.59	.54	.49	.50	.45	.42	.41	.37	.35	.30
3.0	.65	.56	.49	.60	.52	.46	.51	.45	.40	.43	.38	.34	.35	.31	.28	.24
4.0	.57	.48	.40	.53	.44	.38	.45	.38	.33	.37	.32	.28	.30	.26	.23	.19
5.0	.50	.41	.34	.47	.38	.32	.40	.33	.28	.33	.28	.23	.27	.23	.19	.16
6.0	.45	.36	.29	.41	.33	.27	.35	.29	.24	.30	.24	.20	.24	.20	.17	.14
7.0	.40	.31	.25	.37	.29	.24	.32	.25	.20	.27	.21	.17	.22	.18	.14	.12
8.0	.36	.28	.22	.34	.26	.21	.29	.22	.18	.24	.19	.15	.20	.16	.13	.10
9.0	.33	.25	.19	.31	.23	.18	.26	.20	.16	.22	.17	.14	.18	.14	.11	.09
10.0	.30	.22	.17	.28	.21	.16	.24	.18	.14	.21	.16	.12	.17	.13	.10	.08



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2019-09-12

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:119.8V I:0.1972A P:23.18W PF:0.9807 Lamp Flux:1563.93x1 lm		
NAME: 4902BN-3	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	.393	.223	.071	.373	.213	.068	.334	.192	.061	.299	.173	.055	.267	.155	.050	
2.0	.334	.183	.056	.315	.174	.054	.281	.156	.048	.248	.139	.044	.219	.124	.039	
3.0	.294	.156	.047	.277	.148	.045	.245	.133	.040	.216	.118	.036	.188	.104	.032	
4.0	.263	.137	.040	.247	.129	.038	.218	.116	.035	.191	.103	.031	.166	.090	.027	
5.0	.238	.121	.035	.224	.115	.033	.197	.103	.030	.172	.091	.027	.149	.080	.024	
6.0	.217	.109	.031	.204	.103	.030	.180	.092	.027	.157	.081	.024	.135	.071	.021	
7.0	.200	.099	.028	.188	.094	.027	.165	.083	.024	.144	.074	.021	.124	.064	.019	
8.0	.185	.090	.025	.174	.086	.024	.153	.076	.022	.133	.067	.019	.114	.059	.017	
9.0	.172	.083	.023	.162	.079	.022	.142	.070	.020	.124	.062	.018	.106	.054	.016	
10.0	.161	.077	.021	.151	.073	.020	.133	.065	.018	.116	.057	.016	.099	.050	.014	

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	.520	.520	.520	.444	.444	.444	.303	.303	.303	.174	.174	.174	.056	.056	.056	
1.0	.518	.487	.460	.443	.418	.396	.303	.288	.274	.174	.166	.159	.056	.054	.051	
2.0	.512	.466	.427	.438	.401	.369	.301	.277	.257	.173	.161	.151	.056	.052	.049	
3.0	.505	.450	.407	.433	.389	.353	.297	.270	.247	.172	.158	.146	.055	.051	.048	
4.0	.498	.439	.394	.427	.379	.342	.294	.264	.241	.170	.155	.142	.055	.050	.047	
5.0	.490	.429	.385	.421	.372	.335	.290	.260	.236	.168	.152	.140	.054	.050	.046	
6.0	.483	.422	.378	.415	.365	.329	.286	.256	.233	.166	.150	.139	.054	.049	.046	
7.0	.476	.416	.373	.410	.360	.325	.283	.253	.231	.164	.149	.137	.053	.049	.045	
8.0	.470	.411	.370	.404	.356	.323	.280	.250	.229	.163	.147	.136	.053	.048	.045	
9.0	.464	.406	.367	.399	.352	.320	.277	.248	.227	.161	.146	.136	.052	.048	.045	
10.0	.458	.402	.365	.395	.349	.318	.274	.246	.226	.160	.145	.135	.052	.048	.045	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-09-12

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:119.8V I:0.1972A P:23.18W PF:0.9807 Lamp Flux:1563.93x1 lm										
NAME: 4902BN-3					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	8.8	9.9	9.6	10.7	11.8	13.1	14.2	13.9	15.0	16.1
3H	10.5	11.5	11.3	12.4	13.5	16.0	17.0	16.8	17.8	18.9
4H	11.5	12.5	12.3	13.3	14.4	17.3	18.3	18.1	19.1	20.2
6H	12.6	13.5	13.5	14.4	15.5	18.4	19.4	19.3	20.2	21.3
8H	13.3	14.2	14.1	15.0	16.2	19.0	19.9	19.9	20.8	21.9
12H	14.2	15.0	15.0	15.9	17.0	19.6	20.5	20.5	21.4	22.5
4H 2H	10.4	11.4	11.2	12.2	13.3	13.4	14.4	14.2	15.2	16.3
3H	12.2	13.1	13.1	14.0	15.1	16.6	17.4	17.4	18.3	19.4
4H	13.3	14.0	14.2	14.9	16.1	18.1	18.9	19.0	19.8	21.0
6H	14.4	15.1	15.3	16.0	17.2	19.6	20.3	20.5	21.2	22.4
8H	15.1	15.7	16.0	16.7	17.9	20.3	21.0	21.2	21.9	23.1
12H	16.0	16.6	16.9	17.5	18.7	21.1	21.7	22.0	22.6	23.8
8H 4H	14.6	15.2	15.5	16.2	17.4	18.4	19.0	19.3	19.9	21.1
6H	16.0	16.5	16.9	17.5	18.7	20.2	20.8	21.2	21.7	22.9
8H	16.8	17.3	17.7	18.2	19.5	21.2	21.7	22.1	22.6	23.9
12H	17.8	18.2	18.7	19.2	20.4	22.2	22.7	23.2	23.6	24.9
12H 4H	15.0	15.6	16.0	16.6	17.8	18.3	18.9	19.3	19.9	21.1
6H	16.6	17.1	17.6	18.1	19.3	20.3	20.8	21.3	21.8	23.0
8H	17.5	18.0	18.5	19.0	20.2	21.4	21.8	22.4	22.8	24.1
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.2					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.4				

CIE Pub.117 Corrected 1564 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.6)

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators  
 Test Date:2019-09-12

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:119.8V I:0.1972A P:23.18W PF:0.9807 Lamp Flux:1563.93x1 lm		
NAME: 4902BN-3	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

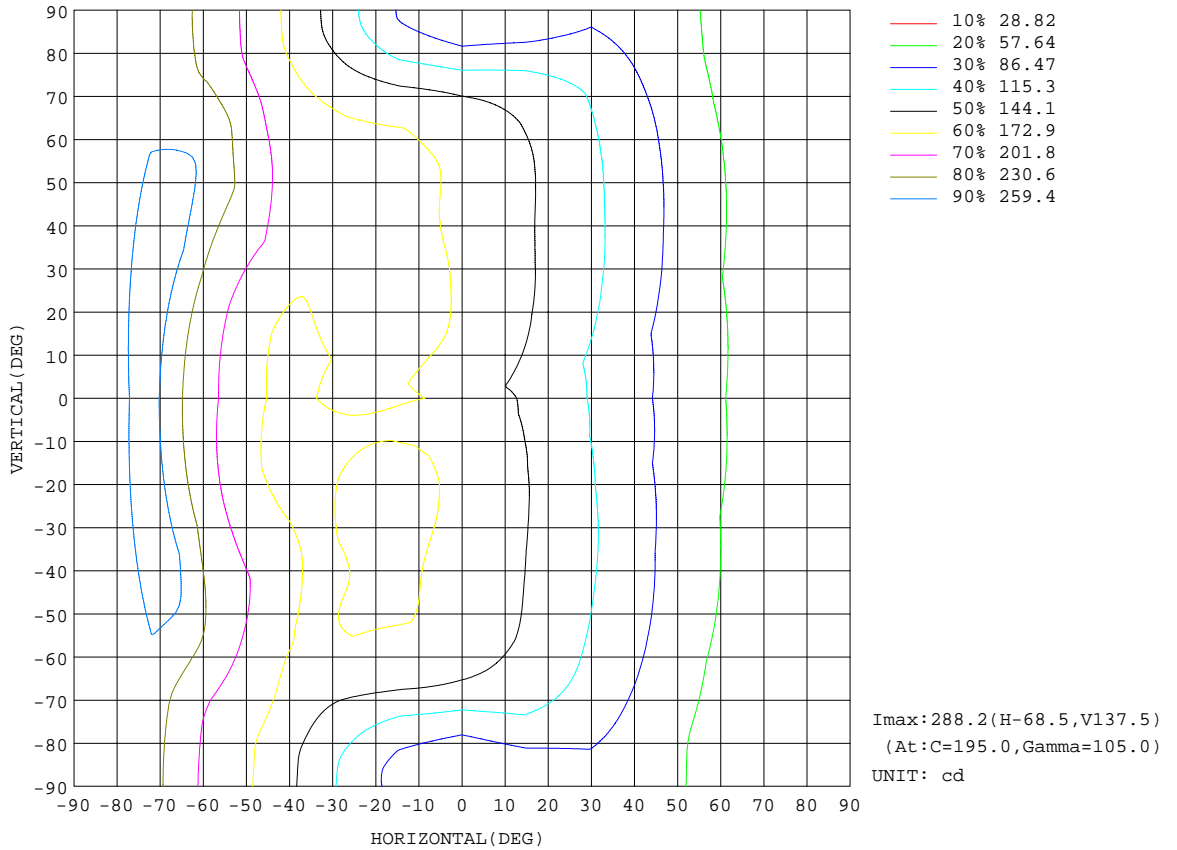
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	39	27	19	37	26	19	34	24	18	11
0.80	48	34	26	45	33	25	41	30	23	14
1.00	55	41	32	52	39	31	46	38	29	18
1.25	62	48	39	58	46	37	51	41	34	21
1.50	67	54	44	63	51	42	55	45	38	24
2.00	75	62	53	70	59	51	61	52	45	29
2.50	80	68	59	74	64	56	64	56	50	32
3.00	84	73	65	78	69	61	67	60	54	34
4.00	89	80	72	83	75	68	71	65	60	38
5.00	92	84	78	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:2019-09-12

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:

ISOCANDELA DIAGRAM

Test:U:119.8V I:0.1972A P:23.18W PF:0.9807 Lamp Flux:1563.93x1 lm		
NAME: 4902BN-3	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

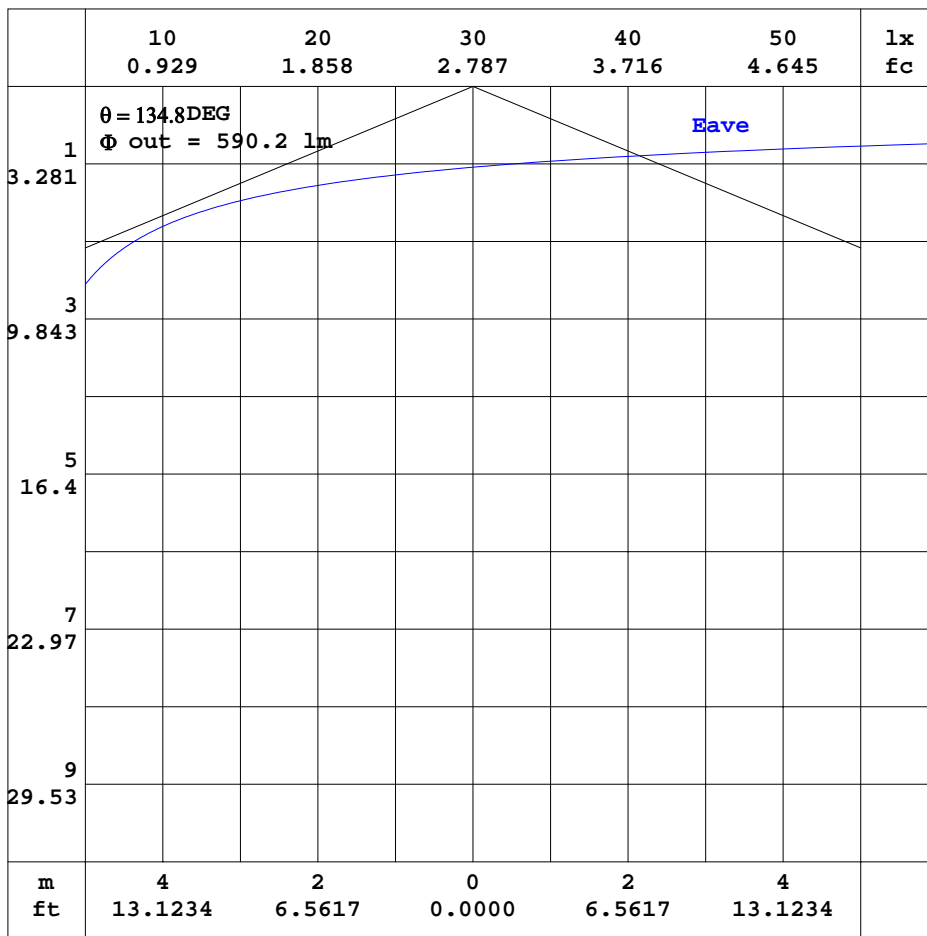


C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2019-09-12

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:119.8V I:0.1972A P:23.18W PF:0.9807 Lamp Flux:1563.93x1 lm		
NAME: 4902BN-3	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.

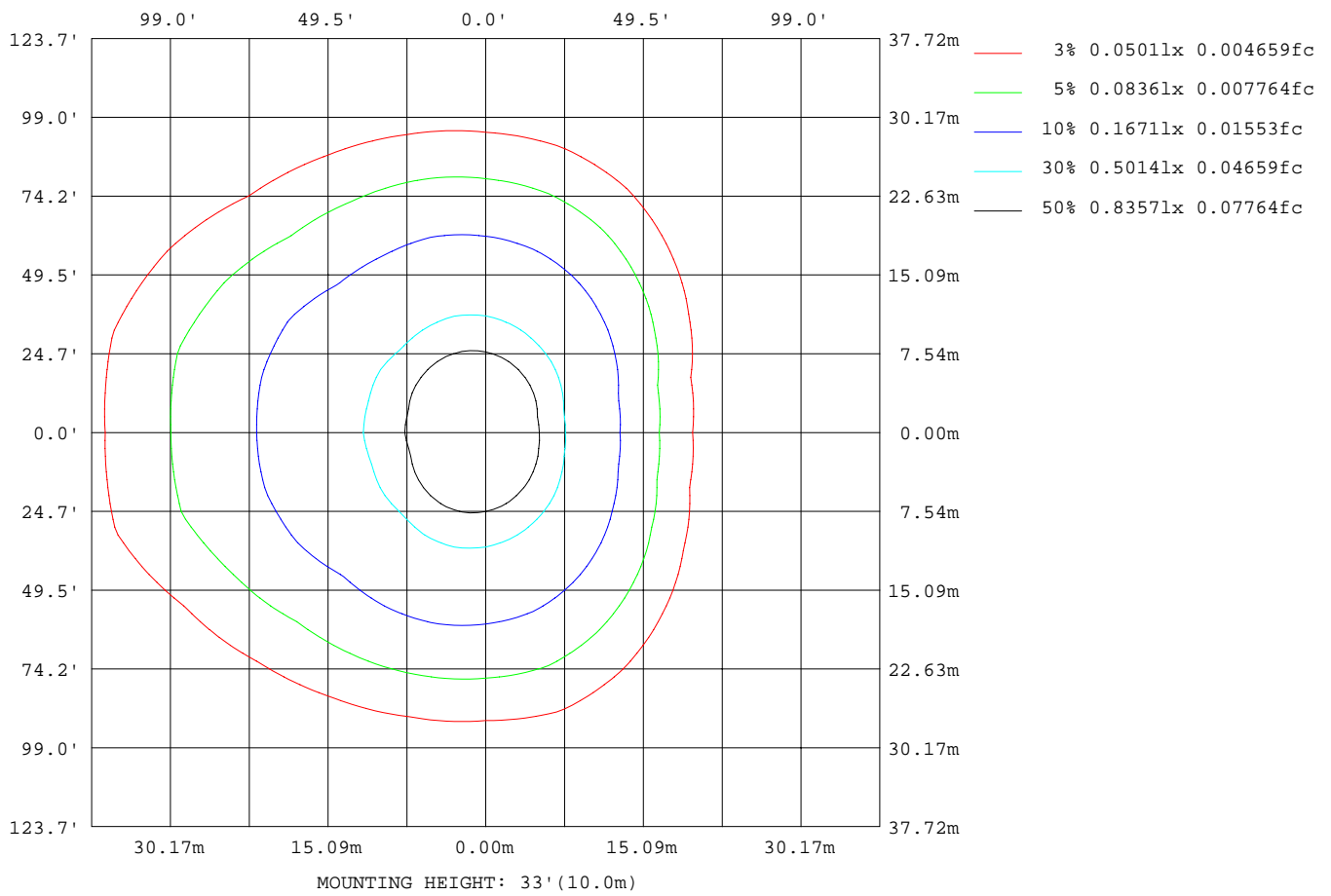
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2019-09-12

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:



ISOLUX DIAGRAM

Test:U:119.8V I:0.1972A P:23.18W PF:0.9807 Lamp Flux:1563.93x1 lm		
NAME: 4902BN-3	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: 2019-09-12

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:119.8V I:0.1972A P:23.18W PF:0.9807 Lamp Flux:1563.93x1 lm		
NAME: 4902BN-3	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

AvgL	cd/m2
L_0~180(65)av	3353
L_0~180(75)av	5974
L_0~180(85)av	15492
L_90~270(65)av	3571
L_90~270(75)av	4289
L_90~270(85)av	7858
L_45(65)av	3277
L_45(75)av	5079
L_45(85)av	13962

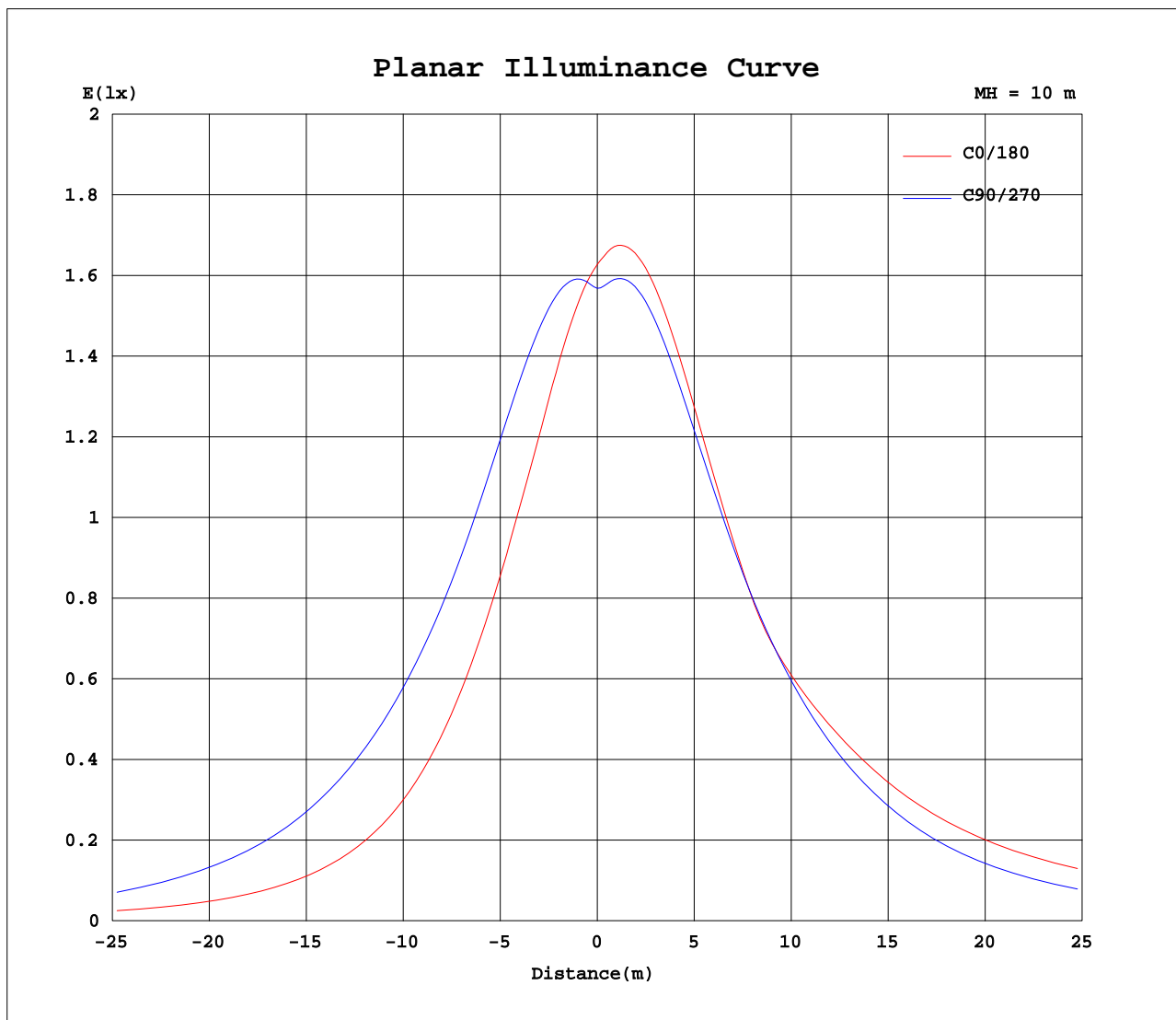
Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-09-12

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: 2019-09-12

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:119.8V I:0.1972A P:23.18W PF:0.9807 Lamp Flux:1563.93x1 lm		
NAME: 4902BN-3	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	163	161	160	159	158	157	157	156	156	155	154	154	163	161	160	159	158	157	157
5	156	156	157	158	159	160	161	161	161	160	159	159	169	166	165	163	163	162	161
10	149	149	153	155	159	162	165	167	168	167	165	163	174	170	171	170	170	168	166
15	140	142	146	152	157	162	167	170	173	173	170	167	178	174	176	176	176	173	169
20	131	133	139	146	154	161	167	173	176	176	173	169	179	176	180	181	180	176	170
25	122	125	132	140	150	160	167	174	178	178	175	169	179	176	181	183	182	177	170
30	113	117	125	135	146	157	166	174	179	179	174	167	176	174	181	184	183	178	170
35	104	108	117	130	142	155	165	174	178	177	172	164	172	170	179	182	183	178	169
40	94.5	98.1	110	125	138	152	164	173	177	175	169	160	167	165	175	180	181	177	168
45	84.9	88.6	101	118	134	150	164	174	176	171	169	165	172	171	175	176	179	177	168
50	75.7	79.4	93.4	112	130	148	163	174	176	169	178	176	184	182	185	175	178	179	169
55	67.2	70.8	85.5	106	126	145	160	172	175	170	189	190	198	196	199	179	178	179	168
60	59.2	62.7	77.9	99.2	121	141	154	167	172	172	200	207	212	212	214	184	178	176	164
65	52.2	55.4	70.6	92.4	116	136	145	156	166	173	209	229	231	235	227	189	176	171	157
70	45.9	48.9	63.6	85.7	109	127	127	136	152	173	212	257	258	264	236	190	171	157	144
75	40.5	43.3	57.2	78.4	101	112	101	112	137	172	209	274	269	280	243	189	159	134	121
80	36.3	38.8	51.7	71.4	92.2	92.2	78.7	92.0	126	169	201	259	247	261	234	186	147	110	94.3
85	35.3	37.3	49.0	66.2	81.8	74.4	63.8	79.2	119	166	198	251	235	251	227	182	138	93.1	73.2
90	35.0	36.9	48.5	65.5	79.1	69.9	59.9	76.9	117	165	197	251	236	251	226	182	135	85.3	59.6
95	34.3	36.3	48.3	66.5	83.8	83.3	74.0	87.0	122	165	196	253	239	255	226	181	135	88.4	66.7
100	35.7	38.1	51.4	71.0	90.9	100	95.6	106	134	168	201	263	251	267	231	183	140	101	82.2
105	38.2	40.6	52.6	71.0	91.0	107	119	129	150	169	204	276	275	288	236	185	150	120	105
110	38.1	40.0	46.0	63.5	81.1	100	122	133	164	170	204	247	258	264	229	185	162	136	123
115	31.8	34.9	43.1	56.0	77.0	95.6	114	129	166	169	197	221	231	235	220	183	171	136	118
120	35.1	38.9	43.6	51.4	72.3	92.2	115	124	152	167	187	201	211	212	207	179	169	133	121
125	35.9	38.1	41.7	47.6	64.2	85.1	102	111	133	162	176	186	196	196	193	172	153	123	113
130	35.0	34.8	42.8	55.9	56.4	77.4	101	105	118	149	163	171	183	182	179	162	132	111	106
135	37.8	40.6	54.6	59.6	54.6	70.9	95.7	102	110	140	147	154	168	167	163	150	122	105	105
140	42.5	45.7	54.1	47.8	58.2	73.9	91.4	98.7	102	138	134	136	153	152	150	144	114	105	93.2
145	44.3	43.8	43.7	54.9	57.6	69.9	94.5	88.4	102	119	128	127	145	141	139	136	105	99.2	96.2
150	44.1	36.5	42.3	52.2	52.3	63.1	90.0	89.5	95.2	99.5	113	122	142	134	131	113	104	88.9	102
155	47.9	38.9	46.3	49.3	52.6	61.1	83.8	103	78.9	100	95.6	106	128	119	111	102	93.4	98.4	90.7
160	50.9	40.1	44.0	49.2	53.2	58.4	68.0	69.0	64.5	81.6	95.1	95.3	110	103	102	95.7	73.1	82.7	77.3
165	41.7	36.0	43.1	47.9	53.4	62.3	76.1	73.3	61.1	64.2	72.1	84.3	105	91.7	85.6	72.5	65.2	71.7	83.0
170	19.8	35.5	41.4	48.4	52.8	60.1	68.9	68.0	59.6	59.6	65.1	73.9	83.0	74.3	67.8	64.3	67.0	79.1	86.0
175	22.4	39.0	64.4	63.2	61.2	59.7	60.8	63.7	69.5	77.2	86.4	95.4	93.5	86.3	76.7	68.5	64.9	63.8	62.6
180	72.1	77.9	80.1	79.5	78.2	78.2	77.4	77.6	77.8	78.6	79.4	81.0	72.0	77.1	80.7	78.9	78.7	78.0	77.9

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-09-12

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:119.8V I:0.1972A P:23.18W PF:0.9807 Lamp Flux:1563.93x1 lm		
NAME: 4902BN-3	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C( DEG) γ (DEG)	285	300	315	330	345														
0	156	156	155	154	154														
5	159	157	155	152	150														
10	162	158	153	149	144														
15	163	157	151	144	137														
20	163	155	147	138	130														
25	162	152	141	131	121														
30	160	149	136	125	114														
35	158	145	131	118	106														
40	156	141	127	111	96.7														
45	155	138	122	104	87.8														
50	153	135	116	96.6	79.2														
55	152	132	111	89.4	71.2														
60	149	129	105	82.5	63.5														
65	144	124	99.5	75.6	56.5														
70	136	119	93.5	68.9	50.2														
75	121	112	86.8	62.5	44.7														
80	99.2	103	79.5	56.7	40.1														
85	77.5	90.7	72.5	52.7	38.2														
90	64.9	80.6	70.1	51.8	37.7														
95	70.7	80.7	69.9	51.2	37.1														
100	87.8	89.3	74.4	53.7	38.7														
105	104	94.2	76.9	56.0	41.2														
110	107	90.3	70.8	51.3	41.5														
115	99.3	81.7	62.5	43.2	35.4														
120	97.0	79.2	57.5	41.5	40.8														
125	92.7	72.7	51.9	40.6	40.8														
130	85.5	65.4	51.5	42.1	36.1														
135	77.2	56.1	55.7	55.8	43.4														
140	72.1	57.3	47.7	57.6	49.1														
145	76.0	59.5	53.0	43.7	45.8														
150	67.0	55.0	55.4	42.8	37.3														
155	64.0	53.7	48.8	48.8	38.7														
160	60.2	53.2	50.1	46.4	40.4														
165	63.6	55.2	50.5	46.2	40.9														
170	66.9	58.0	51.6	46.9	41.7														
175	59.2	56.5	55.6	57.4	47.5														
180	77.6	78.3	78.6	79.7	81.1														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2019-09-12

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: