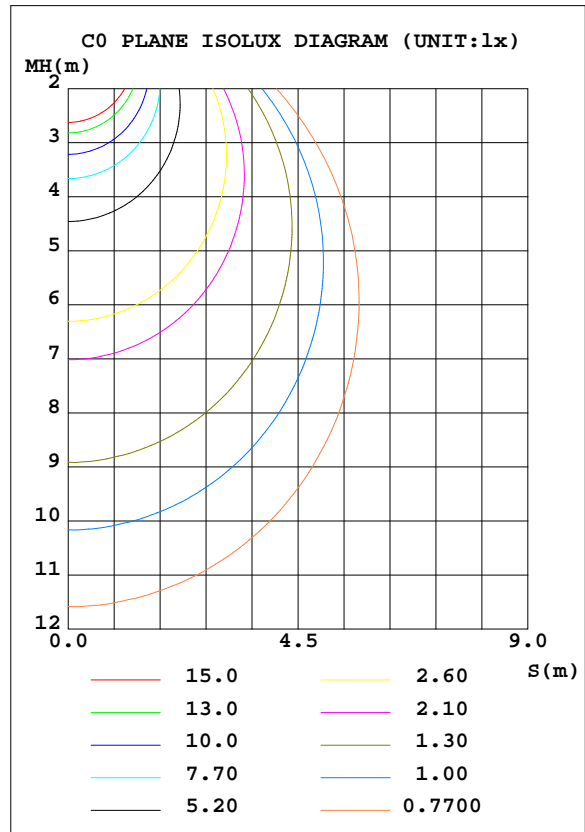
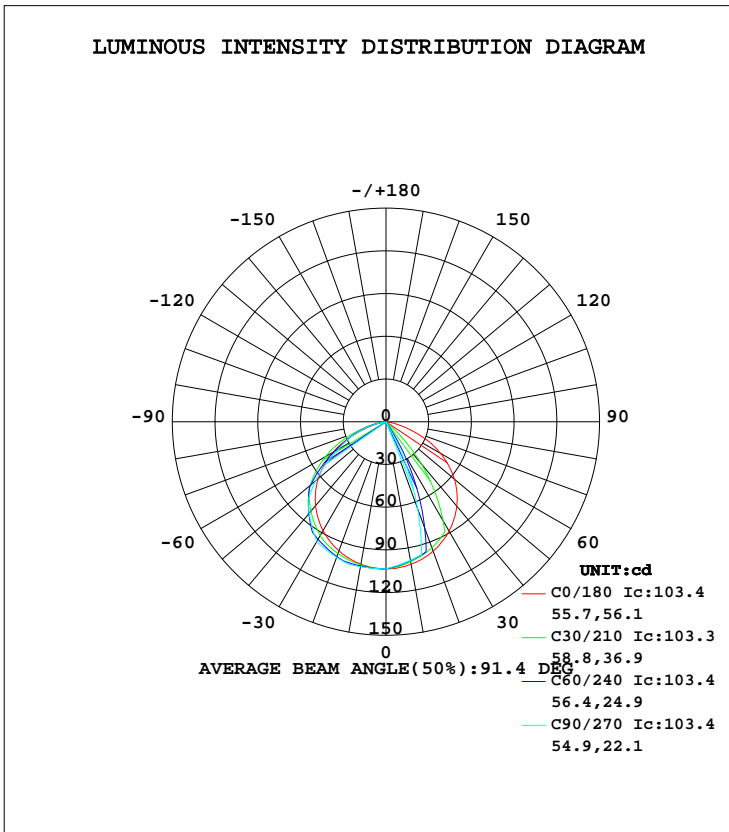


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:11.95V I:0.2846A P:3.200W PF:0.9411 Lamp Flux:235x1 lm		
NAME: 490085-4W-3000K AXLE	TYPE:490085-4W-3000K AXLE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 75.55 lm/W			
MODEL	490085-4W-3000K AXLE	I _{max} (cd)	103.5	S/MH(C0/180)	1.27
NOMINAL POWER(W)	4	LOR(%)	102.9	S/MH(C90/270)	1.36
RATED VOLTAGE(V)	12	TOTAL FLUX(lm)	205.75	η UP, DN(C0-180)	0.0,29.3
NOMINAL FLUX(lm)	200	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,73.6
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	12	η down(%)	102.9	CIBSE SHR MAX	0.90



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:20DEG
 Operators:Y
 Test Date:2024-05-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:8.750m [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
5	102.9	101.6	101.1	101.5	102.8	103.1	103.3	103.2	0- 5	2.457	2.457	1.19,1.23
10	101.6	99.39	98.91	99.35	101.5	102.5	103.4	102.6	5- 10	7.277	9.735	4.73,4.87
15	99.58	96.82	96.71	96.77	99.41	101.5	103.4	101.7	10- 15	11.89	21.62	10.5,10.8
20	96.76	93.98	64.85	93.86	96.48	100.2	101.3	100.4	15- 20	15.85	37.48	18.2,18.7
25	93.03	72.40	32.99	72.31	92.82	97.26	99.23	97.33	20- 25	18.30	55.78	27.1,27.9
30	88.57	47.35	1.131	47.29	88.30	93.68	97.14	93.75	25- 30	19.31	75.09	36.5,37.5
35	83.30	22.25	0.7539	22.23	83.01	89.84	90.52	89.91	30- 35	19.35	94.44	45.9,47.2
40	77.33	1.020	0.3769	1.003	76.90	85.27	83.90	85.25	35- 40	19.26	113.7	55.3,56.9
45	70.48	0.6729	0	0.6590	69.99	77.31	77.28	77.27	40- 45	18.80	132.5	64.4,66.3
50	62.77	0.3264	0	0.3181	62.08	69.13	64.41	69.10	45- 50	17.79	150.3	73,75.1
55	53.82	0	0	0	52.99	60.52	51.55	60.43	50- 55	15.94	166.2	80.8,83.1
60	44.01	0	0	0	42.88	47.05	38.68	46.96	55- 60	13.46	179.7	87.3,89.8
65	33.63	0	0	0	31.43	33.75	29.65	33.77	60- 65	10.59	190.3	92.5,95.1
70	21.70	0	0	0	19.27	22.61	20.62	22.74	65- 70	7.730	198.0	96.2,99
75	11.31	0	0	0	9.302	13.96	11.59	14.09	70- 75	4.975	203.0	98.7,101
80	3.736	0	0	0	2.203	5.367	0	5.507	75- 80	2.344	205.3	99.8,103
85	0	0	0	0	0	0	0	0	80- 85	0.4037	205.7	100,103
90	0	0	0	0	0	0	0	0	85- 90	0.0077	205.7	100,103
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

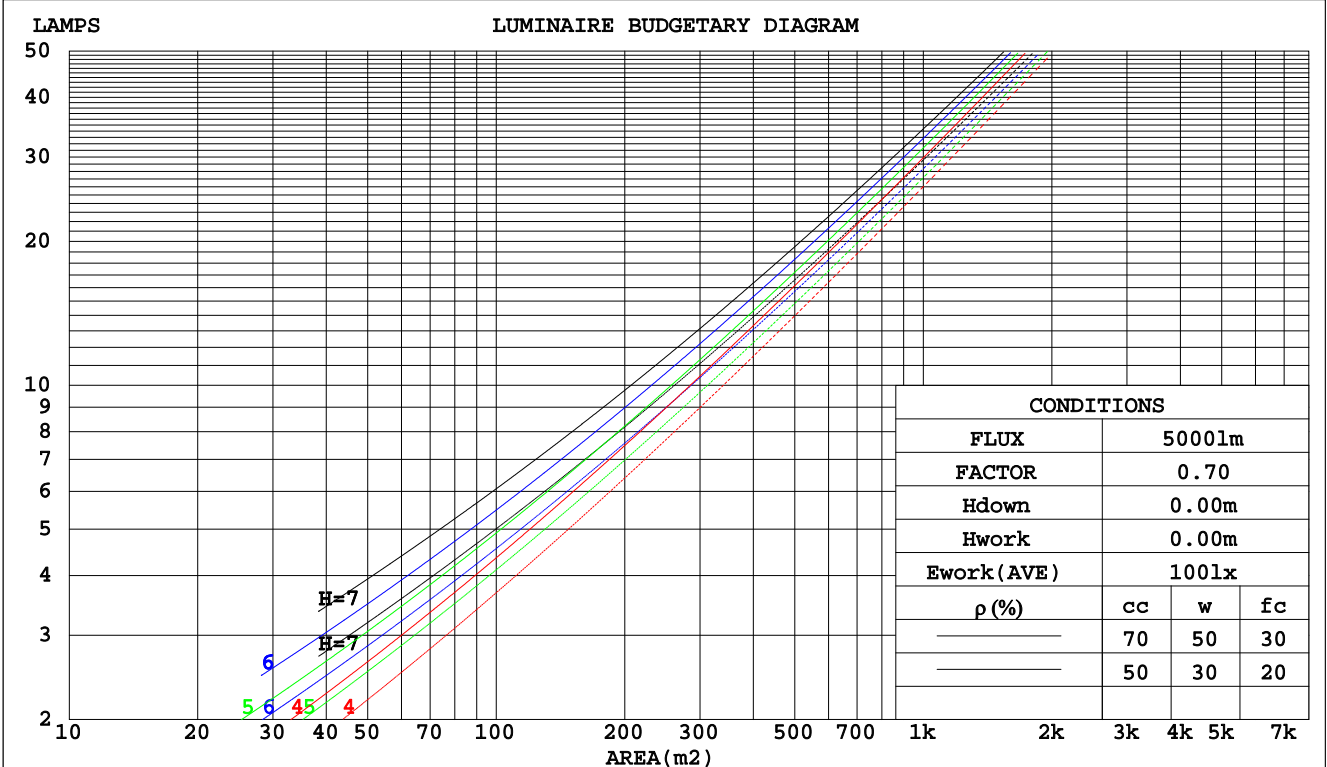
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:Y
Test Date:2024-05-14

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:8.750m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:11.95V I:0.2846A P:3.200W PF:0.9411 Lamp Flux:235x1 lm		
NAME: 490085-4W-3000K AXLE	TYPE:490085-4W-3000K AXLE	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																0
RCR	RCR:Room Cavity Ratio Coefficients of Utilization(CU)															
0.0	1.22	1.22	1.22	1.20	1.20	1.20	1.14	1.14	1.14	1.09	1.09	1.09	1.05	1.05	1.05	1.03
1.0	1.10	1.06	1.03	1.07	1.04	1.01	1.03	1.00	.98	.99	.97	.95	.95	.94	.92	.90
2.0	.97	.91	.86	.95	.90	.85	.92	.87	.83	.89	.85	.81	.86	.82	.80	.77
3.0	.87	.79	.73	.85	.78	.73	.82	.76	.72	.80	.75	.70	.77	.73	.69	.67
4.0	.78	.70	.64	.77	.69	.63	.74	.67	.62	.72	.66	.61	.70	.65	.61	.59
5.0	.70	.62	.56	.69	.61	.55	.67	.60	.55	.65	.59	.54	.63	.58	.54	.52
6.0	.64	.55	.49	.63	.55	.49	.61	.54	.49	.60	.53	.48	.58	.52	.48	.46
7.0	.58	.50	.44	.58	.50	.44	.56	.49	.44	.55	.48	.43	.53	.48	.43	.41
8.0	.54	.46	.40	.53	.45	.40	.52	.45	.40	.50	.44	.39	.49	.43	.39	.37
9.0	.50	.42	.36	.49	.41	.36	.48	.41	.36	.47	.40	.36	.46	.40	.36	.34
10.0	.46	.38	.33	.46	.38	.33	.45	.38	.33	.44	.37	.33	.43	.37	.33	.31



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:Y
Test Date:2024-05-14

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:8.750m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:11.95V I:0.2846A P:3.200W PF:0.9411 Lamp Flux:235x1 lm		
NAME: 490085-4W-3000K AXLE	TYPE:490085-4W-3000K AXLE	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	.266	.151	.048	.259	.148	.047	.246	.141	.045	.233	.135	.043	.222	.129	.042	
2.0	.259	.142	.044	.253	.139	.043	.241	.134	.042	.230	.129	.040	.220	.125	.039	
3.0	.245	.130	.039	.239	.128	.039	.229	.124	.038	.220	.120	.037	.211	.117	.036	
4.0	.229	.119	.035	.225	.118	.035	.216	.114	.034	.207	.111	.034	.199	.108	.033	
5.0	.215	.109	.032	.210	.108	.031	.202	.105	.031	.195	.103	.031	.188	.100	.030	
6.0	.201	.101	.029	.197	.100	.029	.190	.097	.028	.183	.095	.028	.177	.093	.028	
7.0	.189	.093	.026	.185	.092	.026	.179	.090	.026	.173	.089	.026	.167	.087	.026	
8.0	.177	.087	.024	.174	.086	.024	.169	.084	.024	.163	.083	.024	.158	.081	.024	
9.0	.167	.081	.023	.164	.080	.022	.159	.079	.022	.154	.077	.022	.150	.076	.022	
10.0	.158	.076	.021	.156	.075	.021	.151	.074	.021	.146	.073	.021	.142	.072	.021	

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	.196	.196	.196	.167	.167	.167	.114	.114	.114	.066	.066	.066	.021	.021	.021	
1.0	.182	.161	.142	.156	.138	.123	.106	.095	.085	.061	.055	.049	.020	.018	.016	
2.0	.172	.136	.106	.147	.117	.091	.101	.081	.064	.058	.047	.037	.019	.015	.012	
3.0	.163	.117	.081	.140	.101	.070	.096	.070	.049	.055	.041	.029	.018	.013	.010	
4.0	.155	.103	.064	.133	.089	.056	.091	.062	.039	.053	.036	.023	.017	.012	.008	
5.0	.147	.092	.052	.126	.080	.045	.087	.056	.032	.050	.033	.019	.016	.011	.006	
6.0	.140	.083	.043	.120	.072	.037	.083	.051	.026	.048	.030	.016	.016	.010	.005	
7.0	.133	.076	.036	.115	.066	.032	.079	.046	.022	.046	.027	.013	.015	.009	.004	
8.0	.127	.070	.031	.109	.061	.027	.076	.043	.019	.044	.025	.012	.014	.008	.004	
9.0	.121	.065	.027	.104	.057	.024	.072	.040	.017	.042	.023	.010	.014	.008	.003	
10.0	.116	.061	.024	.100	.053	.021	.069	.037	.015	.040	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:20DEG
 Operators:Y
 Test Date:2024-05-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:8.750m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:11.95V I:0.2846A P:3.200W PF:0.9411 Lamp Flux:235x1 lm		
NAME: 490085-4W-3000K AXLE	TYPE:490085-4W-3000K AXLE	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	7.9	9.2	8.1	9.4	9.6	-28.1	-26.7	-27.9	-26.6	-26.4
3H	8.7	10.0	9.0	10.2	10.4	-28.3	-27.1	-28.0	-26.8	-26.6
4H	8.9	10.1	9.2	10.3	10.6	-28.4	-27.2	-28.1	-27.0	-26.7
6H	8.9	10.0	9.2	10.2	10.5	-28.5	-27.4	-28.2	-27.1	-26.9
8H	8.8	9.9	9.1	10.2	10.5	-28.6	-27.5	-28.3	-27.2	-26.9
12H	8.8	9.8	9.1	10.1	10.4	-28.6	-27.6	-28.3	-27.3	-27.0
4H 2H	7.6	8.8	7.9	9.0	9.2	-24.3	-23.1	-24.0	-22.9	-22.7
3H	8.4	9.5	8.8	9.7	10.0	-24.5	-23.5	-24.2	-23.2	-22.9
4H	8.6	9.5	8.9	9.8	10.2	-24.6	-23.7	-24.3	-23.4	-23.1
6H	8.6	9.4	9.0	9.7	10.1	-24.7	-23.9	-24.3	-23.6	-23.2
8H	8.5	9.3	8.9	9.7	10.0	-24.8	-24.0	-24.4	-23.7	-23.3
12H	8.5	9.2	8.9	9.6	10.0	-24.8	-24.1	-24.4	-23.7	-23.3
8H 4H	8.4	9.2	8.8	9.6	9.9	-24.8	-24.0	-24.4	-23.6	-23.3
6H	8.4	9.1	8.9	9.5	9.9	-24.9	-24.2	-24.4	-23.8	-23.4
8H	8.4	9.0	8.9	9.4	9.8	-24.9	-24.3	-24.4	-23.9	-23.5
12H	8.4	8.8	8.8	9.3	9.8	-24.9	-24.5	-24.5	-24.0	-23.5
12H 4H	8.4	9.1	8.8	9.5	9.9	-24.8	-24.1	-24.4	-23.7	-23.3
6H	8.4	8.9	8.8	9.4	9.8	-24.9	-24.3	-24.4	-23.9	-23.5
8H	8.4	8.8	8.8	9.3	9.8	-24.9	-24.5	-24.5	-24.0	-23.5
Variations with the observer position at spacings:										
S = 1.0H	+ 1.7 / - 5.9					+ 2.5 / - 1.\$				
1.5H	+ 3.0 / -24.6					+ 4.0 / - 1.\$				
2.0H	+ 4.0 / -44.5					+ 6.1 / - 1.\$				

CIE Pub.117 Corrected 200.0 lm Total Lamp Luminous Flux.(8log(F/F0) = -5.6)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:20DEG
 Operators:Y
 Test Date:2024-05-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:8.750m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:11.95V I:0.2846A P:3.200W PF:0.9411 Lamp Flux:235x1 lm		
NAME: 490085-4W-3000K AXLE	TYPE:490085-4W-3000K AXLE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

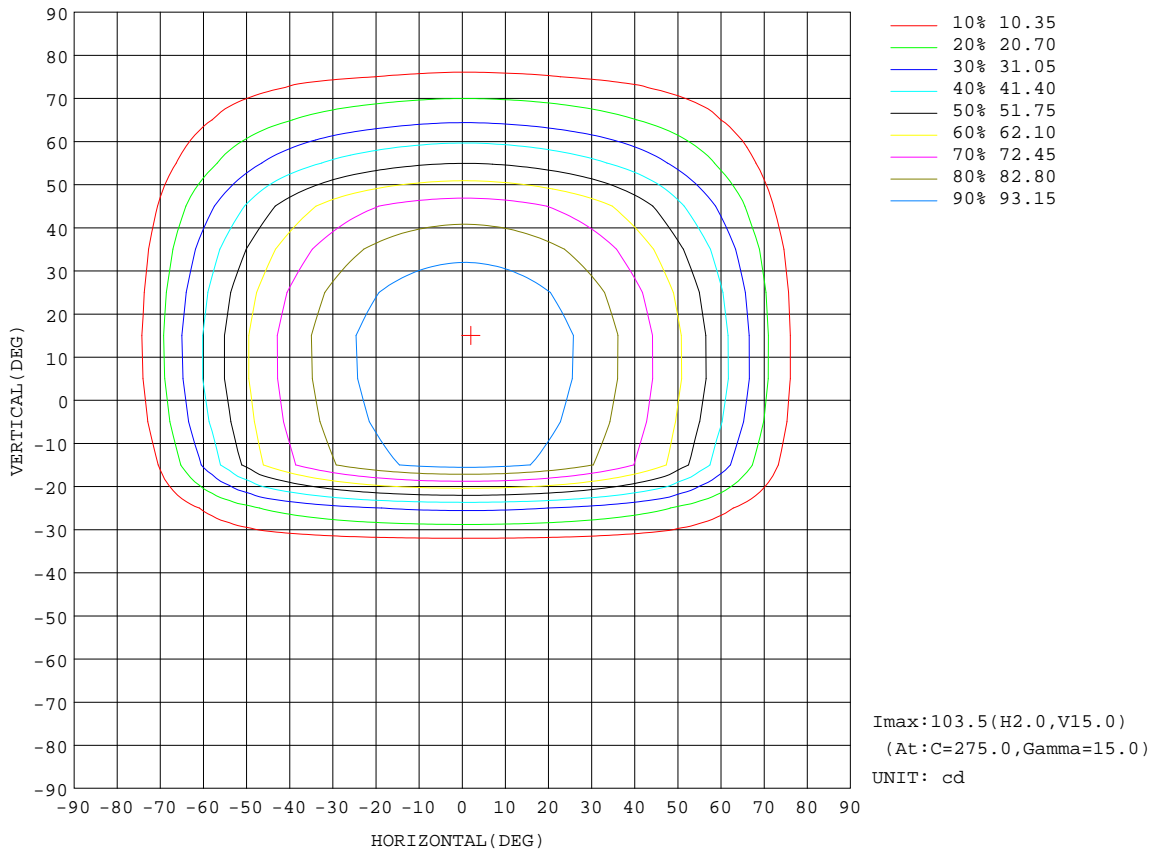
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	65	55	48	65	54	48	64	54	48	42
0.80	76	65	58	75	65	58	73	64	58	51
1.00	84	74	67	83	73	67	81	75	67	60
1.25	91	82	75	90	81	75	87	80	74	67
1.50	96	87	81	94	86	80	91	84	79	72
2.00	102	95	89	100	93	88	97	91	87	79
2.50	105	99	93	103	97	92	100	95	91	83
3.00	108	102	98	106	101	97	102	98	94	86
4.00	112	107	103	110	105	102	105	102	99	90
5.00	114	110	106	112	108	105	107	104	102	93
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: HIGH
Temperature:20DEG
Operators:Y
Test Date:2024-05-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:8.750m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:11.95V I:0.2846A P:3.200W PF:0.9411 Lamp Flux:235x1 lm		
NAME: 490085-4W-3000K AXLE	TYPE:490085-4W-3000K AXLE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

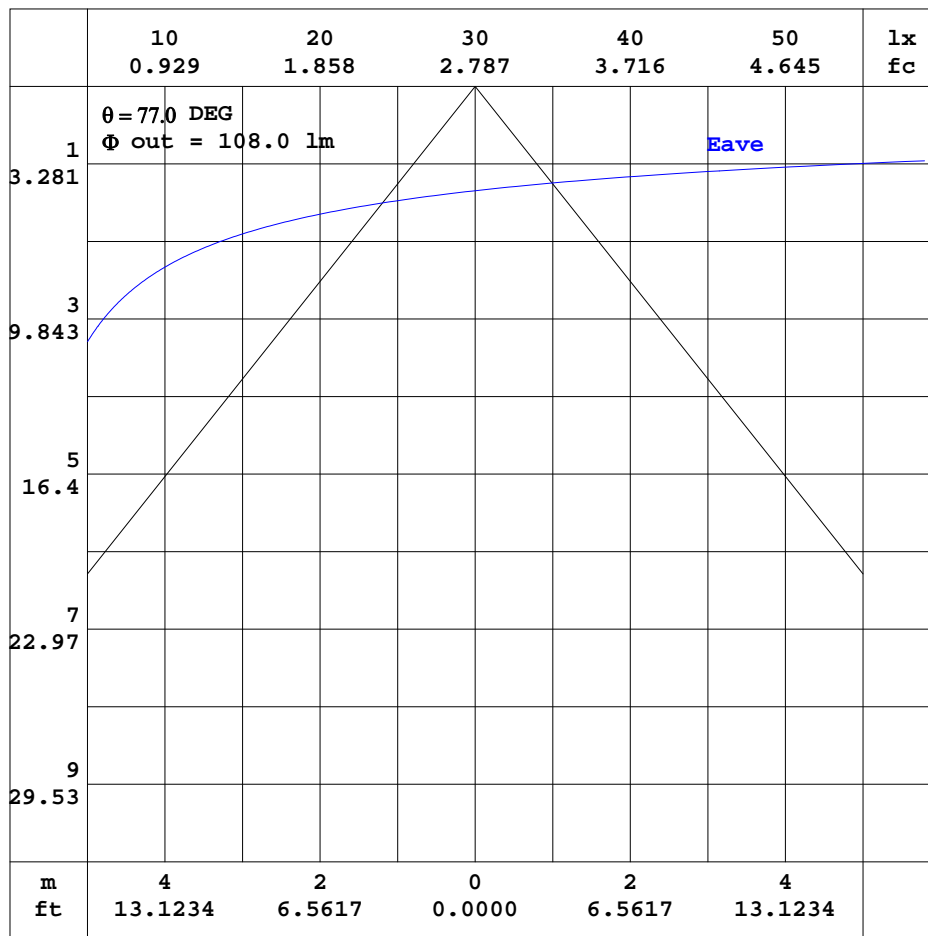


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:20DEG
 Operators:Y
 Test Date:2024-05-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:8.750m [K=1.0000]
 Remarks:

AAI CURVES

Test:U:11.95V I:0.2846A P:3.200W PF:0.9411 Lamp Flux:235x1 lm		
NAME: 490085-4W-3000K AXLE	TYPE:490085-4W-3000K AXLE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



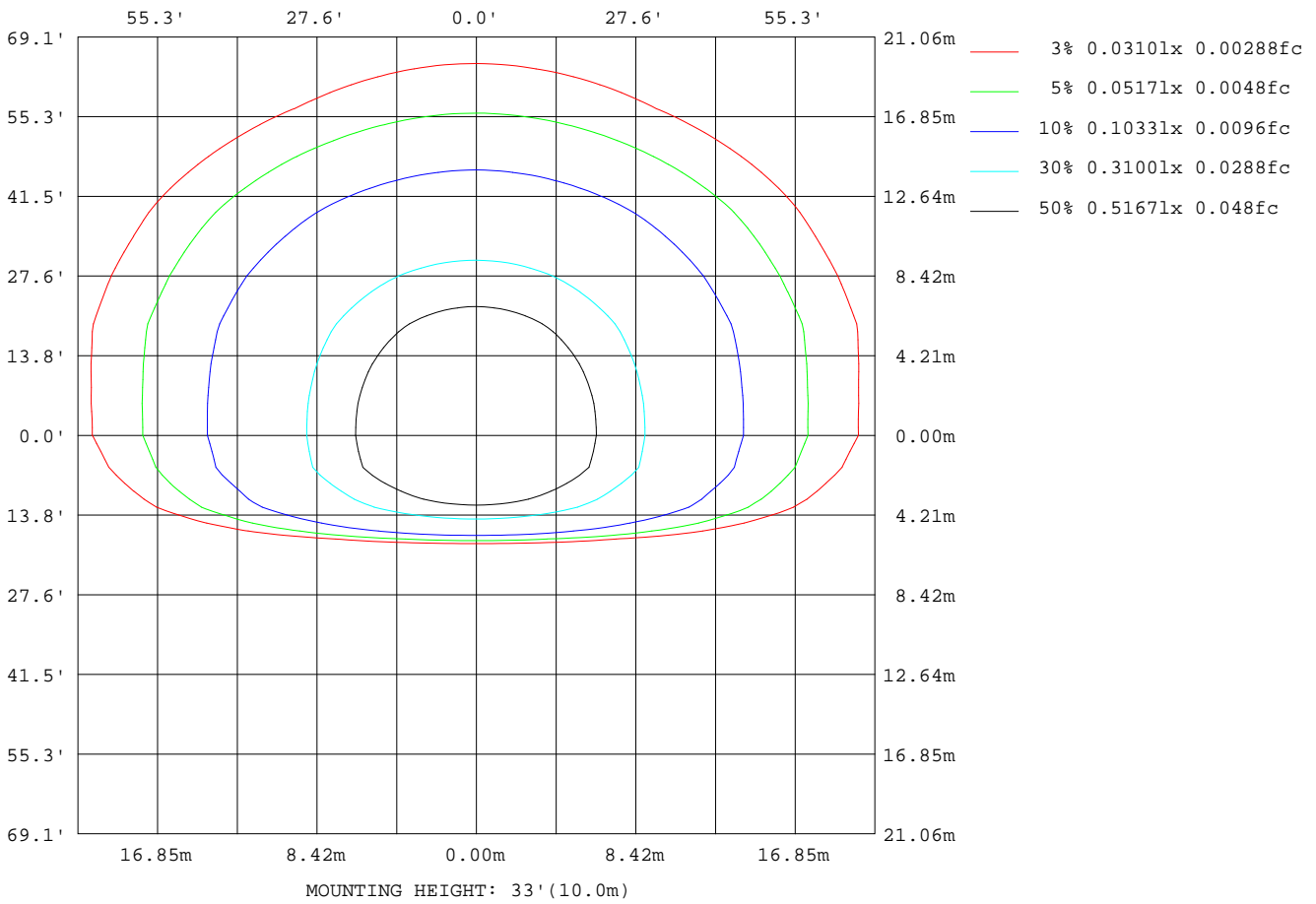
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:20DEG
 Operators:Y
 Test Date:2024-05-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:8.750m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:11.95V I:0.2846A P:3.200W PF:0.9411 Lamp Flux:235x1 lm		
NAME: 490085-4W-3000K AXLE	TYPE:490085-4W-3000K AXLE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:20DEG
 Operators:Y
 Test Date:2024-05-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:8.750m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:11.95V I:0.2846A P:3.200W PF:0.9411 Lamp Flux:235x1 lm		
NAME: 490085-4W-3000K AXLE	TYPE:490085-4W-3000K AXLE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

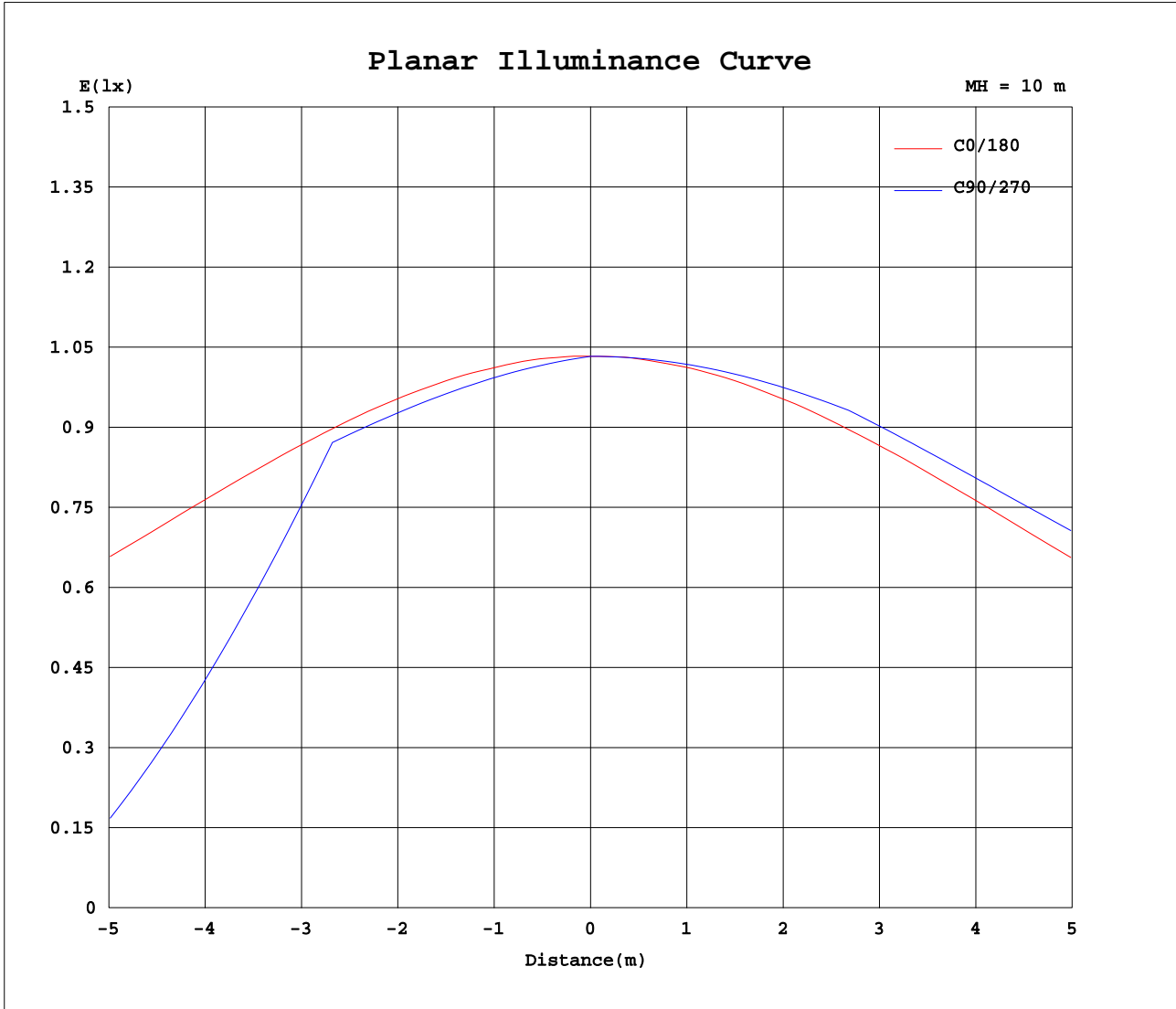
AvgL	cd/m2
L_0~180(65)av	385
L_0~180(75)av	199
L_0~180(85)av	0
L_90~270(65)av	175
L_90~270(75)av	112
L_90~270(85)av	0
L_45(65)av	200
L_45(75)av	135
L_45(85)av	0

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:Y
Test Date:2024-05-14

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:8.750m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 20DEG
 Operators: Y
 Test Date: 2024-05-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 8.750m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:11.95V I:0.2846A P:3.200W PF:0.9411 Lamp Flux:235x1 lm		
NAME: 490085-4W-3000K AXLE	TYPE:490085-4W-3000K AXLE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION 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	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103
5	103	103	103	102	102	102	102	102	102	102	102	101	101	101	101	101	101	101	101
10	102	101	101	101	100	100	99.9	99.7	99.5	99.4	99.3	99.2	99.1	99.1	99.1	99.0	99.0	98.9	98.9
15	99.6	99.0	98.6	98.2	97.8	97.5	97.3	97.1	96.9	96.8	96.8	96.7	96.7	96.8	96.7	96.8	96.8	96.7	96.7
20	96.8	96.1	95.5	95.0	94.6	94.3	94.2	94.0	93.9	94.0	90.7	84.7	79.6	75.1	71.5	68.6	66.6	65.3	64.9
25	93.0	92.2	91.5	91.0	90.7	90.4	90.4	90.4	81.1	72.4	64.4	57.3	51.0	45.5	41.1	37.6	35.0	33.5	33.0
30	88.6	87.6	86.8	86.3	86.0	86.0	80.2	68.5	57.5	47.4	38.0	29.7	22.3	15.9	10.6	6.51	3.53	1.74	1.13
35	83.3	82.1	81.3	80.9	80.7	73.5	59.4	46.2	33.8	22.3	11.6	2.07	1.01	0.93	0.86	0.81	0.78	0.76	0.75
40	77.3	76.0	75.1	74.6	70.0	54.0	38.6	23.9	10.1	1.02	0.89	0.76	0.65	0.57	0.50	0.44	0.41	0.39	0.38
45	70.5	68.9	68.0	67.7	51.7	34.4	17.8	1.80	0.82	0.67	0.54	0.41	0.30	0.21	0.13	0.07	0.03	0.01	0.00
50	62.8	60.2	58.9	52.0	33.4	15.1	0.87	0.68	0.49	0.33	0.18	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	53.8	50.2	48.3	33.4	15.0	0.79	0.56	0.35	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	44.0	39.5	33.4	16.8	0.72	0.47	0.23	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	33.6	27.9	18.2	2.72	0.41	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	21.7	16.6	6.01	0.37	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	11.3	6.70	0.27	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	3.74	0.78	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:20DEG
Operators:Y
Test Date:2024-05-14

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:8.750m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:11.95V I:0.2846A P:3.200W PF:0.9411 Lamp Flux:235x1 lm		
NAME: 490085-4W-3000K AXLE	TYPE:490085-4W-3000K AXLE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION 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	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103
5	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103
10	102	102	102	102	102	102	102	102	103	103	103	103	103	103	103	103	103	103	103
15	99.6	99.8	100.0	100	101	101	101	102	102	102	102	103	103	103	103	103	103	104	103
20	96.8	97.1	97.5	98.0	98.5	99.0	99.6	100	100	101	101	101	101	101	101	101	101	101	101
25	93.3	93.7	94.4	95.1	95.9	96.8	97.0	97.3	97.5	97.9	98.1	98.5	98.7	98.9	99.0	99.2	99.2	99.2	99.1
30	89.0	89.7	90.5	91.6	92.3	92.7	93.2	93.7	94.2	94.8	95.4	95.9	96.3	96.6	96.9	97.0	97.1	97.1	96.9
35	83.9	84.7	85.9	86.8	87.4	88.1	89.0	89.8	90.7	91.6	91.4	91.1	90.8	90.7	90.6	90.5	90.5	90.5	90.6
40	78.0	79.2	80.4	81.1	82.0	83.2	84.5	85.3	84.8	84.5	84.3	84.1	84.0	83.9	83.8	83.9	83.9	83.9	83.8
45	71.3	72.9	73.7	74.8	76.3	78.0	77.5	77.3	77.2	77.1	77.1	77.1	77.1	77.1	77.1	77.2	77.3	77.2	77.1
50	63.9	65.2	66.3	68.0	69.5	69.1	69.0	69.1	69.4	69.7	68.9	67.4	66.2	65.3	64.8	64.5	64.4	64.5	64.8
55	55.3	56.5	58.2	59.8	59.6	59.8	60.3	60.5	58.8	57.1	55.5	54.2	53.1	52.3	51.9	51.6	51.5	51.6	51.8
60	45.5	47.1	49.3	48.8	49.1	50.2	48.7	47.0	45.3	43.7	42.2	40.9	40.0	39.3	38.9	38.8	38.7	38.7	38.9
65	34.8	37.2	37.3	37.7	37.6	36.7	35.4	33.8	32.1	30.7	30.3	29.9	29.7	29.6	29.6	29.7	29.6	29.6	29.6
70	23.6	25.3	26.2	25.7	25.1	24.1	23.0	22.6	22.4	21.9	21.5	21.1	20.9	20.7	20.6	20.6	20.6	20.6	20.7
75	13.0	14.1	14.4	14.0	14.1	14.4	14.3	14.0	13.8	13.3	12.8	12.4	12.0	11.7	11.6	11.6	11.6	11.6	11.7
80	4.50	5.04	5.38	6.11	6.38	6.33	5.95	5.37	4.79	3.77	2.84	2.01	1.31	0.75	0.34	0.09	0.00	0.09	0.34
85	0.37	0.69	0.76	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:20DEG
 Operators:Y
 Test Date:2024-05-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:8.750m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:11.95V I:0.2846A P:3.200W PF:0.9411 Lamp Flux:235x1 lm		
NAME: 490085-4W-3000K AXLE	TYPE:490085-4W-3000K AXLE	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION 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	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103				
5	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103				
10	103	103	103	103	103	103	103	102	102	102	102	102	102	102	102				
15	103	103	103	103	102	102	102	101	101	101	100	100	99.9	99.8	99.6				
20	101	101	101	101	101	101	100	99.8	99.2	98.6	98.1	97.7	97.3	97.0	96.8				
25	99.0	98.8	98.6	98.2	98.0	97.6	97.3	97.1	96.9	96.0	95.3	94.5	93.9	93.5	93.2				
30	96.7	96.4	95.9	95.5	94.9	94.3	93.8	93.3	92.8	92.5	91.7	90.6	89.8	89.2	88.8				
35	90.7	90.9	91.1	91.4	91.7	90.8	89.9	89.0	88.2	87.6	87.0	86.2	85.0	84.1	83.5				
40	83.9	83.9	84.0	84.1	84.4	84.8	85.3	84.5	83.3	82.2	81.2	80.6	79.5	78.3	77.6				
45	77.0	76.9	76.9	76.9	77.0	77.1	77.3	77.6	78.0	76.4	75.0	74.0	73.2	71.8	70.8				
50	65.3	66.0	67.1	68.5	69.4	69.3	69.1	68.9	69.1	69.6	68.3	66.7	65.7	64.3	63.1				
55	52.3	53.0	54.0	55.4	56.9	58.7	60.4	60.2	59.7	59.7	60.2	58.7	57.0	55.9	54.3				
60	39.3	40.0	40.9	42.1	43.6	45.3	47.0	48.6	50.1	49.1	49.0	49.8	47.7	46.2	44.6				
65	29.7	29.9	30.1	30.3	30.7	32.0	33.8	35.4	36.7	37.6	37.9	38.0	38.2	35.9	34.3				
70	20.8	21.0	21.3	21.6	22.0	22.4	22.7	23.1	24.3	25.5	26.3	26.7	26.6	25.7	23.3				
75	11.9	12.2	12.5	12.9	13.3	13.8	14.1	14.5	14.8	15.0	14.9	15.3	14.8	14.6	12.7				
80	0.76	1.33	2.03	2.86	3.79	4.80	5.51	6.21	6.69	6.89	6.65	6.15	5.83	5.39	4.63				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.74	1.00	1.06	0.74	0.42				
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:20DEG
 Operators:Y
 Test Date:2024-05-14

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:8.750m [K=1.0000]
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