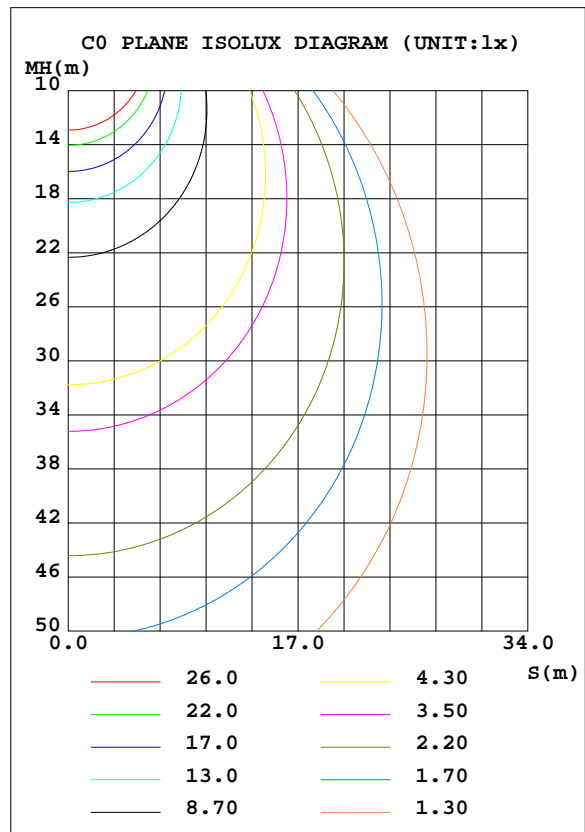
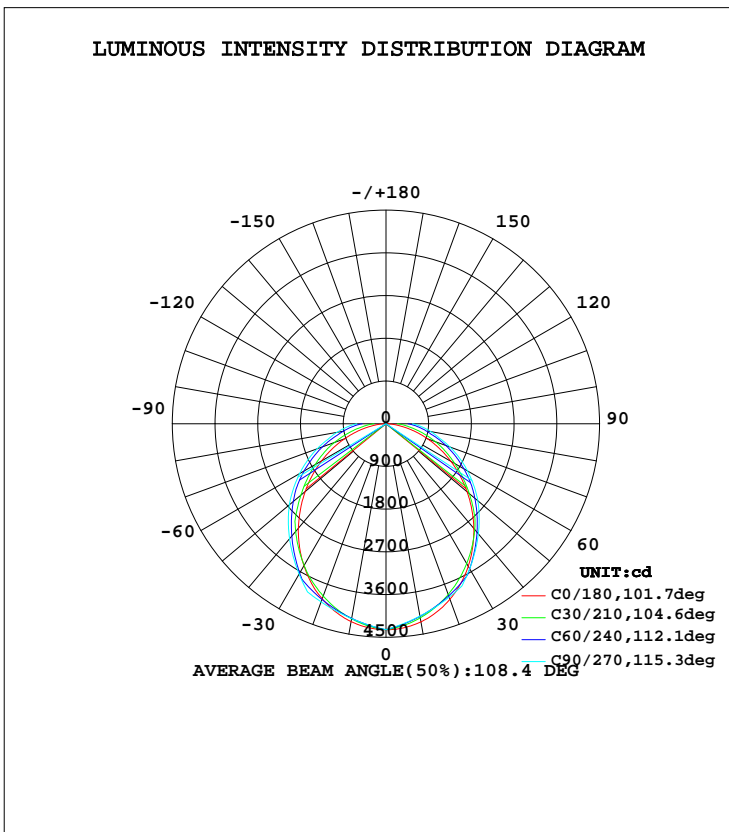


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.9V I:0.7714A P:92.52W PF:0.9931 Lamp Flux:12385.6x1 lm		
NAME: ASD-LSF5-8A90AC-PRM (90W 4000K)	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 2438*66*68mm	SERIAL No.:
MFR.: ASD lighting corp.	SUR.:2438*66*68mm	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 133.87 lm/W			
MODEL	ASD-LSF5-8A90AC-PRM	I _{max} (cd)	4340	S/MH(C0/180)	1.19
NOMINAL POWER(W)	90	LOR(%)	100.0	S/MH(C90/270)	1.25
RATED VOLTAGE(V)	120-277	TOTAL FLUX(lm)	12386	η UP, DN(C0-180)	0.0,49.1
NOMINAL FLUX(lm)	12385.6	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0,50.9
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	100.0	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:Peter
 Test Date:2020-03-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity:50%
 Test Distance:8.900m [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	4315	4248	4227	4246	4312	4264	4254	4267	0- 5	102.6	102.6	0.83,0.83
10	4238	4133	4115	4128	4232	4164	4168	4170	5- 10	301.1	403.7	3.26,3.26
15	4111	3994	4002	3986	4103	4040	4082	4050	10- 15	486.1	889.8	7.18,7.18
20	3937	3837	3889	3826	3928	3896	3996	3911	15- 20	653.0	1543	12.5,12.5
25	3720	3663	3776	3650	3712	3732	3909	3754	20- 25	798.5	2341	18.9,18.9
30	3468	3477	3526	3463	3457	3560	3660	3584	25- 30	915.7	3257	26.3,26.3
35	3184	3251	3277	3240	3174	3342	3410	3366	30- 35	994.7	4252	34.3,34.3
40	2878	2951	3027	2934	2872	3031	3160	3065	35- 40	1038	5290	42.7,42.7
45	2559	2652	2777	2638	2549	2731	2910	2765	40- 45	1049	6339	51.2,51.2
50	2231	2359	2528	2348	2223	2438	2660	2472	45- 50	1029	7368	59.5,59.5
55	1903	2075	2254	2068	1896	2156	2381	2189	50- 55	981.9	8350	67.4,67.4
60	1575	1800	1981	1797	1569	1881	2102	1914	55- 60	908.5	9258	74.7,74.7
65	1252	1512	1708	1506	1247	1583	1823	1619	60- 65	813.7	10072	81.3,81.3
70	935.0	1236	1435	1229	932.1	1298	1544	1337	65- 70	701.9	10774	87,87
75	633.2	973.1	1162	964.1	631.3	1027	1265	1067	70- 75	578.0	11352	91.7,91.7
80	357.3	729.7	960.7	720.2	357.5	775.0	1048	815.7	75- 80	452.8	11805	95.3,95.3
85	138.5	543.0	759.8	543.5	141.6	578.0	831.8	610.5	80- 85	340.2	12145	98.1,98.1
90	37.00	362.9	558.8	373.1	56.49	388.3	615.3	411.5	85- 90	240.9	12386	100,100
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		

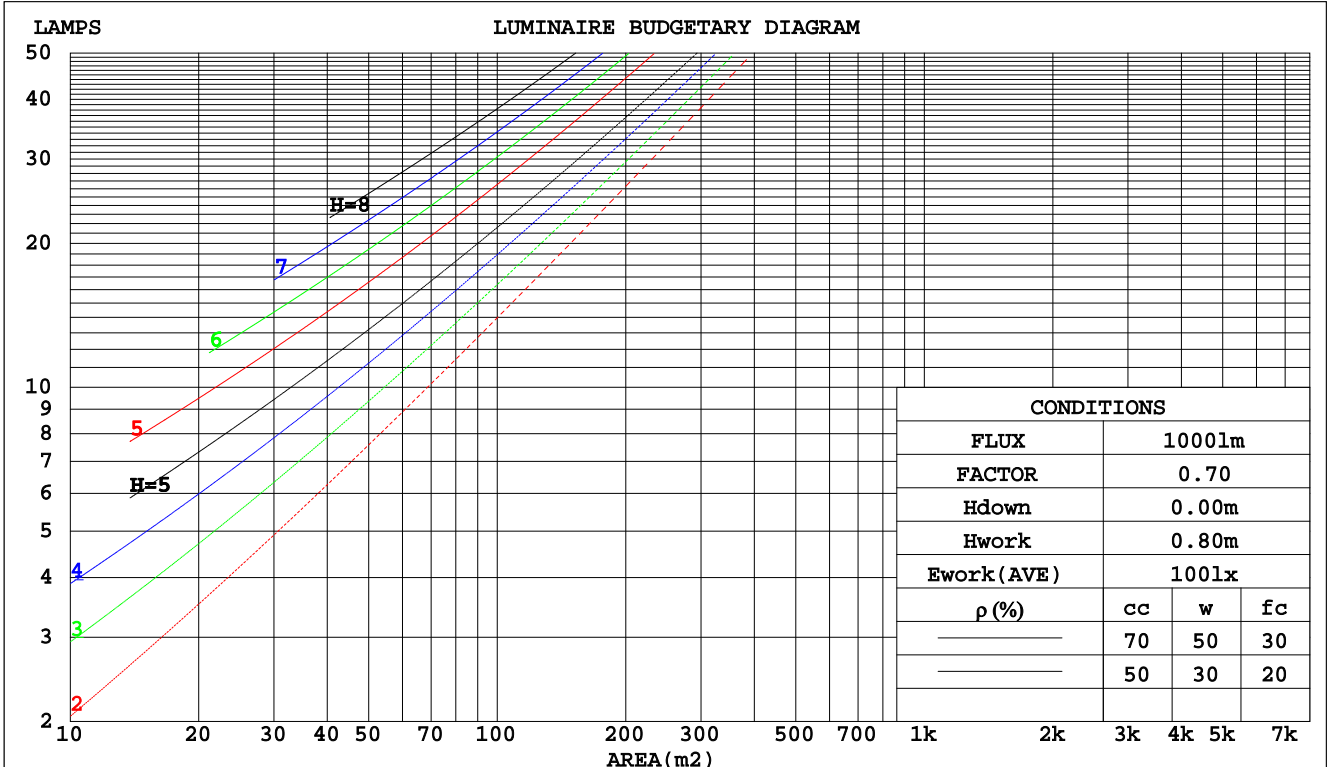
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:Peter
 Test Date:2020-03-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity:50%
 Test Distance:8.900m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.9V I:0.7714A P:92.52W PF:0.9931 Lamp Flux:12385.6x1 lm		
NAME: ASD-LSF5-8A90AC-PRM (90W 4000K)	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 2438*66*68mm	SERIAL No.:
MFR.: ASD lighting corp.	SUR.:2438*66*68mm	PROTECTION 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	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.02	.97	.93	.00	.95	.91	.95	.92	.89	.91	.89	.86	.88	.85	.83	.81
2.0	.88	.81	.75	.87	.80	.74	.83	.77	.72	.80	.75	.71	.76	.73	.69	.67
3.0	.77	.69	.62	.76	.68	.61	.73	.66	.60	.70	.64	.59	.67	.62	.58	.56
4.0	.69	.59	.52	.67	.59	.52	.65	.57	.51	.62	.56	.51	.60	.54	.50	.48
5.0	.61	.52	.45	.60	.51	.45	.58	.50	.44	.56	.49	.44	.54	.48	.43	.41
6.0	.55	.46	.39	.54	.45	.39	.52	.45	.39	.51	.44	.38	.49	.43	.38	.36
7.0	.50	.41	.35	.49	.41	.35	.48	.40	.34	.46	.39	.34	.45	.39	.34	.32
8.0	.46	.37	.31	.45	.37	.31	.44	.36	.31	.42	.35	.30	.41	.35	.30	.28
9.0	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.27	.38	.32	.27	.25
10.0	.39	.31	.25	.38	.30	.25	.37	.30	.25	.36	.30	.25	.35	.29	.25	.23



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:Peter
 Test Date:2020-03-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity:50%
 Test Distance:8.900m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:119.9V I:0.7714A P:92.52W PF:0.9931 Lamp Flux:12385.6x1 lm		
NAME: ASD-LSF5-8A90AC-PRM (90W 4000K)	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 2438*66*68mm	SERIAL No.:
MFR.: ASD lighting corp.	SUR.:2438*66*68mm	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	.344	.196	.062	.337	.192	.061	.324	.186	.059	.312	.180	.058	.300	.174	.056	
2.0	.311	.170	.052	.305	.168	.052	.293	.163	.051	.282	.158	.049	.272	.154	.048	
3.0	.282	.150	.045	.277	.148	.045	.266	.144	.044	.256	.141	.043	.247	.137	.042	
4.0	.258	.134	.039	.253	.132	.039	.243	.129	.039	.235	.126	.038	.227	.123	.038	
5.0	.236	.120	.035	.232	.119	.035	.224	.116	.034	.216	.114	.034	.209	.112	.034	
6.0	.218	.109	.031	.214	.108	.031	.207	.106	.031	.200	.104	.031	.194	.102	.030	
7.0	.202	.100	.028	.199	.099	.028	.192	.097	.028	.186	.095	.028	.180	.094	.028	
8.0	.188	.092	.026	.185	.091	.026	.179	.090	.026	.174	.088	.025	.169	.087	.025	
9.0	.176	.085	.024	.173	.084	.024	.168	.083	.024	.163	.082	.023	.159	.081	.023	
10.0	.165	.079	.022	.163	.079	.022	.158	.077	.022	.154	.076	.022	.149	.075	.022	

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.183	.156	.132	.156	.134	.113	.107	.092	.078	.062	.053	.046	.020	.017	.015	
2.0	.175	.132	.096	.150	.113	.083	.103	.079	.058	.059	.046	.034	.019	.015	.011	
3.0	.167	.114	.073	.143	.099	.063	.098	.069	.044	.057	.040	.026	.018	.013	.009	
4.0	.159	.101	.057	.136	.087	.050	.094	.061	.035	.054	.036	.021	.017	.012	.007	
5.0	.151	.091	.046	.130	.079	.040	.089	.055	.028	.052	.032	.017	.017	.011	.006	
6.0	.144	.082	.039	.124	.071	.034	.085	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.137	.076	.033	.118	.066	.029	.081	.046	.020	.047	.027	.012	.015	.009	.004	
8.0	.130	.070	.028	.112	.061	.025	.077	.042	.018	.045	.025	.010	.015	.008	.003	
9.0	.124	.065	.025	.107	.056	.022	.074	.040	.015	.043	.023	.009	.014	.008	.003	
10.0	.118	.060	.022	.102	.053	.019	.071	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:Peter
 Test Date:2020-03-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity:50%
 Test Distance:8.900m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:119.9V I:0.7714A P:92.52W PF:0.9931 Lamp Flux:12385.6x1 lm										
NAME: ASD-LSF5-8A90AC-PRM (90W 4000K)					TYPE:LED			WEIGHT:		
SPEC.:					DIM.: 2438*66*68mm			SERIAL No.:		
MFR.: ASD lighting corp.					SUR.:2438*66*68mm			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	22.9	24.5	23.2	24.7	24.9	24.0	25.5	24.2	25.7	25.9
3H	24.3	25.7	24.6	26.0	26.2	25.9	27.4	26.2	27.6	27.8
4H	24.8	26.2	25.1	26.4	26.7	26.9	28.3	27.2	28.5	28.8
6H	25.1	26.4	25.5	26.7	27.0	27.9	29.2	28.2	29.5	29.8
8H	25.2	26.5	25.6	26.8	27.1	28.5	29.7	28.8	30.0	30.3
12H	25.3	26.5	25.6	26.8	27.1	29.1	30.3	29.4	30.6	30.9
4H 2H	23.7	25.1	24.0	25.4	25.6	24.5	25.9	24.8	26.2	26.4
3H	25.3	26.5	25.7	26.8	27.2	26.7	27.9	27.1	28.2	28.5
4H	26.0	27.1	26.4	27.4	27.8	27.8	29.0	28.2	29.3	29.6
6H	26.5	27.5	26.9	27.8	28.2	29.1	30.1	29.5	30.4	30.8
8H	26.6	27.6	27.1	27.9	28.3	29.8	30.7	30.2	31.1	31.5
12H	26.7	27.6	27.2	28.0	28.4	30.5	31.4	30.9	31.8	32.2
8H 4H	26.6	27.5	27.0	27.9	28.3	28.2	29.1	28.6	29.5	29.8
6H	27.3	28.1	27.8	28.5	28.9	29.6	30.4	30.1	30.8	31.3
8H	27.6	28.3	28.1	28.7	29.2	30.5	31.2	31.0	31.6	32.1
12H	27.8	28.4	28.3	28.9	29.4	31.5	32.1	32.0	32.6	33.0
12H 4H	26.7	27.6	27.1	28.0	28.4	28.2	29.0	28.6	29.4	29.8
6H	27.6	28.3	28.1	28.7	29.2	29.7	30.4	30.2	30.9	31.3
8H	28.0	28.6	28.5	29.1	29.5	30.7	31.3	31.2	31.8	32.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.2					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 12386 lm Total Lamp Luminous Flux. (8log(F/F0) = 8.7)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:Peter
 Test Date:2020-03-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity:50%
 Test Distance:8.900m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:119.9V I:0.7714A P:92.52W PF:0.9931 Lamp Flux:12385.6x1 lm		
NAME: ASD-LSF5-8A90AC-PRM (90W 4000K)	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 2438*66*68mm	SERIAL No.:
MFR.: ASD lighting corp.	SUR.:2438*66*68mm	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	57	45	38	56	45	38	55	44	37	31
0.80	66	54	47	65	54	47	64	53	46	39
1.00	75	63	55	73	62	55	71	64	55	47
1.25	81	71	63	80	70	63	77	68	62	54
1.50	86	76	69	85	75	68	82	73	67	59
2.00	93	84	77	91	83	76	88	81	75	67
2.50	97	89	82	95	87	81	91	85	80	71
3.00	101	93	87	98	92	86	94	89	84	75
4.00	105	99	93	102	97	92	98	93	89	80
5.00	107	102	97	105	100	96	100	96	93	83
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:25DEG
 Operators:Peter
 Test Date:2020-03-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity:50%
 Test Distance:8.900m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

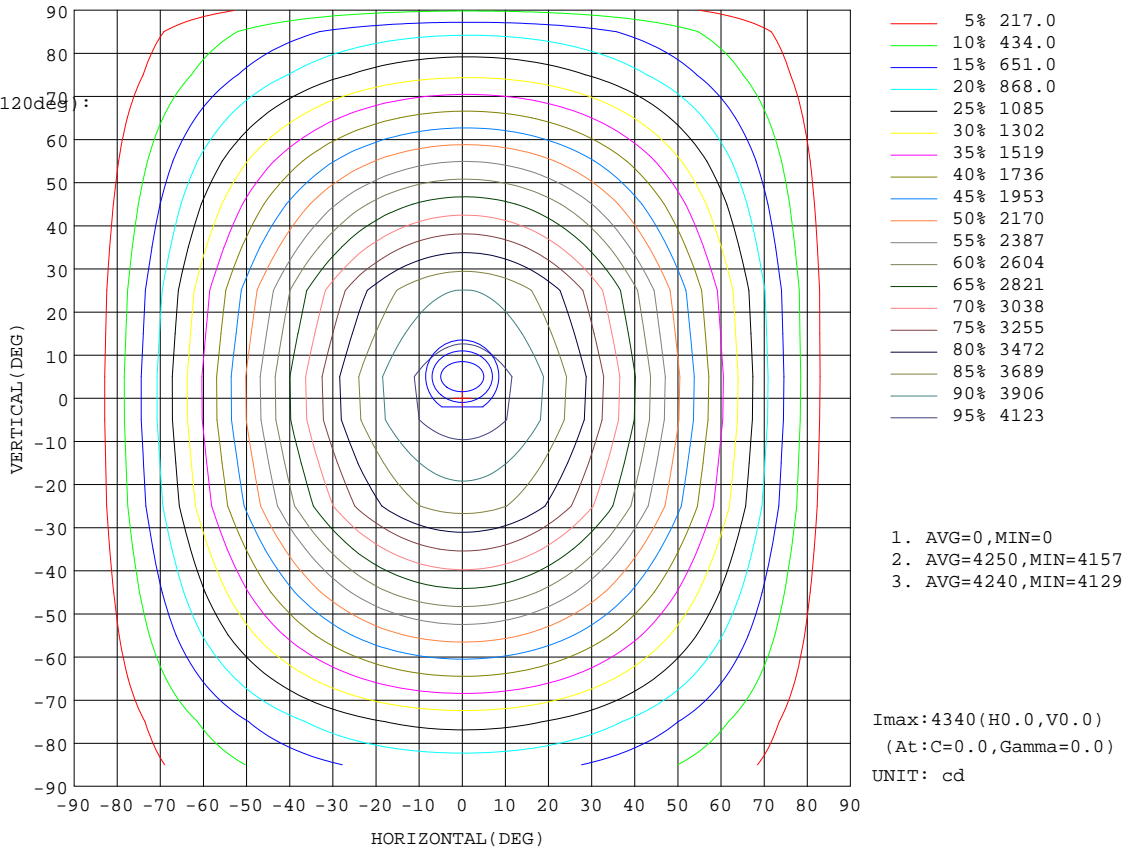
Test:U:119.9V I:0.7714A P:92.52W PF:0.9931 Lamp Flux:12385.6x1 lm		
NAME: ASD-LSF5-8A90AC-PRM (90W 4000K)	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 2438*66*68mm	SERIAL No.:
MFR.:ASD lighting corp.	SUR.:2438*66*68mm	PROTECTION ANGLE:

Conical surface Flux(90deg):

6338.6 lm
 %lum = 51.2%
 %lamp = 51.2%

Conical surface Flux(120deg):

9258.1 lm
 %lum = 74.7%
 %lamp = 74.7%

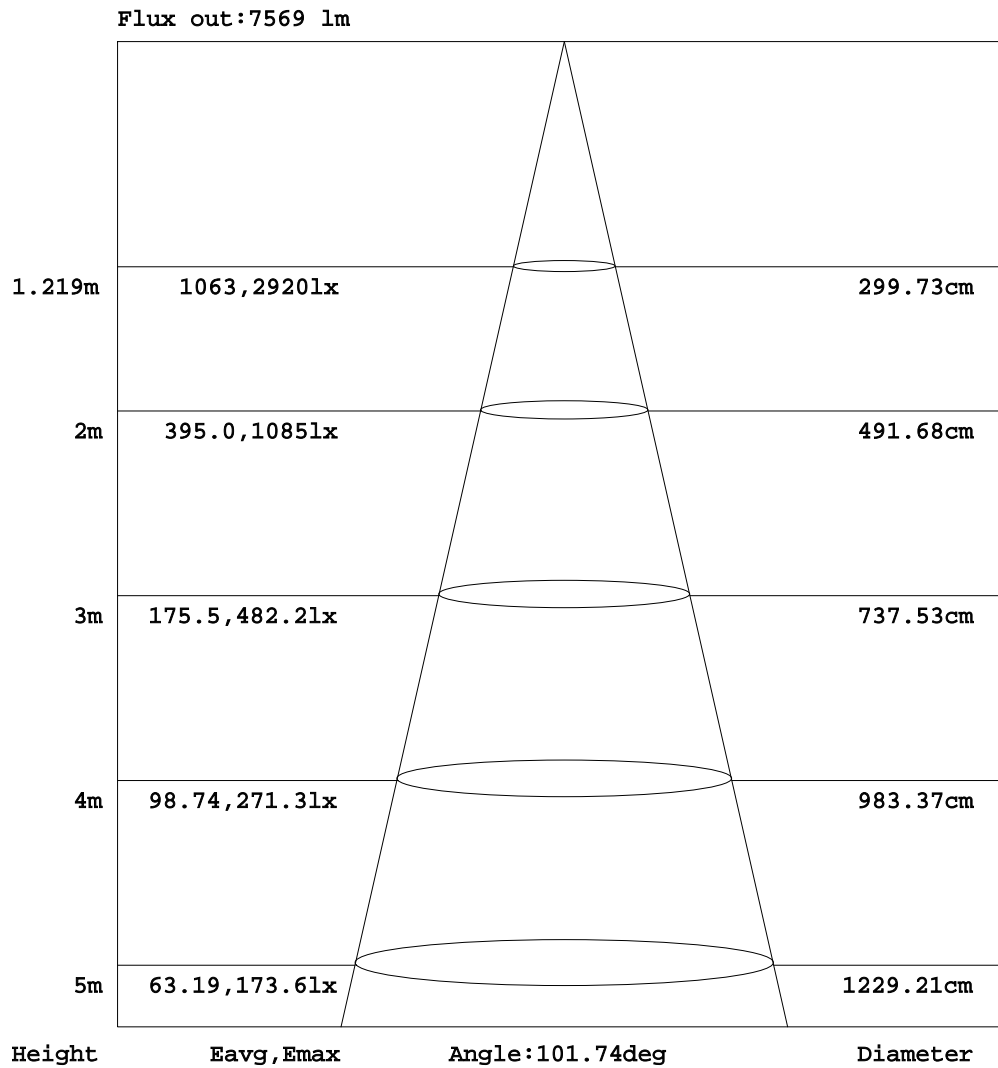


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: Peter
 Test Date: 2020-03-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity: 50%
 Test Distance: 8.900m [K=1.0000]
 Remarks:

AAI Figure

Test:U:119.9V I:0.7714A P:92.52W PF:0.9931 Lamp Flux:12385.6x1 lm		
NAME: ASD-LSF5-8A90AC-PRM (90W 4000K)	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 2438*66*68mm	SERIAL No.:
MFR.: ASD lighting corp.	SUR.:2438*66*68mm	PROTECTION ANGLE:



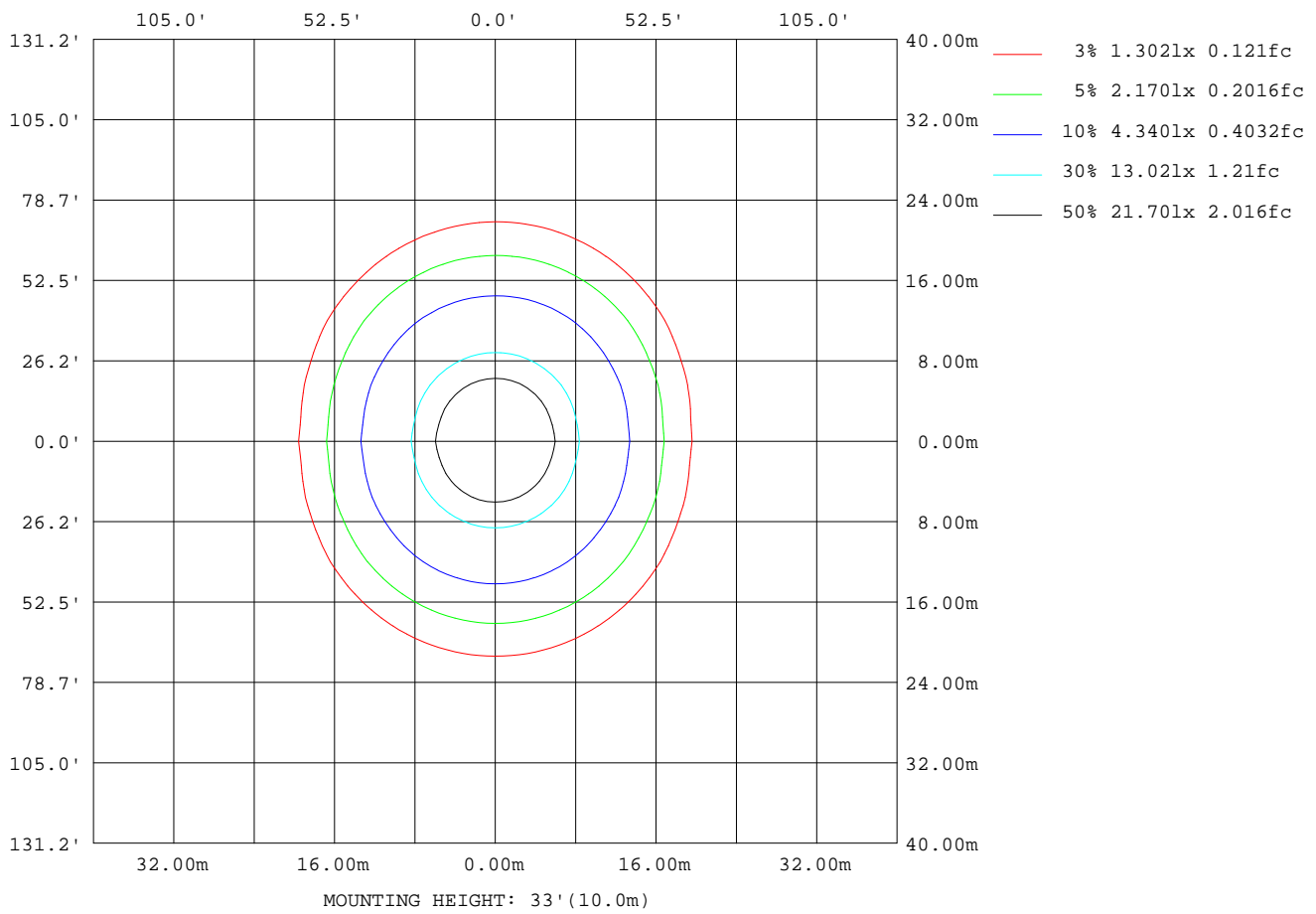
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:Peter
 Test Date:2020-03-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity:50%
 Test Distance:8.900m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:119.9V I:0.7714A P:92.52W PF:0.9931 Lamp Flux:12385.6x1 lm		
NAME: ASD-LSF5-8A90AC-PRM (90W 4000K)	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 2438*66*68mm	SERIAL No.:
MFR.:ASD lighting corp.	SUR.:2438*66*68mm	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:Peter
 Test Date:2020-03-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity:50%
 Test Distance:8.900m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:119.9V I:0.7714A P:92.52W PF:0.9931 Lamp Flux:12385.6x1 lm		
NAME: ASD-LSF5-8A90AC-PRM (90W 4000K)	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 2438*66*68mm	SERIAL No.:
MFR.:ASD lighting corp.	SUR.:2438*66*68mm	PROTECTION ANGLE:

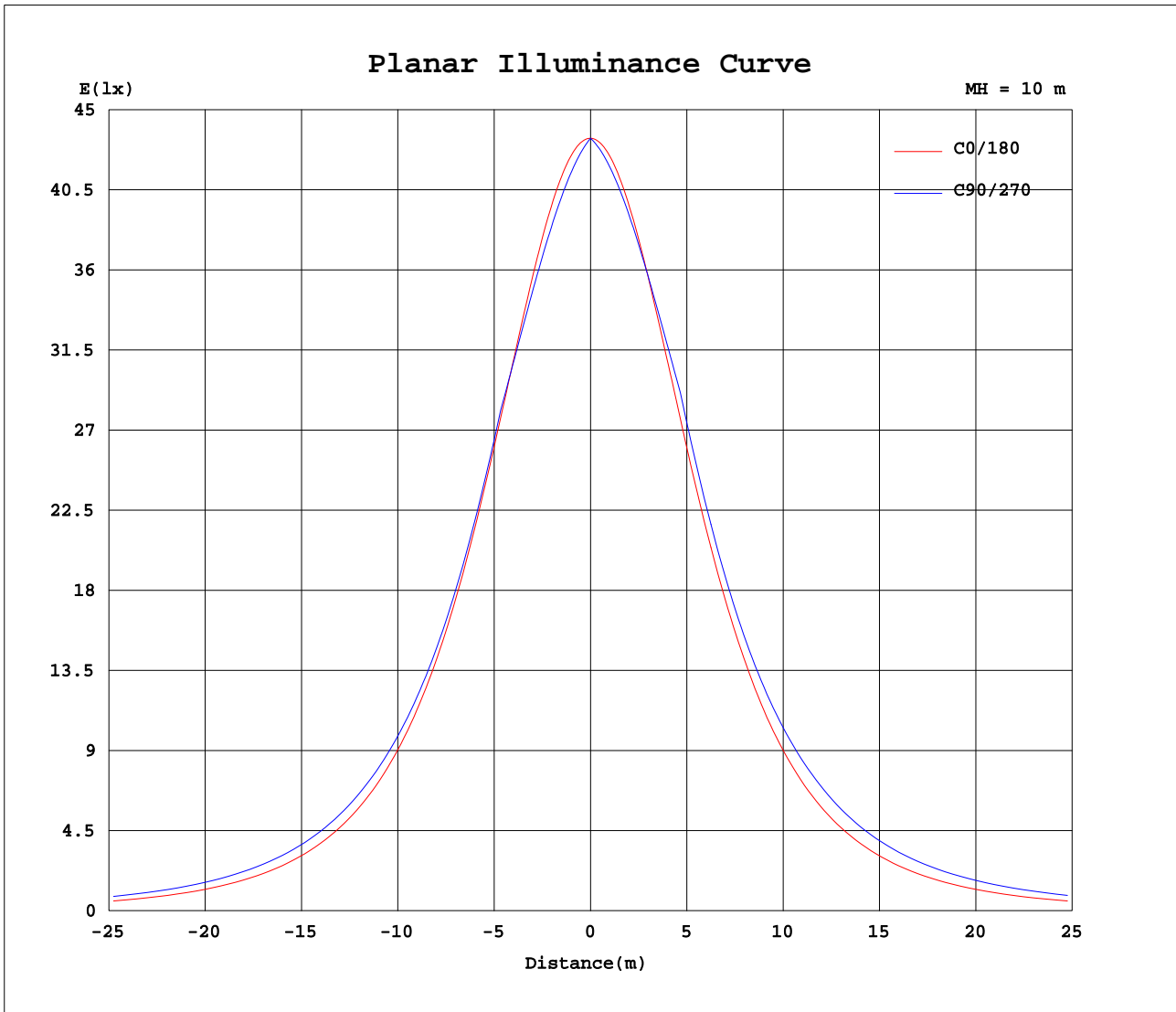
AvgL	cd/m2
L_0~180(65)av	18380
L_0~180(75)av	15183
L_0~180(85)av	9985
L_90~270(65)av	25964
L_90~270(75)av	29133
L_90~270(85)av	56747
L_45(65)av	22867
L_45(75)av	24201
L_45(85)av	40557

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Peter
Test Date:2020-03-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Humidity:50%
Test Distance:8.900m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: Peter
 Test Date: 2020-03-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity: 50%
 Test Distance: 8.900m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table with 3 columns: NAME, TYPE, WEIGHT, SPEC., DIM., SERIAL No., MFR., SUR., PROTECTION ANGLE. Contains test parameters like U:119.9V, I:0.7714A, P:92.52W, PF:0.9931, Lamp Flux:12385.6x1 lm.

Table--1

UNIT: cd

Large data table with C (DEG) on the vertical axis (0-90) and gamma (DEG) on the horizontal axis (0-90). Contains luminous intensity values in cd for various angles.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Peter
Test Date:2020-03-26

gamma Range: 0 - 90DEG
gamma Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Humidity:50%
Test Distance:8.900m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.9V I:0.7714A P:92.52W PF:0.9931 Lamp Flux:12385.6x1 lm		
NAME: ASD-LSF5-8A90AC-PRM (90W 4000K)	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 2438*66*68mm	SERIAL No.:
MFR.: ASD lighting corp.	SUR.:2438*66*68mm	PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185	
0	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340
5	4227	4228	4229	4230	4232	4235	4238	4242	4246	4251	4256	4262	4269	4276	4285	4293	4302	4312	4305	4305
10	4114	4114	4114	4115	4116	4118	4120	4123	4128	4133	4139	4147	4157	4169	4182	4197	4214	4232	4218	4218
15	4001	3999	3997	3995	3992	3989	3987	3986	3986	3988	3992	3998	4007	4019	4035	4054	4077	4103	4083	4083
20	3887	3883	3878	3870	3861	3852	3843	3833	3826	3820	3817	3818	3822	3832	3847	3867	3894	3928	3902	3902
25	3773	3766	3756	3742	3725	3707	3687	3668	3650	3633	3621	3613	3612	3618	3629	3647	3674	3712	3683	3683
30	3525	3524	3521	3519	3517	3515	3517	3493	3463	3436	3412	3386	3370	3364	3370	3386	3415	3457	3425	3425
35	3275	3271	3265	3259	3251	3244	3239	3237	3240	3221	3176	3142	3114	3097	3094	3104	3130	3174	3141	3141
40	3024	3019	3010	2999	2986	2974	2960	2949	2934	2927	2926	2890	2847	2817	2804	2808	2829	2872	2838	2838
45	2774	2767	2756	2741	2724	2705	2685	2659	2638	2619	2608	2606	2578	2528	2499	2490	2506	2549	2516	2516
50	2524	2516	2503	2485	2468	2438	2409	2378	2348	2319	2299	2279	2276	2239	2195	2175	2183	2223	2193	2193
55	2251	2243	2231	2215	2196	2171	2143	2106	2068	2032	1993	1966	1944	1941	1895	1862	1860	1896	1867	1867
60	1978	1969	1956	1938	1915	1888	1858	1827	1797	1752	1709	1664	1630	1612	1602	1551	1537	1569	1545	1545
65	1704	1696	1681	1663	1638	1610	1578	1543	1506	1469	1432	1383	1335	1298	1279	1249	1221	1247	1228	1228
70	1431	1423	1409	1391	1366	1337	1304	1268	1229	1189	1146	1104	1062	1009	969	956	914	932	920	920
75	1158	1150	1137	1120	1097	1070	1038	1003	964	922	878	833	787	743	690	653	625	631	629	629
80	957	948	932	910	883	850	811	768	720	671	630	586	539	492	444	395	366	357	368	368
85	757	749	734	715	690	660	625	586	544	497	448	396	341	284	239	197	156	142	156	156
90	557	550	538	521	499	473	443	409	373	335	295	253	211	169	128	93.2	66.9	56.5	58.4	58.4

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:Peter
 Test Date:2020-03-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity:50%
 Test Distance:8.900m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table with test parameters: Test:U:119.9V I:0.7714A P:92.52W PF:0.9931 Lamp Flux:12385.6x1 lm, NAME: ASD-LSF5-8A90AC-PRM (90W 4000K), TYPE:LED, WEIGHT:, SPEC.:', DIM.: 2438*66*68mm, SERIAL No.:', MFR.: ASD lighting corp., SUR.:2438*66*68mm, PROTECTION ANGLE:.

Table--3

UNIT: cd

Large data table with columns for C (DEG) and γ (DEG) and rows of intensity values from 0 to 90 degrees.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:Peter
Test Date:2020-03-26

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Humidity:50%
Test Distance:8.900m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.9V I:0.7714A P:92.52W PF:0.9931 Lamp Flux:12385.6x1 lm		
NAME: ASD-LSF5-8A90AC-PRM (90W 4000K)	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 2438*66*68mm	SERIAL No.:
MFR.: ASD lighting corp.	SUR.:2438*66*68mm	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	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340	4340				
5	4255	4256	4258	4260	4262	4265	4267	4271	4275	4279	4284	4289	4295	4301	4308				
10	4168	4168	4168	4168	4168	4169	4170	4172	4175	4180	4186	4193	4202	4212	4225				
15	4078	4074	4070	4065	4060	4055	4050	4047	4046	4047	4049	4055	4064	4076	4091				
20	3985	3976	3965	3953	3938	3924	3911	3898	3888	3881	3877	3878	3884	3895	3913				
25	3891	3875	3855	3832	3807	3781	3754	3729	3706	3688	3674	3667	3666	3675	3693				
30	3660	3659	3657	3657	3657	3626	3584	3543	3505	3473	3446	3428	3421	3423	3439				
35	3405	3399	3392	3383	3376	3370	3366	3347	3292	3241	3199	3167	3148	3143	3155				
40	3149	3139	3126	3110	3094	3078	3065	3054	3049	2998	2937	2888	2856	2843	2850				
45	2895	2880	2861	2840	2815	2790	2765	2742	2724	2711	2668	2604	2558	2533	2532				
50	2641	2623	2600	2573	2541	2507	2472	2436	2404	2380	2367	2318	2256	2218	2208				
55	2365	2349	2329	2304	2275	2233	2189	2143	2100	2061	2033	2020	1956	1903	1884				
60	2084	2066	2043	2015	1984	1950	1914	1865	1811	1760	1715	1685	1664	1594	1562				
65	1804	1785	1761	1732	1697	1660	1619	1577	1535	1477	1418	1370	1341	1294	1246				
70	1525	1507	1483	1454	1419	1380	1337	1291	1243	1195	1146	1080	1028	1004	940				
75	1248	1231	1209	1181	1148	1110	1067	1021	971	919	866	813	749	698	652				
80	1026	1005	978	945	907	863	816	766	718	667	612	556	498	437	394				
85	810	790	764	732	696	655	610	562	511	457	399	340	285	230	177				
90	594	575	551	522	489	452	411	369	325	280	234	188	144	101	68.2				

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:Peter
 Test Date:2020-03-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity:50%
 Test Distance:8.900m [K=1.0000]
 Remarks: