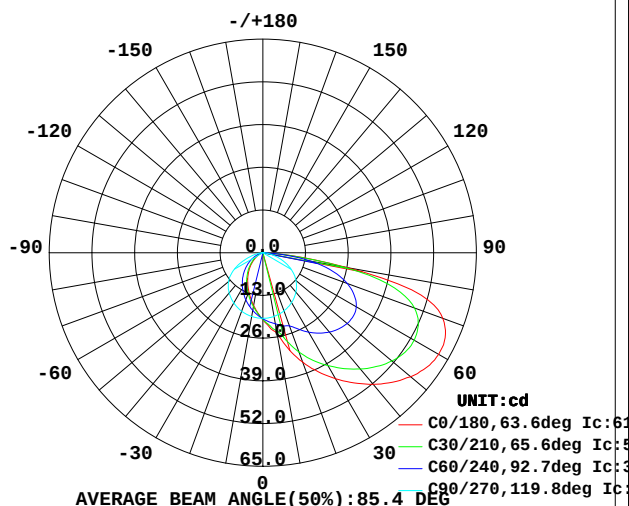


LUMINAIRE PHOTOMETRIC TEST REPORT

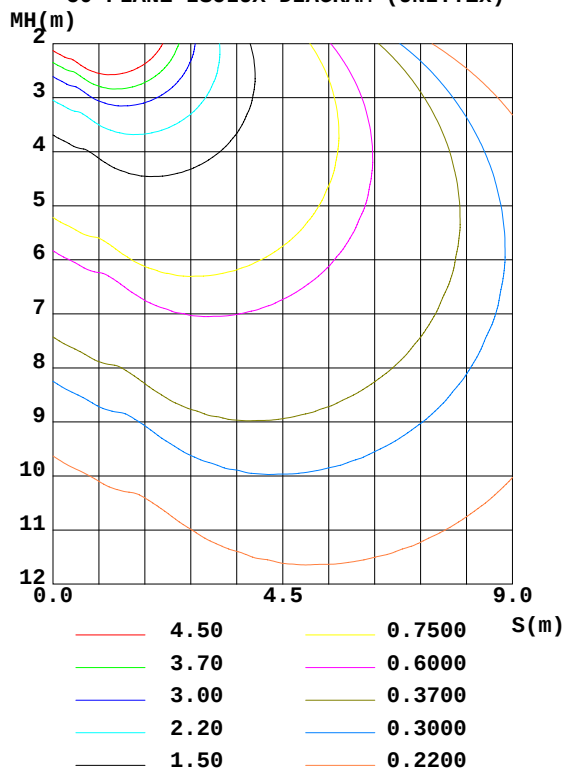
Test:U:120.0V I:0.0254A P:2.847W PF:0.9338 Lamp Flux:114.878x1 lm		
NAME: ASD-LSTL-H01W-N3CC-PC-BZ-WH-BK 5000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 40.35 lm/W			
MODEL ASD-LSTL-H01W-D3CC-BK		I _{max} (cd)	61.82	S/MH(C0/180)	0.75
NOMINAL POWER(W)	3	LOR(%)	100.0	S/MH(C90/270)	1.32
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	114.88	η UP, DN(C0-180)	1.0, 53.2
NOMINAL FLUX(lm)	114.878	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.1, 44.7
LAMPS INSIDE	1	η up(%)	2.1	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	120	η down(%)	97.9	CIBSE SHR MAX	1.50

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-03-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_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	25.05	23.33	19.68	16.88	16.28	17.11	19.69	23.06	0- 10	1.915	1.915	1.67,1.67
20	35.36	28.20	18.84	13.76	12.53	13.92	18.92	28.15	10- 20	5.826	7.741	6.74,6.74
30	44.30	34.60	17.51	10.76	9.259	10.83	17.70	35.08	20- 30	10.08	17.82	15.5,15.5
40	52.27	39.54	15.66	7.958	6.390	7.890	15.98	40.70	30- 40	14.32	32.15	28,28
50	58.72	43.37	13.19	5.390	3.856	5.156	13.66	44.94	40- 50	18.19	50.33	43.8,43.8
60	61.82	44.28	9.871	3.102	1.970	2.894	10.04	46.37	50- 60	20.91	71.24	62,62
70	58.28	39.16	5.832	1.312	0.6308	1.160	5.291	40.73	60- 70	21.11	92.35	80.4,80.4
80	25.95	22.25	1.960	0.4105	0.4426	0.4007	1.723	22.45	70- 80	16.27	108.6	94.5,94.5
90	1.153	0.9772	0.4780	0.3806	0.4737	0.3890	0.3543	0.8792	80- 90	3.843	112.5	97.9,97.9
100	0.3765	0.3197	0.2966	0.3770	0.5123	0.3890	0.3274	0.4001	90-100	0.4846	112.9	98.3,98.3
110	0.3598	0.3197	0.2965	0.3790	0.5214	0.3890	0.3274	0.3973	100-110	0.3985	113.3	98.7,98.7
120	0.3552	0.3197	0.2965	0.3808	0.5167	0.3890	0.3274	0.3945	110-120	0.3712	113.7	99,99
130	0.3521	0.3197	0.2965	0.3941	0.5137	0.3890	0.3274	0.3877	120-130	0.3331	114.0	99.3,99.3
140	0.3428	0.3197	0.2965	0.4127	0.5091	0.3890	0.3332	0.3736	130-140	0.2877	114.3	99.5,99.5
150	0.3394	0.3206	0.2965	0.4101	0.5043	0.3890	0.3373	0.3561	140-150	0.2334	114.6	99.7,99.7
160	0.3481	0.3312	0.3081	0.4044	0.4725	0.3890	0.3459	0.3526	150-160	0.1712	114.7	99.9,99.9
170	0.3559	0.3467	0.3311	0.3757	0.4236	0.3890	0.3606	0.3540	160-170	0.1048	114.8	100,100
180	0.4044	0.3582	0.3582	0.3620	0.4198	0.3736	0.3659	0.3620	170-180	0.0355	114.9	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

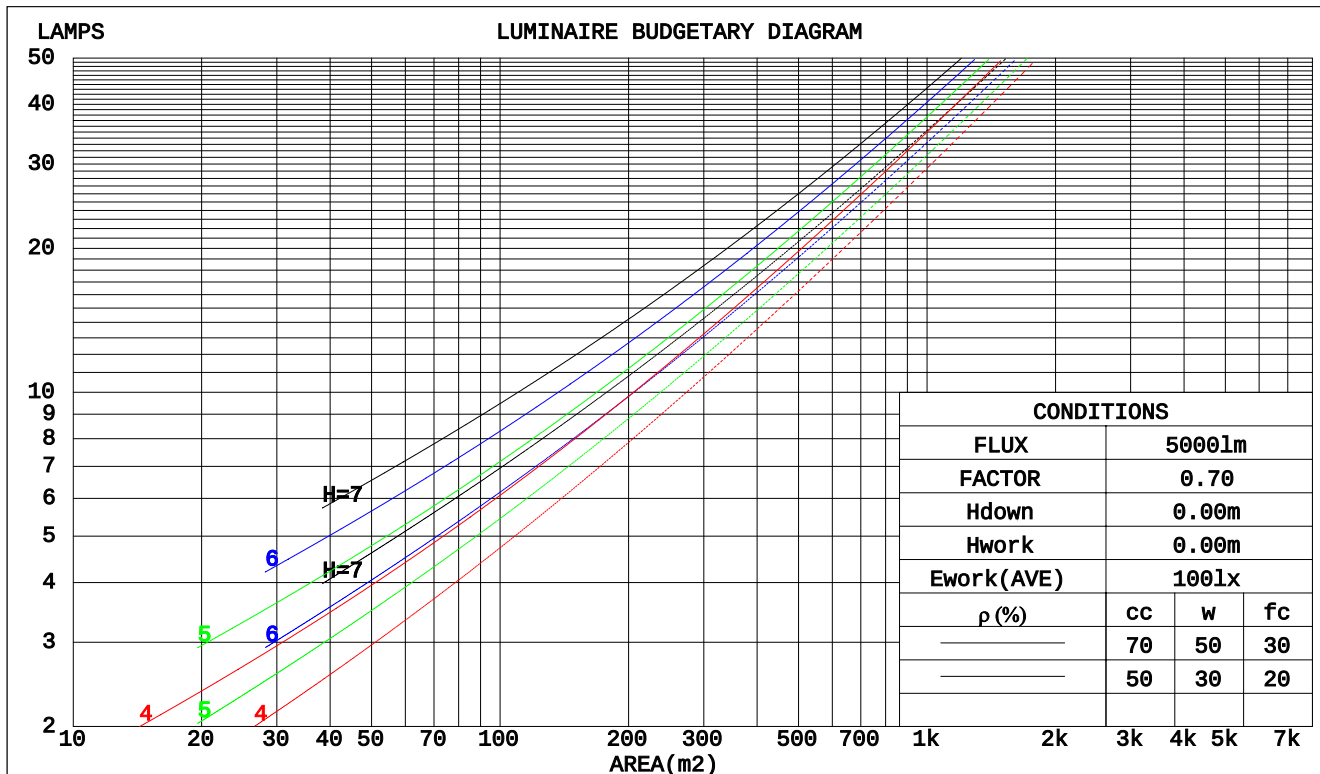
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-03-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.0254A P:2.847W PF:0.9338 Lamp Flux:114.878x1 lm		
NAME: ASD-LSTL-H01W-D3CC-BZ/WH/BK 5000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	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	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	.98
1.0	.99	.94	.89	.97	.92	.88	.92	.88	.84	.88	.84	.81	.84	.81	.79	.76
2.0	.84	.75	.68	.81	.74	.67	.77	.71	.65	.74	.68	.63	.70	.66	.62	.59
3.0	.71	.62	.54	.69	.60	.53	.66	.58	.52	.63	.56	.51	.60	.54	.49	.47
4.0	.62	.51	.44	.60	.51	.43	.57	.49	.42	.54	.47	.41	.52	.46	.41	.38
5.0	.54	.44	.36	.53	.43	.36	.50	.42	.35	.48	.40	.35	.46	.39	.34	.31
6.0	.48	.38	.31	.47	.37	.30	.45	.36	.30	.43	.35	.29	.41	.34	.29	.27
7.0	.43	.33	.26	.42	.33	.26	.40	.32	.26	.38	.31	.25	.37	.30	.25	.23
8.0	.39	.29	.23	.38	.29	.23	.36	.28	.22	.35	.27	.22	.33	.27	.22	.20
9.0	.35	.26	.20	.35	.26	.20	.33	.25	.20	.32	.25	.20	.31	.24	.19	.17
10.0	.32	.24	.18	.32	.23	.18	.30	.23	.18	.29	.22	.17	.28	.22	.17	.15



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-03-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 7.500m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.0V I:0.0254A P:2.847W PF:0.9338 Lamp Flux:114.878x1 lm									
NAME: ASD-LSTL-H01W-D3CC-BZ/WH/BK 5000K					TYPE:LED			WEIGHT:	
SPEC.:					DIM.:			SERIAL No.:	
MFR.: ASD Lighting corp					SUR.:			PROTECTION ANGLE:	

ρ_{CC}	80%			70%			50%			30%			10%			0	
ρ_W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ_{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.384	.219	.069	.377	.215	.068	.362	.207	.066	.348	.201	.064	.335	.194	.063		
2.0	.353	.193	.059	.345	.190	.059	.332	.185	.057	.320	.179	.056	.308	.174	.055		
3.0	.319	.170	.051	.312	.167	.050	.300	.163	.049	.289	.158	.049	.279	.154	.048		
4.0	.288	.150	.044	.282	.148	.044	.272	.144	.043	.262	.141	.042	.253	.137	.042		
5.0	.262	.133	.039	.257	.132	.038	.247	.129	.038	.238	.126	.037	.230	.123	.037		
6.0	.240	.120	.034	.235	.119	.034	.226	.116	.034	.218	.114	.033	.211	.111	.033		
7.0	.220	.109	.031	.216	.108	.031	.209	.105	.030	.201	.103	.030	.195	.101	.030		
8.0	.204	.100	.028	.200	.099	.028	.193	.097	.028	.187	.095	.027	.181	.093	.027		
9.0	.189	.092	.026	.186	.091	.025	.180	.089	.025	.174	.087	.025	.169	.086	.025		
10.0	.177	.085	.024	.174	.084	.023	.168	.082	.023	.163	.081	.023	.158	.079	.023		

ρ _{CC}	80%			70%			50%			30%			10%			0
ρ _W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.207	.207	.207	.177	.177	.177	.120	.120	.120	.069	.069	.069	.022	.022	.022	
1.0	.202	.172	.145	.173	.147	.124	.118	.101	.086	.068	.059	.050	.022	.019	.016	
2.0	.197	.148	.107	.168	.127	.092	.115	.088	.064	.067	.051	.038	.021	.017	.012	
3.0	.190	.131	.084	.163	.113	.073	.112	.079	.051	.065	.046	.030	.021	.015	.010	
4.0	.183	.118	.069	.157	.102	.060	.108	.071	.042	.062	.042	.025	.020	.014	.008	
5.0	.175	.108	.059	.150	.094	.051	.104	.065	.036	.060	.038	.021	.019	.013	.007	
6.0	.168	.100	.052	.144	.087	.045	.099	.061	.032	.058	.036	.019	.019	.012	.006	
7.0	.160	.094	.047	.138	.081	.041	.095	.057	.029	.055	.033	.017	.018	.011	.006	
8.0	.153	.088	.043	.132	.076	.038	.091	.053	.027	.053	.032	.016	.017	.010	.005	
9.0	.146	.083	.040	.126	.072	.035	.087	.051	.025	.051	.030	.015	.016	.010	.005	
10.0	.140	.079	.038	.121	.068	.033	.084	.048	.023	.049	.028	.014	.016	.009	.005	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-03-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.0254A P:2.847W PF:0.9338 Lamp Flux:114.878x1 lm											
NAME: ASD-LSTL-H01W-D3CC-BZ/WH/BK 5000K						TYPE:LED			WEIGHT:		
SPEC.:						DIM.:			SERIAL No.:		
MFR.: ASD Lighting corp						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		16.6	18.4	17.0	18.6	18.9	10.9	12.6	11.2	12.9	13.1
3H		19.9	21.5	20.3	21.8	22.1	12.3	13.9	12.6	14.1	14.4
4H		21.5	23.0	21.8	23.3	23.6	12.7	14.2	13.0	14.5	14.8
6H		22.4	23.8	22.8	24.2	24.5	12.9	14.3	13.3	14.6	15.0
8H		22.5	23.9	22.9	24.3	24.6	12.9	14.3	13.3	14.6	15.0
12H		22.6	23.9	23.0	24.2	24.6	12.9	14.2	13.2	14.5	14.9
4H	2H	17.2	18.7	17.6	19.1	19.4	13.7	15.2	14.1	15.5	15.9
	3H	20.8	22.1	21.2	22.4	22.8	15.4	16.8	15.8	17.1	17.5
	4H	22.5	23.7	22.9	24.1	24.5	16.0	17.3	16.5	17.6	18.0
	6H	23.5	24.6	24.0	25.0	25.5	16.3	17.5	16.8	17.9	18.3
	8H	23.7	24.8	24.2	25.2	25.6	16.4	17.4	16.8	17.8	18.3
	12H	23.8	24.7	24.2	25.2	25.6	16.4	17.3	16.8	17.8	18.2
8H	4H	22.7	23.7	23.2	24.1	24.6	17.9	18.9	18.3	19.3	19.7
	6H	23.9	24.8	24.4	25.3	25.7	18.5	19.4	19.0	19.8	20.3
	8H	24.2	25.0	24.7	25.4	25.9	18.6	19.4	19.1	19.9	20.4
	12H	24.3	25.0	24.8	25.5	26.0	18.6	19.3	19.2	19.8	20.3
12H	4H	22.7	23.6	23.2	24.1	24.5	18.1	19.1	18.6	19.5	20.0
	6H	24.0	24.7	24.5	25.2	25.7	18.9	19.7	19.4	20.1	20.6
	8H	24.3	24.9	24.8	25.4	26.0	19.1	19.8	19.6	20.3	20.8
Variations with the observer position at spacings:											
S = 1.0H		+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H		+ 0.1 / - 0.2					+ 0.2 / - 0.3				
2.0H		+ 0.2 / - 0.3					+ 0.4 / - 0.6				

CIE Pub.117 Corrected 114.9 lm Total Lamp Luminous Flux.(8log(F/F0) = -7.5)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-03-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.0254A P:2.847W PF:0.9338 Lamp Flux:114.878x1 lm		
NAME: ASD-LSTL-H01W-D3CC-BZ/WH/BK 5000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

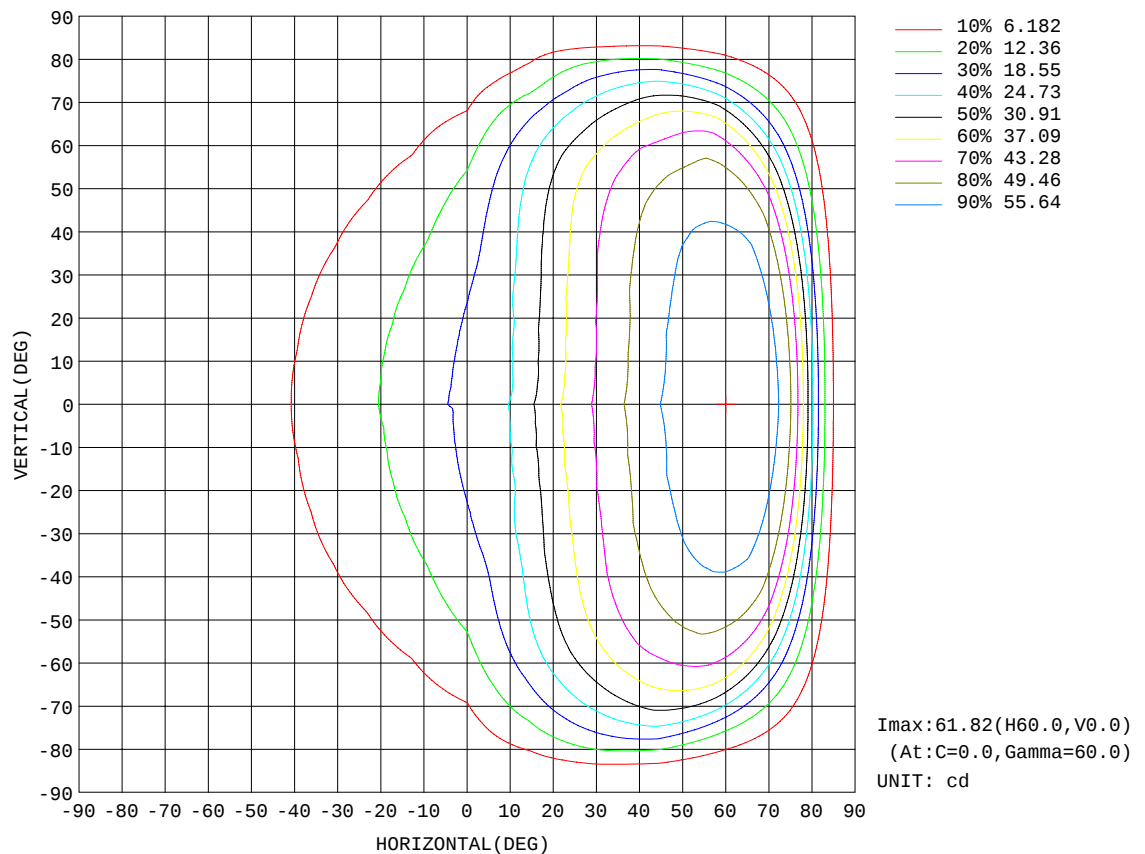
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	48	35	27	48	35	27	46	34	27	20
0.80	58	44	36	57	44	36	55	43	35	27
1.00	66	53	44	65	52	44	62	54	43	35
1.25	74	61	52	72	60	52	69	59	51	42
1.50	80	67	59	78	66	58	74	64	57	48
2.00	88	77	69	86	76	68	81	73	66	57
2.50	93	83	75	90	81	74	86	78	72	62
3.00	97	88	81	94	86	80	90	83	78	67
4.00	102	95	89	99	93	87	94	89	84	74
5.00	105	99	94	102	97	92	97	93	89	78
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:2022-03-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.0254A P:2.847W PF:0.9338 Lamp Flux:114.878x1 lm		
NAME: ASD-LSTL-H01W-D3CC-BZ/WH/BK 5000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

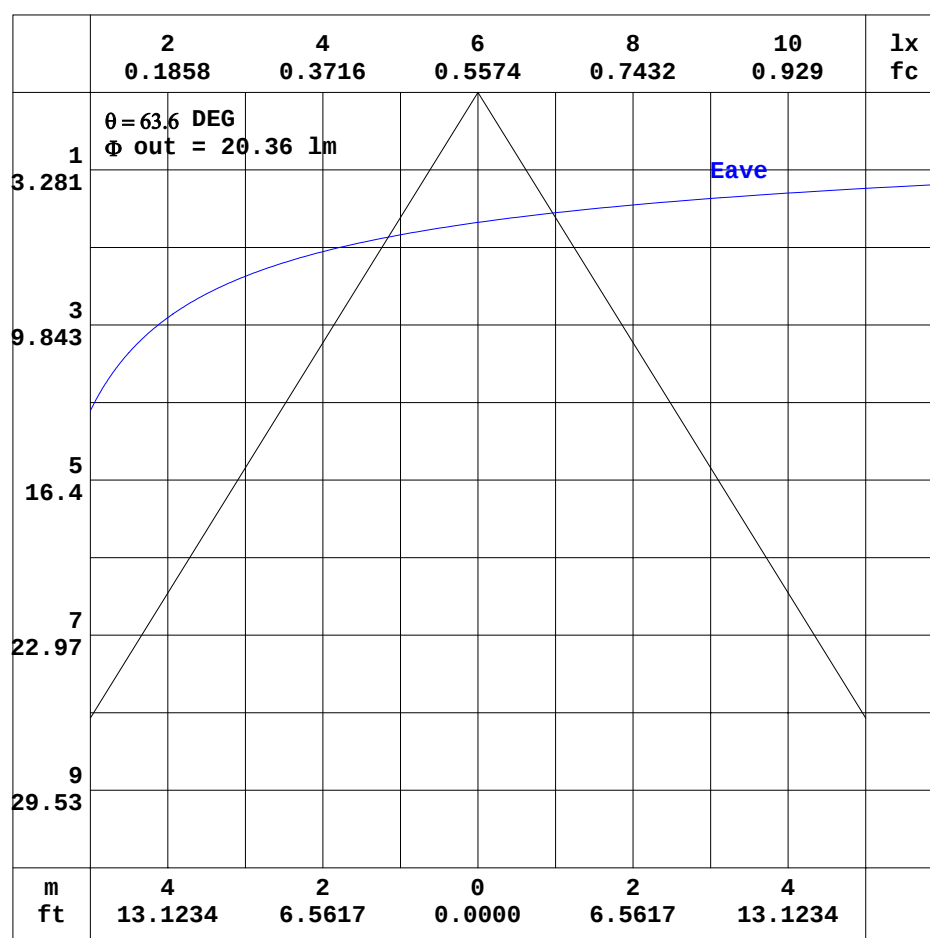


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-03-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.291
Humidity: 65.0%
Test Distance: 7.500m [K=1.0000]
Remarks:

AAI CURVES

Test:U:120.0V I:0.0254A P:2.847W PF:0.9338 Lamp Flux:114.878x1 lm		
NAME: ASD-LSTL-H01W-D3CC-BZ/WH/BK 5000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:



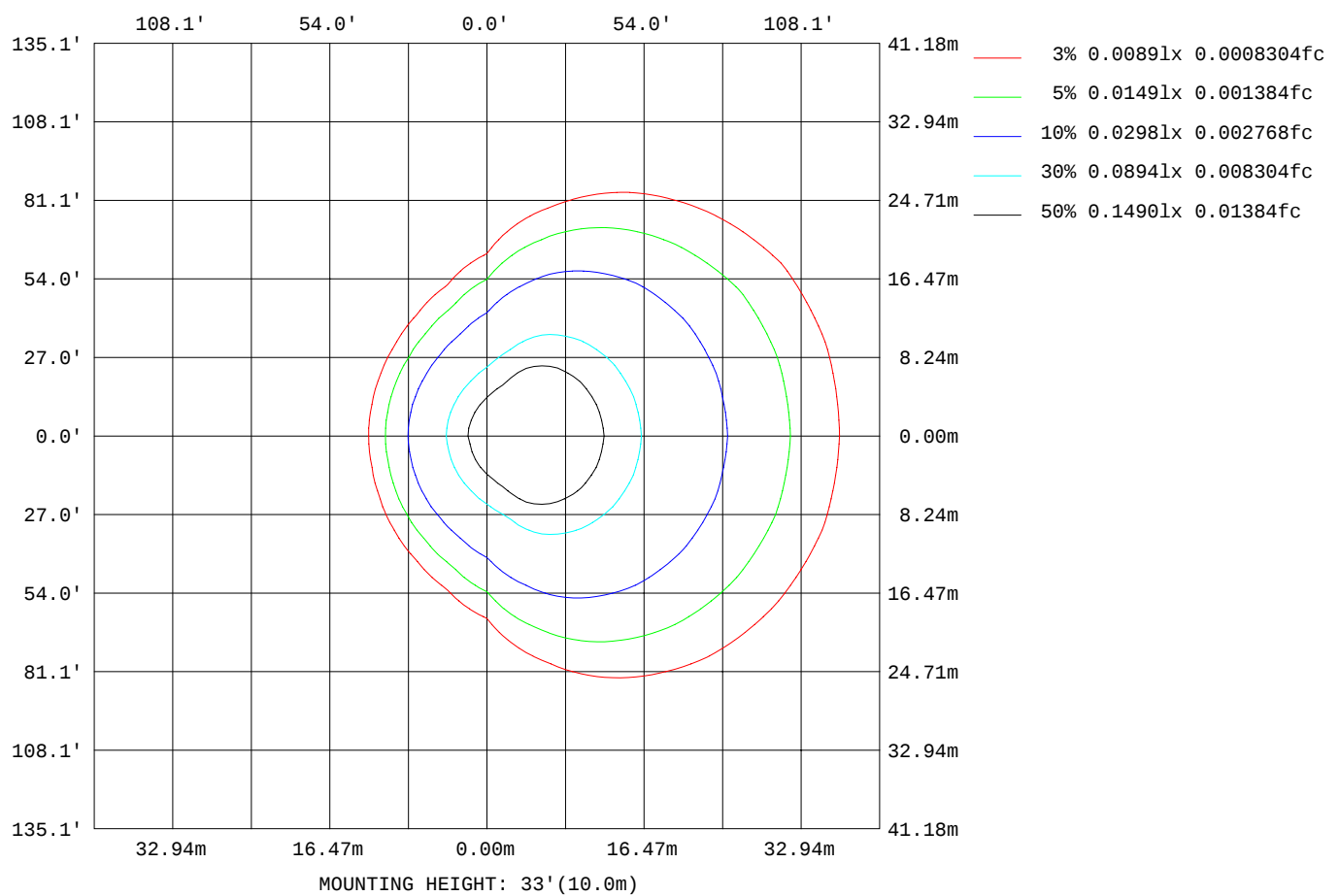
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-03-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 7.500m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.0V I:0.0254A P:2.847W PF:0.9338 Lamp Flux:114.878x1 lm		
NAME: ASD-LSTL-H01W-D3CC-BZ/WH/BK 5000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-03-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 7.500m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.0V I:0.0254A P:2.847W PF:0.9338 Lamp Flux:114.878x1 lm		
NAME: ASD-LSTL-H01W-D3CC-BZ/WH/BK 5000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

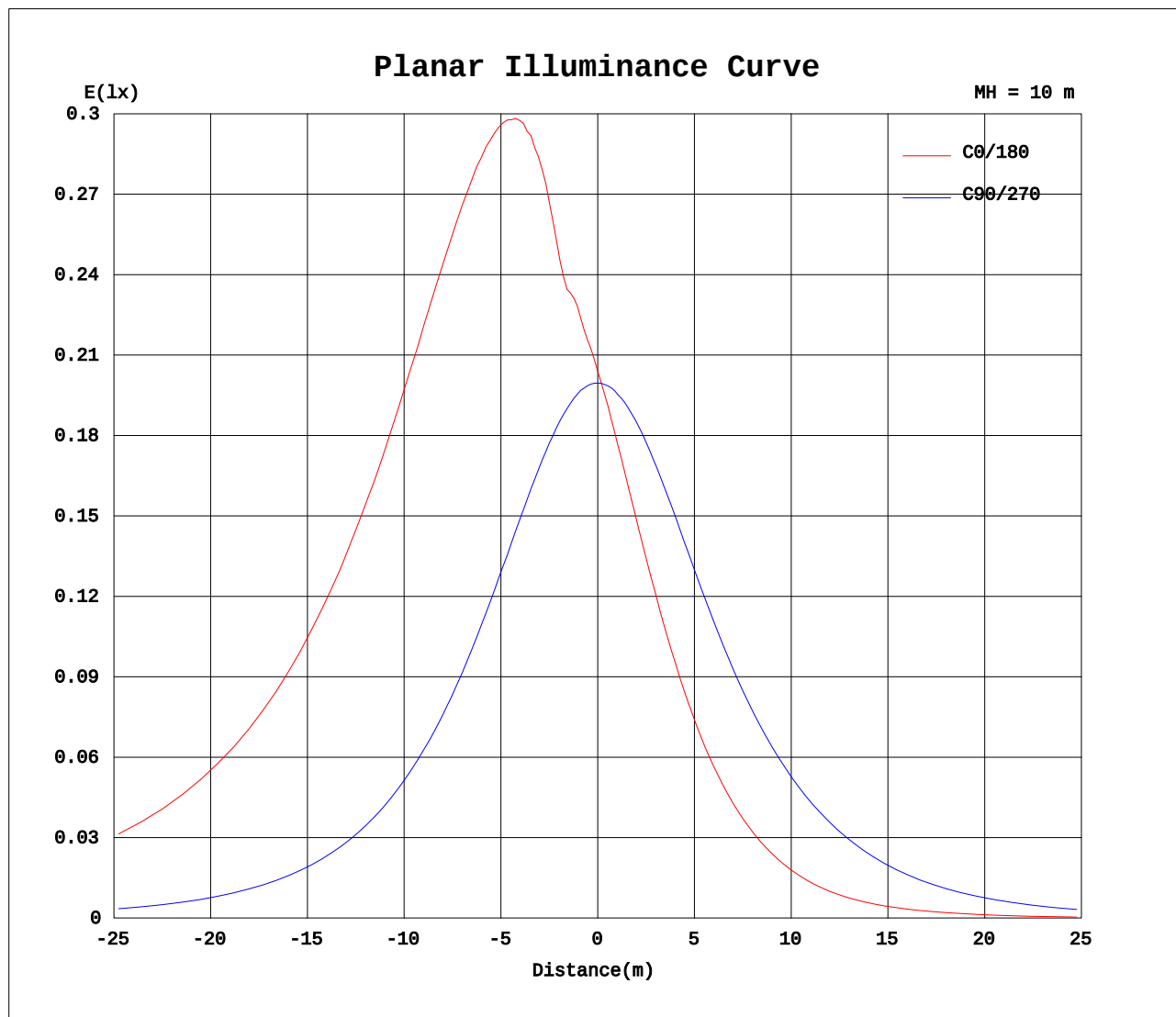
AvgL	cd/m2
L_0~180(65)av	738
L_0~180(75)av	972
L_0~180(85)av	374
L_90~270(65)av	185
L_90~270(75)av	137
L_90~270(85)av	83
L_45(65)av	544
L_45(75)av	663
L_45(85)av	396

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-03-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000B_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: 2022-03-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.291
Humidity: 65.0%
Test Distance: 7.500m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.0254A P:2.847W PF:0.9338 Lamp Flux:114.878x1 lm																		
NAME: ASD-LSTL-H01W-D3CC-BZ/WH/BK 5000K										TYPE:LED					WEIGHT:			
SPEC.:										DIM.:					SERIAL No.:			
MFR.: ASD Lighting corp										SUR.:					PROTECTION ANGLE:			

Table--1

UNIT: cd

γ (DEG) \ C (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	20.4	20.3	20.3	20.2	20.1	20.0	20.0	19.9	19.9	19.9	19.9	19.9	20.4	20.3	20.3	20.2	20.1	20.0	20.0
5	22.6	22.3	22.1	21.6	21.1	20.5	19.9	19.3	18.8	18.4	18.1	18.0	18.3	18.3	18.5	18.6	19.0	19.4	19.9
10	25.1	24.6	24.1	23.3	22.0	20.8	19.7	18.6	17.6	16.9	16.3	16.0	16.3	16.3	16.6	17.1	17.8	18.7	19.7
15	30.4	29.4	27.7	24.7	23.1	21.0	19.3	17.7	16.3	15.3	14.5	14.1	14.4	14.4	14.9	15.5	16.6	17.9	19.4
20	35.4	34.4	32.1	28.2	23.7	21.1	18.8	16.8	15.0	13.8	12.8	12.4	12.5	12.6	13.1	13.9	15.2	16.9	18.9
25	40.0	38.8	36.1	31.6	25.6	21.3	18.2	15.7	13.7	12.2	11.2	10.7	10.8	10.9	11.5	12.4	13.8	15.8	18.4
30	44.3	42.8	39.7	34.6	27.9	21.4	17.5	14.5	12.3	10.8	9.72	9.17	9.26	9.36	9.90	10.8	12.4	14.6	17.7
35	48.4	46.7	43.0	37.2	29.8	21.1	16.6	13.2	10.9	9.33	8.31	7.75	7.78	7.86	8.40	9.32	10.9	13.4	16.9
40	52.3	50.3	46.1	39.5	31.5	21.2	15.7	11.9	9.48	7.96	6.96	6.40	6.39	6.47	6.98	7.89	9.46	12.0	16.0
45	55.8	53.8	48.9	41.7	32.7	21.6	14.5	10.5	8.10	6.65	5.67	5.12	5.08	5.14	5.61	6.49	8.01	10.5	14.9
50	58.7	56.4	51.3	43.4	33.5	21.7	13.2	9.06	6.75	5.39	4.44	3.91	3.86	3.93	4.36	5.16	6.58	8.98	13.7
55	60.9	58.5	52.8	44.3	33.6	21.4	11.6	7.57	5.46	4.20	3.32	2.86	2.81	2.89	3.26	3.95	5.19	7.38	12.0
60	61.8	59.3	53.2	44.3	32.9	20.2	9.87	6.10	4.25	3.10	2.37	2.00	1.97	2.02	2.31	2.89	3.89	5.74	10.0
65	61.2	58.7	52.3	42.8	30.7	18.2	7.93	4.66	3.12	2.14	1.56	1.20	1.17	1.24	1.48	1.97	2.73	4.17	7.75
70	58.3	55.8	49.1	39.2	27.3	15.3	5.83	3.29	2.10	1.31	0.86	0.63	0.63	0.69	0.80	1.16	1.77	2.75	5.29
75	49.8	47.9	41.5	33.1	22.2	11.6	3.79	2.07	1.22	0.66	0.48	0.41	0.47	0.45	0.45	0.59	0.95	1.59	3.30
80	25.9	26.3	24.7	22.3	14.9	6.93	1.96	1.11	0.59	0.41	0.42	0.39	0.44	0.42	0.41	0.40	0.45	0.81	1.72
85	6.06	6.57	6.31	6.65	4.89	2.08	0.81	0.51	0.44	0.38	0.40	0.40	0.46	0.42	0.41	0.39	0.42	0.43	0.63
90	1.15	0.93	1.06	0.98	0.82	0.59	0.48	0.36	0.34	0.38	0.40	0.41	0.47	0.42	0.42	0.39	0.39	0.36	0.35
95	0.57	0.55	0.56	0.56	0.37	0.32	0.32	0.35	0.34	0.38	0.40	0.43	0.49	0.43	0.42	0.39	0.36	0.36	0.33
100	0.38	0.35	0.36	0.32	0.33	0.32	0.30	0.33	0.34	0.38	0.40	0.45	0.51	0.45	0.42	0.39	0.36	0.35	0.33
105	0.37	0.36	0.36	0.32	0.32	0.32	0.30	0.32	0.34	0.38	0.40	0.46	0.52	0.48	0.42	0.39	0.36	0.35	0.33
110	0.36	0.36	0.36	0.32	0.32	0.31	0.30	0.32	0.34	0.38	0.40	0.47	0.52	0.48	0.42	0.39	0.36	0.35	0.33
115	0.36	0.36	0.36	0.32	0.32	0.31	0.30	0.32	0.34	0.38	0.41	0.47	0.52	0.48	0.42	0.39	0.36	0.34	0.33
120	0.36	0.35	0.35	0.32	0.32	0.31	0.30	0.32	0.34	0.38	0.42	0.47	0.52	0.48	0.42	0.39	0.36	0.34	0.33
125	0.35	0.34	0.35	0.32	0.31	0.30	0.30	0.32	0.34	0.38	0.42	0.48	0.52	0.48	0.42	0.39	0.36	0.34	0.33
130	0.35	0.34	0.35	0.32	0.31	0.30	0.30	0.32	0.34	0.39	0.42	0.49	0.51	0.49	0.42	0.39	0.36	0.34	0.33
135	0.35	0.34	0.34	0.32	0.31	0.31	0.30	0.33	0.34	0.40	0.42	0.50	0.51	0.49	0.42	0.39	0.36	0.34	0.33
140	0.34	0.34	0.33	0.32	0.31	0.31	0.30	0.34	0.34	0.41	0.43	0.52	0.51	0.49	0.42	0.39	0.36	0.34	0.33
145	0.34	0.34	0.33	0.32	0.31	0.31	0.30	0.35	0.35	0.41	0.43	0.52	0.51	0.49	0.42	0.39	0.36	0.34	0.34
150	0.34	0.34	0.33	0.32	0.31	0.31	0.30	0.35	0.35	0.41	0.43	0.48	0.50	0.49	0.42	0.39	0.36	0.34	0.34
155	0.34	0.34	0.34	0.33	0.31	0.33	0.30	0.36	0.35	0.41	0.43	0.47	0.49	0.48	0.42	0.39	0.36	0.34	0.34
160	0.35	0.35	0.34	0.33	0.31	0.33	0.31	0.36	0.36	0.40	0.43	0.47	0.47	0.47	0.42	0.39	0.36	0.34	0.35
165	0.35	0.35	0.34	0.34	0.31	0.34	0.32	0.36	0.36	0.39	0.43	0.45	0.44	0.45	0.40	0.39	0.36	0.34	0.35
170	0.36	0.38	0.34	0.35	0.31	0.35	0.33	0.36	0.36	0.38	0.43	0.43	0.42	0.44	0.40	0.39	0.36	0.34	0.36
175	0.37	0.39	0.35	0.35	0.32	0.35	0.34	0.37	0.36	0.37	0.43	0.42	0.42	0.42	0.39	0.39	0.36	0.35	0.36
180	0.40	0.40	0.35	0.36	0.35	0.35	0.36	0.37	0.36	0.36	0.41	0.42	0.42	0.40	0.39	0.37	0.36	0.36	0.37

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-03-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.0254A P:2.847W PF:0.9338 Lamp Flux:114.878x1 lm		
NAME: ASD-LSTL-H01W-D3CC-BZ/WH/BK 5000K	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting corp	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

γ (DEG) \ C (DEG)	285	300	315	330	345													
0	19.9	19.9	19.9	19.9	19.9													
5	20.4	20.9	21.4	21.7	22.0													
10	20.8	21.9	23.1	23.6	24.2													
15	21.0	22.9	24.6	27.0	28.9													
20	21.3	23.8	28.2	31.7	33.9													
25	21.5	25.9	31.8	35.9	38.4													
30	21.5	28.3	35.1	39.7	42.6													
35	21.8	30.4	38.0	43.2	46.6													
40	22.6	32.4	40.7	46.6	50.3													
45	23.1	34.2	43.1	49.5	53.7													
50	23.3	35.4	44.9	52.1	56.5													
55	22.8	35.8	46.1	53.8	58.7													
60	21.4	35.1	46.4	54.6	59.6													
65	19.0	32.2	45.0	53.8	59.1													
70	15.0	28.3	40.7	51.3	56.5													
75	9.53	22.4	34.3	44.9	49.3													
80	5.95	13.9	22.5	27.7	27.9													
85	2.15	3.81	6.36	7.39	7.20													
90	0.48	0.63	0.88	1.04	1.03													
95	0.39	0.40	0.50	0.53	0.52													
100	0.36	0.39	0.40	0.43	0.41													
105	0.35	0.37	0.40	0.42	0.41													
110	0.35	0.36	0.40	0.41	0.41													
115	0.34	0.36	0.40	0.40	0.42													
120	0.34	0.36	0.39	0.39	0.41													
125	0.34	0.34	0.39	0.38	0.41													
130	0.33	0.34	0.39	0.37	0.41													
135	0.33	0.34	0.38	0.37	0.41													
140	0.33	0.34	0.37	0.36	0.40													
145	0.33	0.34	0.36	0.36	0.39													
150	0.33	0.34	0.36	0.36	0.38													
155	0.33	0.35	0.35	0.36	0.37													
160	0.33	0.34	0.35	0.36	0.37													
165	0.33	0.35	0.35	0.37	0.37													
170	0.33	0.36	0.35	0.37	0.38													
175	0.35	0.36	0.35	0.38	0.38													
180	0.36	0.36	0.36	0.38	0.42													

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-03-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks: