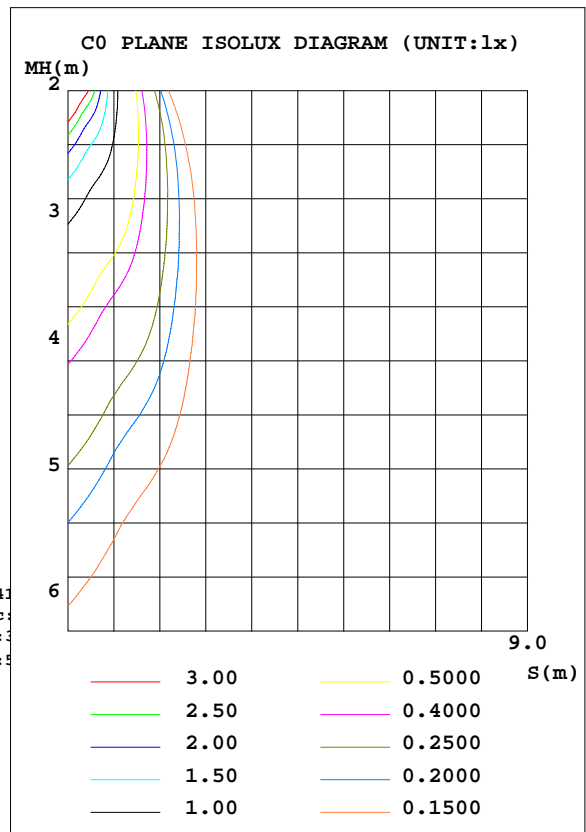
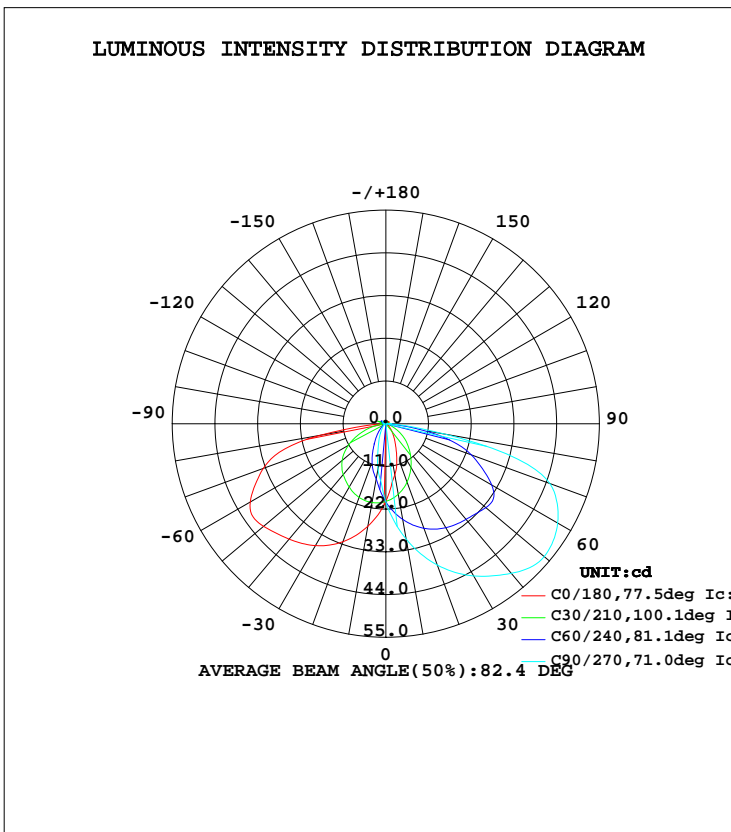


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.9V I:0.0260A P:2.920W PF:0.9357 Lamp Flux:108.861x1 lm		
NAME: ASD-LSTL-H01W-N350-PC-MS-XX	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 37.28 lm/W			
MODEL	STL-H01W-N350-PC-MS-XX	Imax(cd)	61.36	S/MH(C0/180)	2.46
NOMINAL POWER(W)	3	LOR(%)	100.0	S/MH(C90/270)	0.41
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	108.86	η UP, DN(C0-180)	1.3,77.9
NOMINAL FLUX(lm)	108.861	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.9,19.0
LAMPS INSIDE	1	η up(%)	3.2	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)		η down(%)	96.8	CIBSE SHR MAX	1.30



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators: Test  
 Date:2019-11-20

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

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum,lamp
10	13.38	21.81	30.14	32.01	26.80	17.25	11.83	10.34	0- 10	1.926	1.926	1.77,1.77
20	8.082	22.48	38.70	42.67	32.33	13.80	5.634	4.605	10- 20	5.882	7.808	7.17,7.17
30	4.305	22.14	45.25	51.02	36.23	10.77	2.833	2.266	20- 30	9.945	17.75	16.3,16.3
40	2.301	21.23	50.27	57.75	38.78	7.448	1.459	1.260	30- 40	13.93	31.69	29.1,29.1
50	1.145	20.12	53.24	60.95	41.10	4.089	0.8275	0.7513	40- 50	17.61	49.30	45.3,45.3
60	0.6397	16.03	51.09	59.23	40.32	1.842	0.5273	0.5239	50- 60	19.95	69.24	63.6,63.6
70	0.4200	10.35	44.91	52.82	33.57	0.7901	0.4160	0.4468	60- 70	19.63	88.87	81.6,81.6
80	0.3467	3.687	15.52	15.05	17.40	0.3583	0.4392	0.4390	70- 80	13.99	102.9	94.5,94.5
90	0.4617	0.2620	1.389	1.571	0.6774	0.7386	0.5741	0.5006	80- 90	2.557	105.4	96.8,96.8
100	0.6545	0.2888	0.3736	0.3658	0.3967	1.621	0.8127	0.6238	90-100	0.7808	106.2	97.6,97.6
110	0.7325	0.3274	0.3004	0.3389	0.3507	0.5374	0.5577	0.6316	100-110	0.5536	106.8	98.1,98.1
120	0.9743	0.3351	0.3081	0.2965	0.3543	2.201	0.8447	0.6162	110-120	0.5783	107.3	98.6,98.6
130	0.7552	0.3582	0.3081	0.2811	0.3505	0.4509	0.9657	0.5393	120-130	0.5431	107.9	99.1,99.1
140	0.6424	0.4005	0.2927	0.2734	0.3622	0.4275	0.5507	0.5160	130-140	0.3425	108.2	99.4,99.4
150	0.6279	0.3929	0.2927	0.2850	0.3813	0.4275	0.5582	0.4930	140-150	0.2876	108.5	99.7,99.7
160	0.6228	0.4505	0.3081	0.2927	0.3890	0.4429	0.5046	0.4622	150-160	0.1916	108.7	99.9,99.9
170	0.5203	0.4314	0.3466	0.3274	0.4160	0.4776	0.4429	0.4431	160-170	0.1225	108.8	100,100
180	0.4467	0.4429	0.4159	0.3659	0.4275	0.4429	0.4198	0.3659	170-180	0.0385	108.9	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

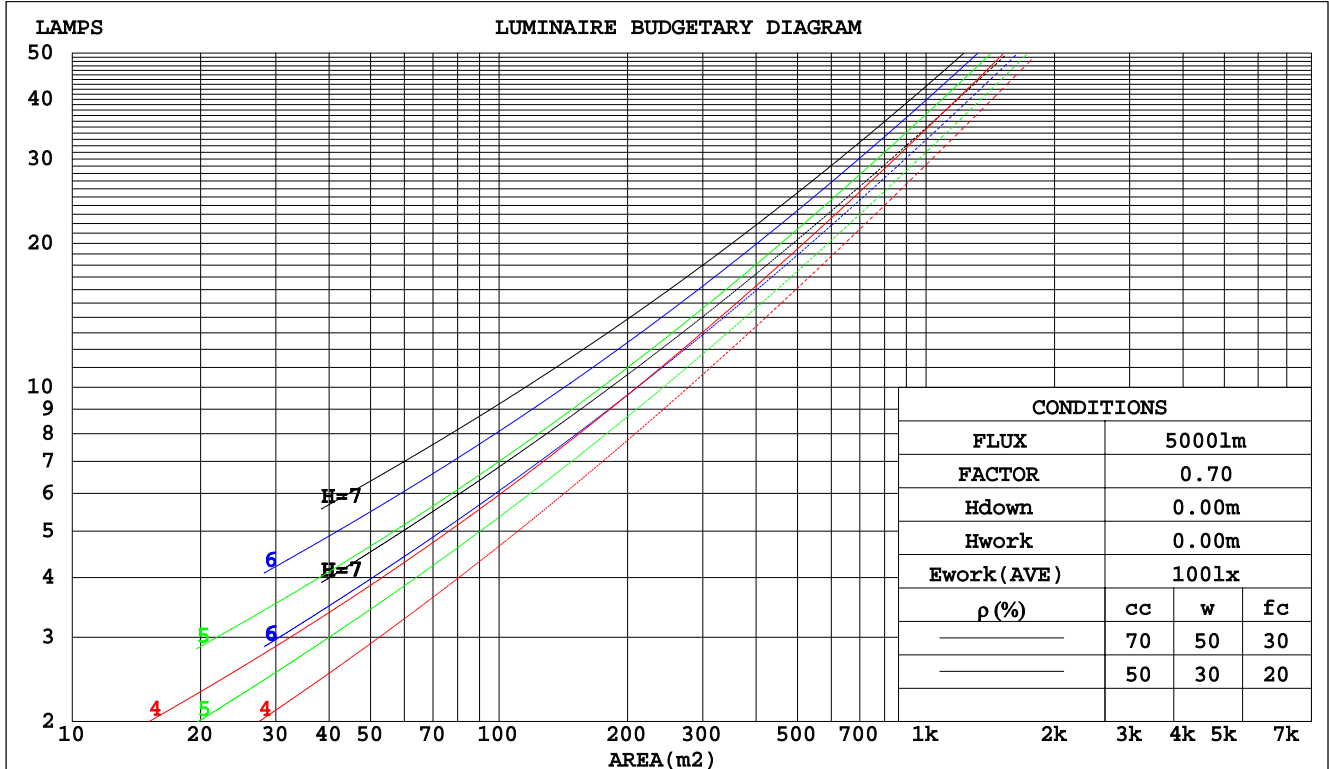
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators: Test  
Date:2019-11-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE 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:0.0260A P:2.920W PF:0.9357 Lamp Flux:108.861x1 lm		
NAME: ASD-LSTL-H01W-N350-PC-MS-XX	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	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	1.18	1.18	1.18	1.15	1.15	1.15	1.09	1.09	1.09	1.04	1.04	1.04	.99	.99	.99	.97
1.0	1.00	.95	.90	.98	.93	.89	.93	.89	.85	.88	.85	.82	.84	.81	.79	.77
2.0	.85	.77	.70	.82	.75	.69	.78	.72	.67	.74	.69	.64	.71	.66	.63	.60
3.0	.72	.63	.55	.70	.62	.55	.67	.59	.53	.63	.57	.52	.60	.55	.50	.48
4.0	.63	.53	.45	.61	.52	.44	.58	.50	.43	.55	.48	.42	.53	.46	.41	.39
5.0	.55	.45	.37	.54	.44	.37	.51	.43	.36	.49	.41	.36	.46	.40	.35	.32
6.0	.49	.39	.32	.48	.38	.31	.45	.37	.31	.43	.36	.30	.41	.35	.30	.27
7.0	.44	.34	.27	.43	.34	.27	.41	.33	.27	.39	.32	.26	.37	.31	.26	.24
8.0	.39	.30	.24	.39	.30	.24	.37	.29	.23	.35	.28	.23	.34	.27	.23	.20
9.0	.36	.27	.21	.35	.27	.21	.34	.26	.21	.32	.25	.20	.31	.25	.20	.18
10.0	.33	.24	.19	.32	.24	.19	.31	.24	.18	.30	.23	.18	.29	.22	.18	.16



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Test  
 Date: 2019-11-20

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE 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:0.0260A P:2.920W PF:0.9357 Lamp Flux:108.861x1 lm		
NAME: ASD-LSTL-H01W-N350-PC-MS-XX	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	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	.367	.209	.066	.359	.205	.065	.343	.197	.063	.329	.190	.061	.316	.183	.059	
2.0	.341	.187	.057	.334	.184	.057	.320	.178	.055	.307	.172	.054	.295	.167	.053	
3.0	.310	.165	.049	.304	.163	.049	.291	.158	.048	.280	.153	.047	.269	.149	.046	
4.0	.282	.147	.043	.276	.145	.043	.265	.141	.042	.255	.137	.041	.245	.133	.041	
5.0	.257	.131	.038	.252	.129	.038	.242	.126	.037	.233	.123	.037	.224	.120	.036	
6.0	.236	.118	.034	.231	.117	.034	.222	.114	.033	.214	.111	.033	.206	.109	.032	
7.0	.217	.107	.030	.213	.106	.030	.205	.104	.030	.198	.101	.029	.191	.099	.029	
8.0	.201	.098	.028	.197	.097	.027	.190	.095	.027	.184	.093	.027	.177	.091	.026	
9.0	.187	.091	.025	.184	.090	.025	.177	.088	.025	.171	.086	.025	.165	.084	.024	
10.0	.175	.084	.023	.172	.083	.023	.166	.081	.023	.160	.080	.023	.155	.078	.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	.215	.215	.215	.183	.183	.183	.125	.125	.125	.072	.072	.072	.023	.023	.023	
1.0	.209	.180	.154	.178	.154	.133	.122	.106	.092	.070	.061	.053	.022	.020	.017	
2.0	.203	.156	.116	.174	.134	.101	.119	.093	.070	.069	.054	.041	.022	.017	.013	
3.0	.197	.139	.093	.169	.120	.081	.116	.083	.057	.067	.049	.033	.021	.016	.011	
4.0	.190	.126	.078	.163	.109	.068	.112	.076	.048	.065	.045	.028	.021	.015	.009	
5.0	.182	.116	.068	.156	.101	.059	.108	.070	.042	.062	.041	.025	.020	.013	.008	
6.0	.175	.108	.061	.150	.094	.053	.104	.066	.037	.060	.039	.022	.019	.013	.007	
7.0	.167	.102	.056	.144	.088	.048	.099	.062	.034	.058	.036	.020	.019	.012	.007	
8.0	.160	.096	.052	.138	.083	.045	.095	.058	.032	.056	.034	.019	.018	.011	.006	
9.0	.154	.091	.049	.132	.079	.042	.092	.056	.030	.053	.033	.018	.017	.011	.006	
10.0	.148	.087	.046	.127	.075	.040	.088	.053	.029	.051	.031	.017	.017	.010	.006	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators: Test  
 Date:2019-11-20

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE 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:0.0260A P:2.920W PF:0.9357 Lamp Flux:108.86lx1 lm										
NAME: ASD-LSTL-H01W-N350-PC-MS-XX					TYPE:			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	0.3	2.0	0.6	2.2	2.5	14.5	16.2	14.8	16.5	16.7
3H	0.1	1.7	0.5	2.0	2.3	17.6	19.2	18.0	19.5	19.8
4H	0.0	1.5	0.4	1.8	2.2	19.1	20.5	19.4	20.9	21.2
6H	-0.0	1.4	0.4	1.7	2.1	19.8	21.2	20.2	21.5	21.9
8H	-0.0	1.3	0.4	1.7	2.1	19.9	21.2	20.3	21.6	22.0
12H	0.0	1.3	0.4	1.7	2.1	19.9	21.2	20.3	21.5	21.9
4H 2H	6.0	7.5	6.4	7.8	8.2	14.5	15.9	14.8	16.2	16.6
3H	6.0	7.3	6.4	7.7	8.0	17.8	19.1	18.2	19.5	19.9
4H	5.9	7.1	6.3	7.5	7.9	19.4	20.6	19.9	21.0	21.4
6H	5.8	6.9	6.3	7.3	7.7	20.4	21.5	20.9	21.9	22.3
8H	5.8	6.8	6.2	7.2	7.7	20.6	21.6	21.0	22.0	22.4
12H	5.8	6.7	6.2	7.1	7.6	20.6	21.5	21.1	22.0	22.4
8H 4H	8.9	9.9	9.4	10.3	10.8	19.4	20.4	19.8	20.8	21.3
6H	8.9	9.7	9.4	10.2	10.7	20.5	21.3	21.0	21.8	22.3
8H	8.8	9.6	9.4	10.1	10.6	20.7	21.4	21.2	21.9	22.4
12H	8.8	9.5	9.4	10.0	10.5	20.7	21.4	21.3	21.9	22.4
12H 4H	9.5	10.4	10.0	10.9	11.4	19.3	20.2	19.8	20.7	21.2
6H	9.5	10.3	10.1	10.8	11.3	20.4	21.2	20.9	21.6	22.2
8H	9.5	10.2	10.1	10.7	11.2	20.6	21.3	21.2	21.8	22.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.4					+ 0.0 / - 0.0				
1.5H	+ 0.5 / - 0.2					+ 0.1 / - 0.1				
2.0H	+ 1.1 / - 0.8					+ 0.4 / - 0.4				

CIE Pub.117 Corrected 108.9 lm Total Lamp Luminous Flux. (8log(F/F0) = -7.7)

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Test  
 Date: 2019-11-20

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE 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:0.0260A P:2.920W PF:0.9357 Lamp Flux:108.861x1 lm		
NAME: ASD-LSTL-H01W-N350-PC-MS-XX	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

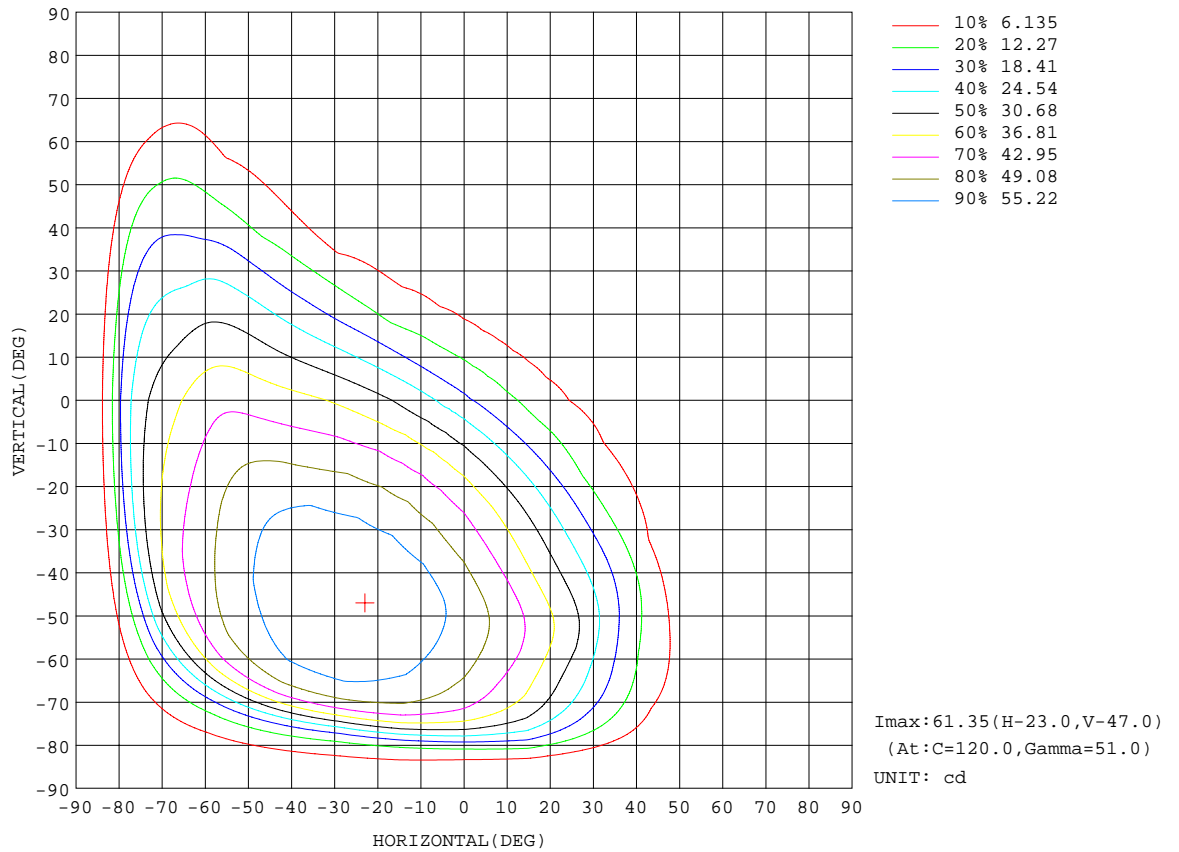
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	49	36	28	48	36	28	47	35	28	21
0.80	59	45	37	57	45	37	55	44	36	28
1.00	67	54	45	66	53	45	63	55	44	36
1.25	75	62	54	73	61	53	70	60	52	43
1.50	80	68	60	78	67	59	75	65	58	49
2.00	88	78	70	86	76	69	82	74	67	58
2.50	93	84	76	91	82	75	86	79	73	63
3.00	97	89	82	95	87	81	90	84	78	68
4.00	102	95	90	100	93	88	95	89	85	75
5.00	105	100	95	103	97	93	97	93	89	79
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: 2019-11-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE 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:0.0260A P:2.920W PF:0.9357 Lamp Flux:108.86lx1 lm		
NAME: ASD-LSTL-H01W-N350-PC-MS-XX	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

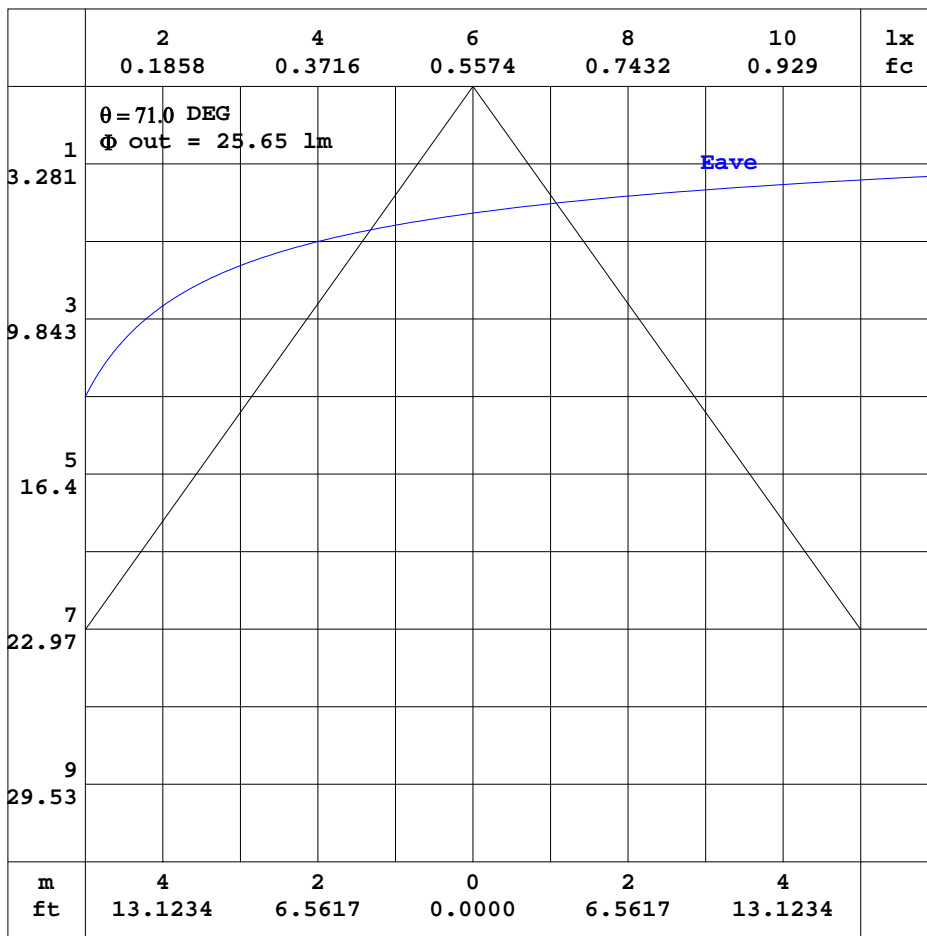


C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Test  
 Date: 2019-11-20

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE 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:0.0260A P:2.920W PF:0.9357 Lamp Flux:108.86lx1 lm		
NAME: ASD-LSTL-H01W-N350-PC-MS-XX	TYPE:	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.

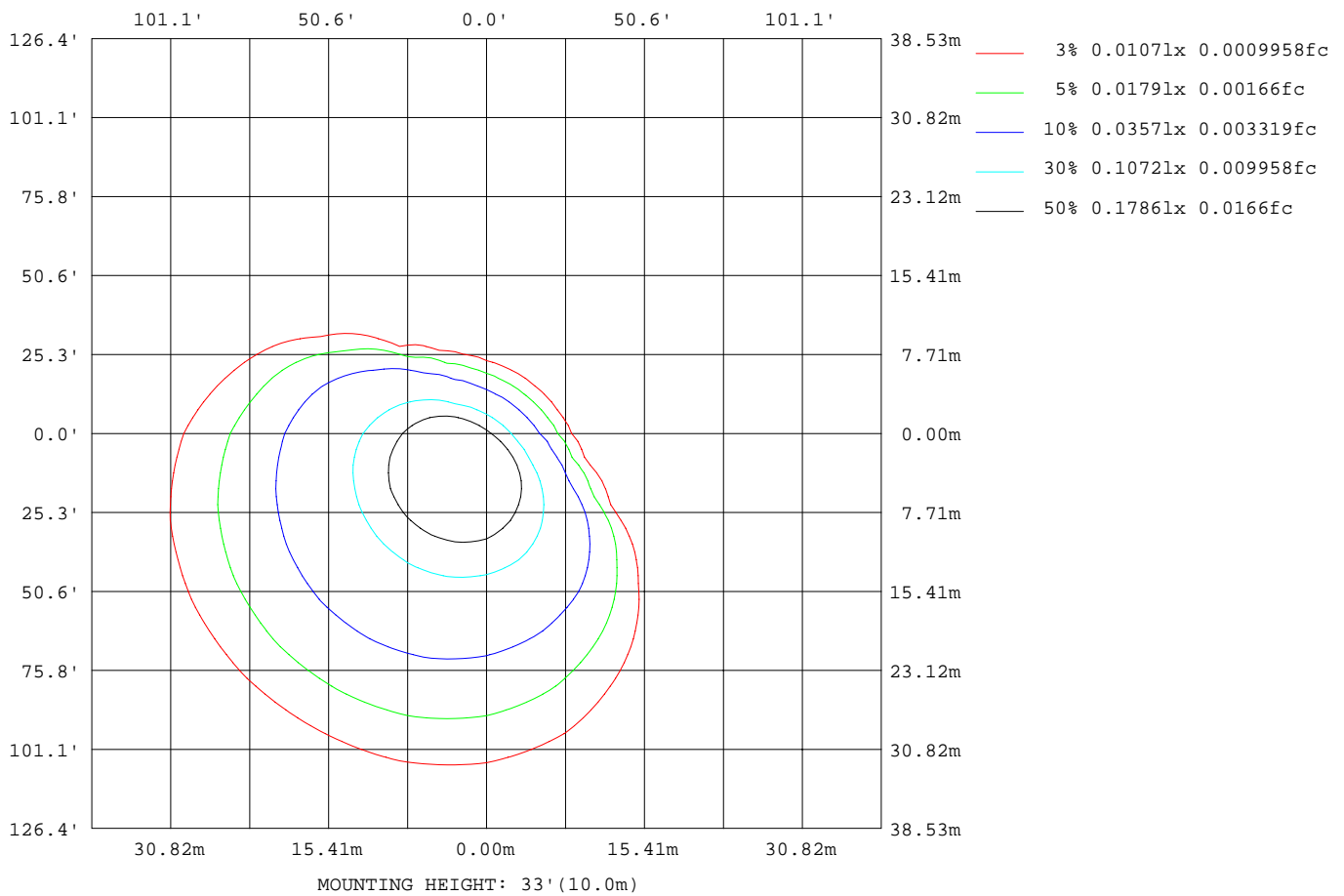
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Test  
 Date: 2019-11-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE 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:0.0260A P:2.920W PF:0.9357 Lamp Flux:108.86lx1 lm		
NAME: ASD-LSTL-H01W-N350-PC-MS-XX	TYPE:	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: 2019-11-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE 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:0.0260A P:2.920W PF:0.9357 Lamp Flux:108.861x1 lm		
NAME: ASD-LSTL-H01W-N350-PC-MS-XX	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

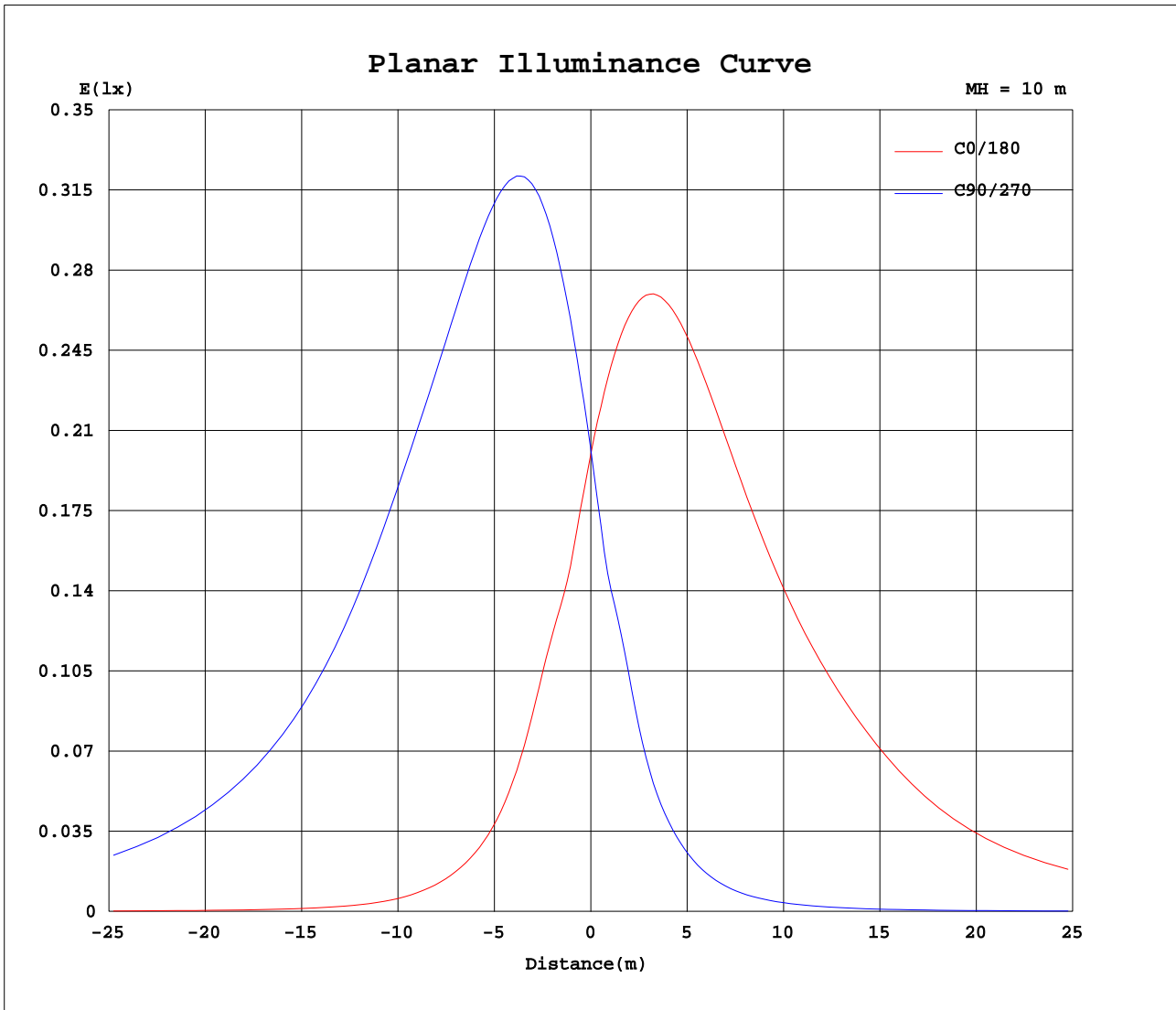
AvgL	cd/m2
L_0~180(65)av	445
L_0~180(75)av	557
L_0~180(85)av	258
L_90~270(65)av	581
L_90~270(75)av	688
L_90~270(85)av	227
L_45(65)av	426
L_45(75)av	460
L_45(85)av	160

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators: Test  
 Date:2019-11-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE 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: 2019-11-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE 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:0.0260A P:2.920W PF:0.9357 Lamp Flux:108.861x1 lm		
NAME: ASD-LSTL-H01W-N350-PC-MS-XX	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	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	20.0	20.1	20.0	20.0	20.1	20.0	20.2	20.0	20.1	19.9	20.0	19.8	20.0	20.1	20.0	20.0	20.1	20.0	20.2
5	16.1	17.7	19.4	21.0	22.7	24.0	25.3	25.8	26.4	26.1	25.6	24.5	23.5	22.1	20.4	18.8	17.2	15.7	14.9
10	13.4	15.2	18.4	21.8	25.0	27.7	30.1	31.5	32.4	32.0	31.1	29.0	26.8	23.9	20.6	17.3	14.5	13.0	11.8
15	10.9	13.3	17.3	22.3	27.0	31.2	34.7	36.8	38.1	37.6	36.1	33.1	29.7	25.3	20.5	15.5	12.6	10.1	8.20
20	8.08	11.6	16.0	22.5	28.6	34.1	38.7	41.6	43.2	42.7	40.7	36.9	32.3	26.5	20.2	13.8	10.5	7.23	5.63
25	5.87	9.58	14.5	22.4	29.9	36.7	42.2	45.9	47.7	47.2	44.7	40.1	34.5	27.3	19.6	12.2	8.05	5.21	4.00
30	4.31	7.48	12.9	22.1	30.9	38.8	45.3	49.5	51.6	51.0	48.2	42.9	36.2	27.8	18.9	10.8	6.02	3.81	2.83
35	3.18	5.64	11.3	21.7	31.6	40.5	47.8	52.7	55.2	54.5	51.2	45.2	37.6	28.1	18.0	9.17	4.46	2.81	2.02
40	2.30	4.15	9.69	21.2	32.1	42.1	50.3	55.8	58.4	57.7	54.1	47.2	38.8	28.2	17.1	7.45	3.27	1.97	1.46
45	1.61	2.95	8.13	20.8	32.8	43.6	52.4	58.0	60.6	60.1	56.4	49.3	39.9	28.4	16.0	5.70	2.32	1.40	1.09
50	1.14	2.07	6.64	20.1	33.6	44.9	53.2	58.7	61.3	61.0	57.5	50.8	41.1	28.6	14.7	4.09	1.65	1.04	0.83
55	0.84	1.44	5.07	18.7	33.8	44.6	52.6	58.3	61.0	60.6	56.9	50.6	41.8	28.3	13.1	2.80	1.18	0.79	0.64
60	0.64	1.01	3.50	16.0	31.5	42.7	51.1	57.1	59.8	59.2	55.4	48.8	40.3	27.1	11.2	1.84	0.85	0.61	0.53
65	0.51	0.71	2.14	13.1	27.5	39.8	48.7	54.9	57.7	57.2	53.2	46.4	37.1	23.8	9.01	1.23	0.62	0.51	0.45
70	0.42	0.52	1.14	10.4	23.4	36.1	44.9	50.6	52.8	52.8	49.5	43.1	33.6	19.8	6.79	0.79	0.47	0.44	0.42
75	0.37	0.39	0.61	7.23	17.9	29.2	35.2	38.0	38.0	39.4	38.9	36.3	28.4	15.7	4.53	0.50	0.37	0.40	0.43
80	0.35	0.35	0.37	3.69	9.74	15.6	15.5	15.0	14.1	15.0	16.3	18.7	17.4	9.04	2.31	0.36	0.35	0.39	0.44
85	0.35	0.37	0.31	0.90	1.86	3.13	3.49	4.10	3.77	3.80	3.51	4.15	4.16	2.32	0.85	0.43	0.39	0.41	0.47
90	0.46	0.59	0.42	0.26	0.26	0.47	1.39	2.19	2.03	1.57	1.06	1.04	0.68	0.70	0.89	0.74	0.52	0.54	0.57
95	0.58	0.84	0.79	0.30	0.27	0.31	0.58	1.28	0.94	0.72	0.54	0.56	0.50	0.80	1.17	1.86	0.65	0.69	0.71
100	0.65	0.34	1.02	0.29	0.30	0.30	0.37	0.50	0.55	0.37	0.39	0.44	0.40	0.84	1.28	1.62	0.83	0.83	0.81
105	0.41	0.35	0.33	0.49	0.29	0.29	0.35	0.38	0.37	0.34	0.35	0.32	0.35	0.32	0.68	0.53	0.96	0.87	0.83
110	0.73	0.41	0.32	0.33	0.29	0.29	0.30	0.31	0.32	0.34	0.35	0.32	0.35	0.35	1.68	0.54	0.39	0.46	0.56
115	0.91	0.64	0.33	0.33	0.30	0.31	0.30	0.35	0.38	0.32	0.34	0.32	0.36	0.35	1.00	2.66	0.73	0.44	0.51
120	0.97	1.58	0.35	0.34	0.30	0.31	0.31	0.34	0.38	0.30	0.33	0.31	0.35	0.34	0.39	2.20	1.42	1.14	0.84
125	0.98	1.45	0.39	0.35	0.30	0.31	0.31	0.30	0.34	0.30	0.32	0.29	0.35	0.35	0.39	0.96	1.22	1.21	1.07
130	0.76	0.57	0.39	0.36	0.30	0.31	0.31	0.29	0.31	0.28	0.30	0.28	0.35	0.35	0.39	0.45	0.85	1.00	0.97
135	0.50	0.46	0.71	0.38	0.31	0.31	0.30	0.28	0.28	0.27	0.28	0.27	0.35	0.35	0.42	0.43	0.52	0.51	0.54
140	0.64	0.92	0.60	0.40	0.32	0.31	0.29	0.28	0.28	0.27	0.28	0.27	0.36	0.36	0.42	0.43	0.48	0.51	0.55
145	0.74	0.68	0.57	0.39	0.42	0.32	0.29	0.28	0.27	0.27	0.28	0.27	0.38	0.40	0.42	0.43	0.48	0.52	0.56
150	0.63	0.65	0.47	0.39	0.35	0.33	0.29	0.29	0.27	0.28	0.28	0.27	0.38	0.41	0.42	0.43	0.47	0.52	0.56
155	0.54	0.49	0.44	0.44	0.37	0.34	0.30	0.30	0.27	0.28	0.27	0.27	0.39	0.39	0.44	0.43	0.47	0.51	0.51
160	0.62	0.55	0.44	0.45	0.39	0.36	0.31	0.32	0.30	0.29	0.29	0.28	0.39	0.39	0.51	0.44	0.47	0.51	0.50
165	0.64	0.64	0.44	0.43	0.40	0.39	0.32	0.33	0.31	0.31	0.29	0.29	0.40	0.41	0.49	0.48	0.45	0.49	0.48
170	0.52	0.47	0.44	0.43	0.41	0.39	0.35	0.35	0.31	0.33	0.30	0.30	0.42	0.44	0.47	0.48	0.44	0.48	0.44
175	0.47	0.45	0.44	0.44	0.41	0.41	0.37	0.38	0.35	0.35	0.30	0.31	0.43	0.43	0.43	0.45	0.44	0.45	0.42
180	0.45	0.45	0.44	0.44	0.43	0.43	0.42	0.40	0.37	0.37	0.32	0.32	0.43	0.43	0.43	0.44	0.44	0.43	0.42

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Test  
 Date: 2019-11-20

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE 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:0.0260A P:2.920W PF:0.9357 Lamp Flux:108.861x1 lm		
NAME: ASD-LSTL-H01W-N350-PC-MS-XX	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	20.0	20.1	19.9	20.0	19.8														
5	14.4	14.3	14.2	14.6	14.9														
10	10.7	10.4	10.3	11.1	12.1														
15	7.04	6.71	6.71	7.41	8.60														
20	4.83	4.59	4.61	5.08	6.02														
25	3.35	3.15	3.19	3.56	4.32														
30	2.37	2.24	2.27	2.55	3.14														
35	1.74	1.67	1.68	1.87	2.27														
40	1.27	1.24	1.26	1.39	1.65														
45	0.96	0.93	0.96	1.04	1.23														
50	0.75	0.72	0.75	0.80	0.94														
55	0.61	0.59	0.61	0.64	0.74														
60	0.52	0.49	0.52	0.53	0.60														
65	0.47	0.44	0.48	0.47	0.52														
70	0.44	0.44	0.45	0.44	0.46														
75	0.44	0.44	0.45	0.44	0.42														
80	0.44	0.44	0.44	0.44	0.42														
85	0.46	0.47	0.44	0.46	0.42														
90	0.54	0.54	0.50	0.53	0.47														
95	0.65	0.62	0.57	0.58	0.54														
100	0.74	0.70	0.62	0.60	0.42														
105	0.77	0.64	0.49	0.47	0.40														
110	0.51	0.52	0.63	0.54	0.46														
115	0.53	0.63	0.63	0.54	0.69														
120	0.84	0.74	0.62	0.51	0.77														
125	0.88	0.72	0.60	0.47	0.81														
130	0.85	0.69	0.54	0.46	0.66														
135	0.75	0.59	0.51	0.47	0.41														
140	0.59	0.54	0.52	0.64	0.49														
145	0.55	0.53	0.57	0.76	0.89														
150	0.59	0.50	0.49	0.48	0.47														
155	0.52	0.49	0.47	0.42	0.41														
160	0.50	0.50	0.46	0.47	0.39														
165	0.50	0.57	0.62	0.48	0.42														
170	0.46	0.45	0.44	0.36	0.37														
175	0.44	0.40	0.39	0.35	0.35														
180	0.40	0.39	0.37	0.34	0.33														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators: Test  
 Date:2019-11-20

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