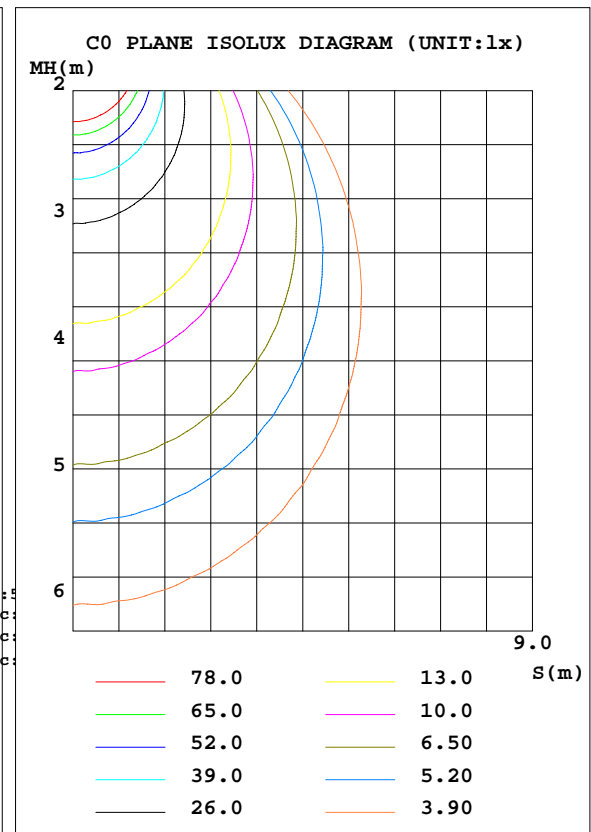
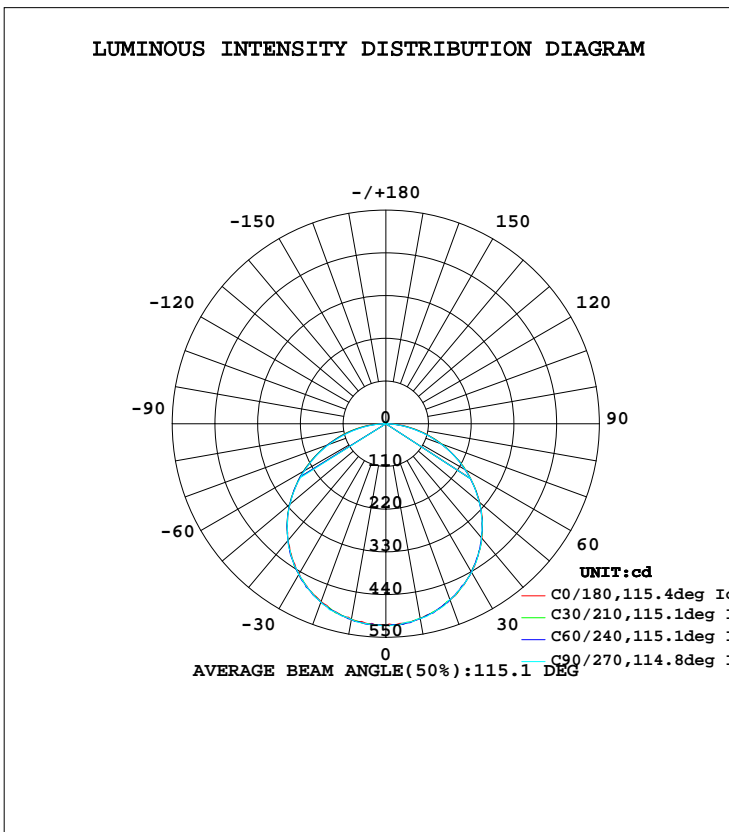


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.0V I:0.1533A P:18.23W PF:0.9908 Lamp Flux:1574.04x1 lm		
NAME: ASD-LMPJBR-8D18CC-BZ	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 86.35 lm/W			
MODEL	ASD-LMPJBR-8D18CC-BZ	I <sub>max</sub> (cd)	521.9	S/MH(C0/180)	1.28
NOMINAL POWER(W)	18	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1574.0	η UP, DN(C0-180)	1.0,48.5
NOMINAL FLUX(lm)	1574.04	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.1,49.4
LAMPS INSIDE	1	η up(%)	2.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)		η down(%)	98.0	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:wxh  
 Test Date:2019-05-06

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	509.8	509.6	509.8	511.5	511.5	512.9	511.9	510.3	0- 10	49.18	49.18	3.12,3.12
20	482.5	484.5	481.6	484.4	487.2	487.7	489.2	488.1	10- 20	141.3	190.5	12.1,12.1
30	441.4	440.9	442.1	445.1	446.2	447.4	447.9	446.7	20- 30	215.4	405.9	25.8,25.8
40	385.0	384.3	383.0	387.3	391.9	391.1	392.4	389.6	30- 40	261.7	667.6	42.4,42.4
50	315.5	315.8	313.9	318.2	322.3	323.0	322.6	319.9	40- 50	273.9	941.5	59.8,59.8
60	236.8	236.7	235.7	238.6	244.3	243.7	241.0	240.5	50- 60	250.7	1192	75.7,75.7
70	152.8	152.0	149.6	154.9	160.8	159.1	155.4	155.2	60- 70	195.8	1388	88.2,88.2
80	71.76	68.17	63.07	70.16	78.99	73.85	68.29	69.93	70- 80	118.6	1507	95.7,95.7
90	4.052	4.292	5.077	4.552	7.258	5.353	5.887	5.036	80- 90	35.36	1542	98,98
100	4.178	4.214	4.213	4.202	4.845	4.853	4.883	4.918	90-100	4.918	1547	98.3,98.3
110	4.459	4.460	4.479	4.467	5.084	5.083	5.069	5.103	100-110	4.928	1552	98.6,98.6
120	4.710	4.733	4.733	4.710	5.284	5.276	5.296	5.318	110-120	4.856	1557	98.9,98.9
130	4.991	4.980	4.999	4.968	5.496	5.465	5.481	5.499	120-130	4.586	1561	99.2,99.2
140	5.307	5.300	5.329	5.334	5.669	5.646	5.673	5.688	130-140	4.147	1565	99.5,99.5
150	5.649	5.639	5.653	5.650	5.862	5.842	5.869	5.904	140-150	3.529	1569	99.7,99.7
160	5.996	5.958	6.023	6.001	6.051	6.035	6.066	6.093	150-160	2.724	1572	99.9,99.9
170	6.239	6.220	6.254	6.259	6.243	6.247	6.259	6.297	160-170	1.740	1573	100,100
180	6.378	6.385	6.382	6.409	6.362	6.366	6.389	6.412	170-180	0.6032	1574	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

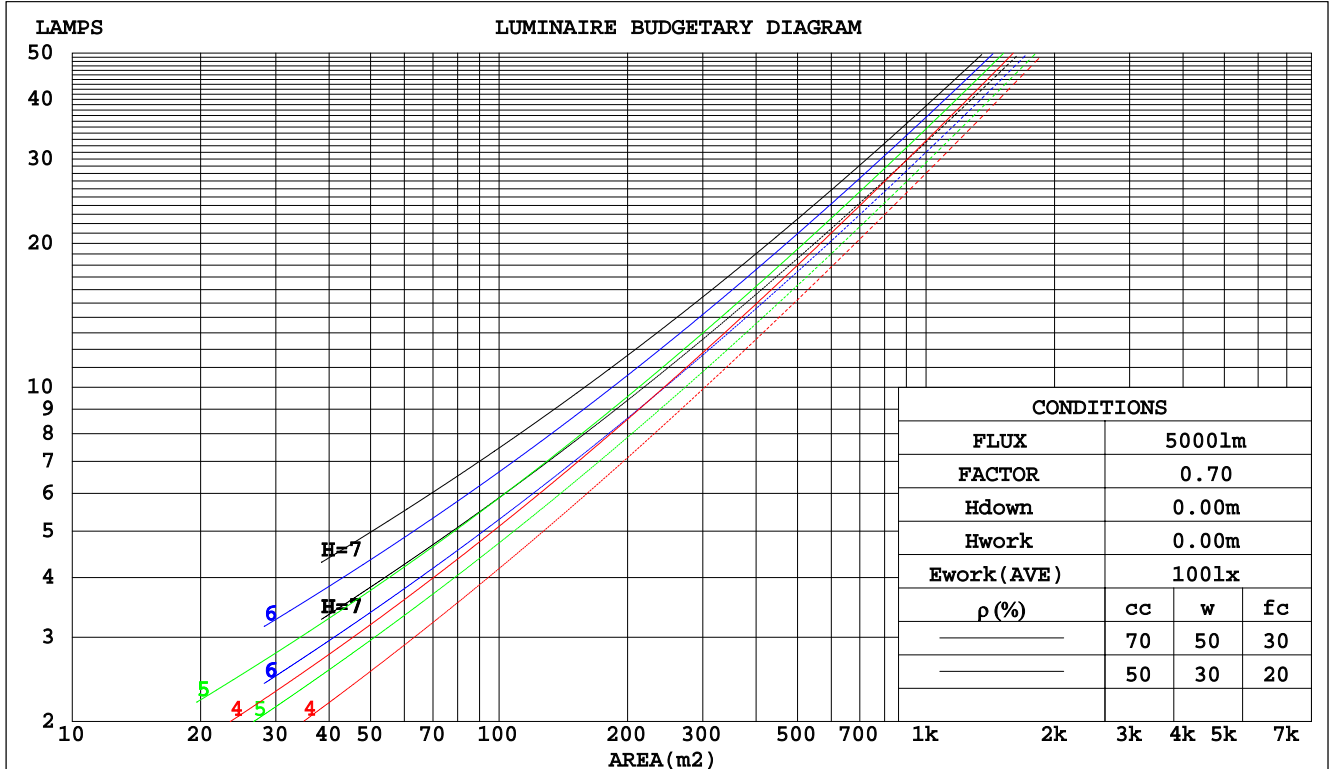
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:wxh  
Test Date:2019-05-06

$\gamma$  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:120.0V I:0.1533A P:18.23W PF:0.9908 Lamp Flux:1574.04x1 lm		
NAME: ASD-LMPJBR-8D18CC-BZ	TYPE:	WEIGHT:
SPEC.: 4000K	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	1.19	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	1.03	.99	.95	1.00	.96	.93	.96	.93	.90	.92	.89	.86	.88	.85	.83	.81
2.0	.89	.82	.77	.87	.81	.75	.83	.78	.73	.80	.75	.71	.76	.73	.69	.67
3.0	.78	.70	.63	.77	.69	.63	.73	.67	.61	.70	.65	.60	.67	.63	.59	.56
4.0	.69	.60	.53	.68	.59	.53	.65	.58	.52	.62	.56	.51	.60	.55	.50	.48
5.0	.62	.53	.46	.60	.52	.45	.58	.51	.45	.56	.49	.44	.54	.48	.43	.41
6.0	.55	.46	.40	.54	.46	.40	.52	.45	.39	.50	.44	.39	.49	.43	.38	.36
7.0	.50	.41	.35	.49	.41	.35	.48	.40	.35	.46	.39	.34	.44	.38	.34	.32
8.0	.46	.37	.31	.45	.37	.31	.43	.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	.29	.25	.35	.29	.25	.23



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: wxh  
 Test Date: 2019-05-06

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:120.0V I:0.1533A P:18.23W PF:0.9908 Lamp Flux:1574.04x1 lm		
NAME: ASD-LMPJBR-8D18CC-BZ	TYPE:	WEIGHT:
SPEC.: 4000K	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	.318	.181	.057	.310	.177	.056	.296	.170	.054	.282	.163	.052	.270	.156	.050	
2.0	.297	.163	.050	.290	.160	.049	.277	.154	.048	.265	.149	.047	.255	.144	.045	
3.0	.274	.146	.044	.268	.143	.043	.256	.139	.042	.246	.135	.041	.236	.131	.040	
4.0	.252	.131	.038	.247	.129	.038	.236	.125	.037	.227	.122	.037	.218	.119	.036	
5.0	.232	.118	.034	.228	.117	.034	.219	.114	.034	.210	.111	.033	.202	.108	.032	
6.0	.215	.108	.031	.211	.107	.031	.203	.104	.030	.195	.101	.030	.188	.099	.029	
7.0	.200	.099	.028	.196	.098	.028	.189	.096	.028	.182	.093	.027	.176	.091	.027	
8.0	.187	.091	.026	.183	.090	.025	.177	.088	.025	.171	.086	.025	.165	.085	.025	
9.0	.175	.085	.024	.172	.084	.023	.166	.082	.023	.160	.080	.023	.155	.079	.023	
10.0	.164	.079	.022	.161	.078	.022	.156	.076	.022	.151	.075	.021	.146	.074	.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	.206	.206	.206	.176	.176	.176	.120	.120	.120	.069	.069	.069	.022	.022	.022	
1.0	.196	.172	.149	.168	.147	.129	.115	.101	.089	.066	.059	.052	.021	.019	.017	
2.0	.189	.148	.113	.162	.127	.098	.111	.088	.068	.064	.051	.040	.020	.017	.013	
3.0	.181	.130	.090	.155	.112	.078	.107	.078	.054	.062	.046	.032	.020	.015	.011	
4.0	.173	.117	.074	.149	.101	.064	.102	.070	.045	.059	.041	.027	.019	.013	.009	
5.0	.166	.107	.063	.143	.092	.055	.098	.064	.039	.057	.038	.023	.018	.012	.008	
6.0	.159	.098	.055	.136	.085	.048	.094	.060	.034	.055	.035	.020	.018	.011	.007	
7.0	.152	.091	.049	.131	.079	.043	.090	.056	.030	.052	.033	.018	.017	.011	.006	
8.0	.145	.086	.045	.125	.074	.039	.087	.052	.028	.050	.031	.016	.016	.010	.005	
9.0	.139	.081	.041	.120	.070	.036	.083	.049	.026	.048	.029	.015	.016	.010	.005	
10.0	.134	.076	.038	.115	.066	.034	.080	.047	.024	.047	.028	.014	.015	.009	.005	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:wxh  
 Test Date:2019-05-06

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:120.0V I:0.1533A P:18.23W PF:0.9908 Lamp Flux:1574.04x1 lm										
NAME: ASD-LMPJBR-8D18CC-BZ					TYPE:			WEIGHT:		
SPEC.: 4000K					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	18.2	19.7	18.5	20.0	20.2	18.2	19.7	18.5	19.9	20.2
3H	19.8	21.2	20.2	21.5	21.8	19.8	21.2	20.1	21.4	21.7
4H	20.5	21.8	20.9	22.1	22.4	20.4	21.7	20.7	22.0	22.3
6H	21.0	22.3	21.4	22.6	22.9	20.8	22.1	21.2	22.4	22.7
8H	21.2	22.4	21.6	22.8	23.1	21.0	22.2	21.4	22.5	22.8
12H	21.4	22.5	21.8	22.9	23.2	21.0	22.2	21.4	22.5	22.9
4H 2H	18.8	20.2	19.2	20.5	20.8	18.8	20.1	19.2	20.4	20.7
3H	20.6	21.8	21.0	22.1	22.5	20.6	21.7	21.0	22.1	22.4
4H	21.5	22.5	21.9	22.9	23.3	21.3	22.4	21.8	22.8	23.1
6H	22.1	23.1	22.6	23.5	23.9	21.9	22.9	22.3	23.3	23.7
8H	22.4	23.3	22.8	23.7	24.1	22.1	23.0	22.5	23.4	23.8
12H	22.6	23.4	23.0	23.8	24.3	22.2	23.0	22.7	23.4	23.9
8H 4H	21.7	22.6	22.2	23.0	23.5	21.6	22.5	22.1	22.9	23.4
6H	22.6	23.3	23.0	23.7	24.2	22.4	23.1	22.8	23.5	24.0
8H	22.9	23.6	23.4	24.0	24.5	22.6	23.3	23.1	23.7	24.2
12H	23.2	23.8	23.7	24.2	24.8	22.8	23.4	23.3	23.8	24.4
12H 4H	21.8	22.6	22.2	23.0	23.4	21.7	22.5	22.1	22.9	23.3
6H	22.6	23.3	23.1	23.7	24.2	22.4	23.1	22.9	23.5	24.0
8H	23.0	23.6	23.5	24.1	24.6	22.7	23.3	23.2	23.8	24.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 1574 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:wxh  
 Test Date:2019-05-06

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:120.0V I:0.1533A P:18.23W PF:0.9908 Lamp Flux:1574.04x1 lm		
NAME: ASD-LMPJBR-8D18CC-BZ	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:	PROTECTION ANGLE:

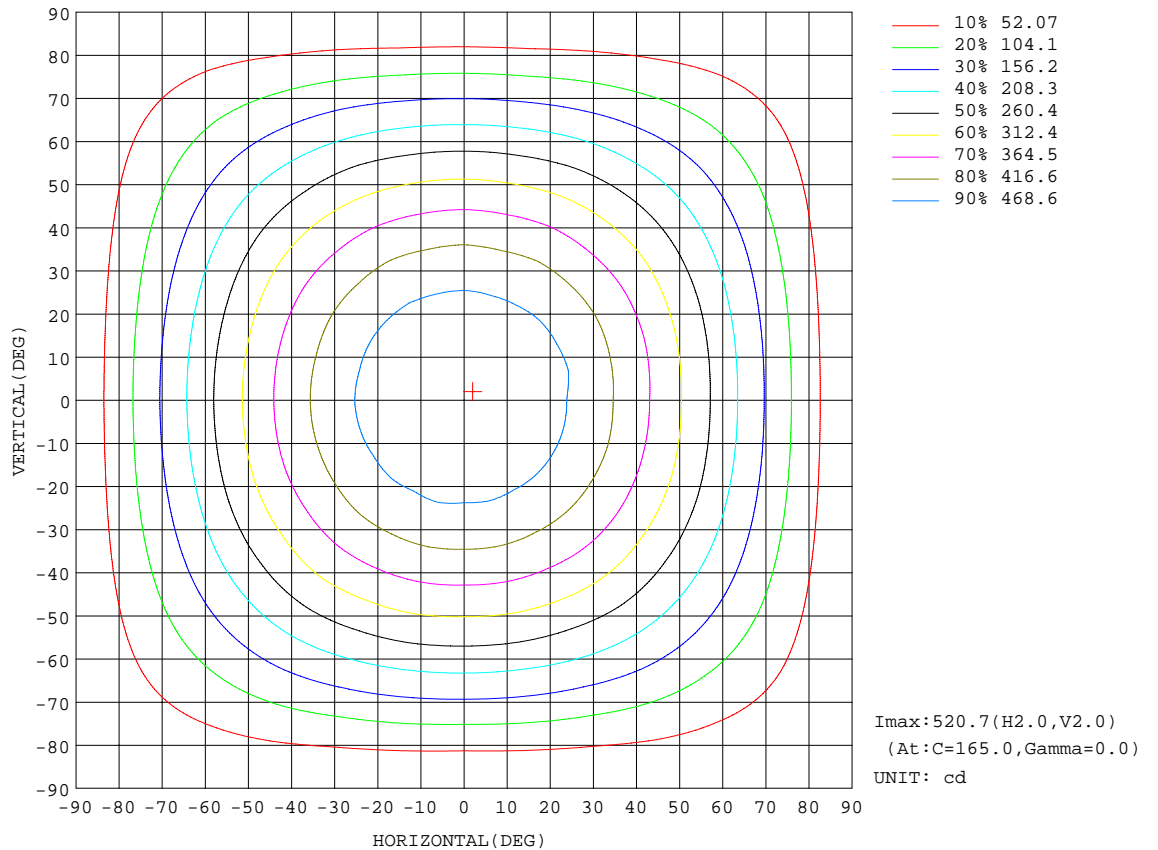
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	56	44	37	55	44	37	54	44	37	31
0.80	66	54	47	65	54	47	63	53	46	39
1.00	75	63	56	73	63	55	71	64	55	47
1.25	82	71	64	80	70	63	77	68	62	55
1.50	87	77	69	85	76	69	82	74	68	60
2.00	94	85	78	92	84	77	88	81	76	67
2.50	98	90	83	95	88	82	91	85	80	71
3.00	101	94	88	99	92	87	94	89	85	76
4.00	105	99	94	103	97	93	98	94	90	80
5.00	108	103	98	105	101	97	100	97	93	84
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:wxh  
 Test Date:2019-05-06

$\gamma$  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:120.0V I:0.1533A P:18.23W PF:0.9908 Lamp Flux:1574.04x1 lm		
NAME: ASD-LMPJBR-8D18CC-BZ	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:	PROTECTION ANGLE:

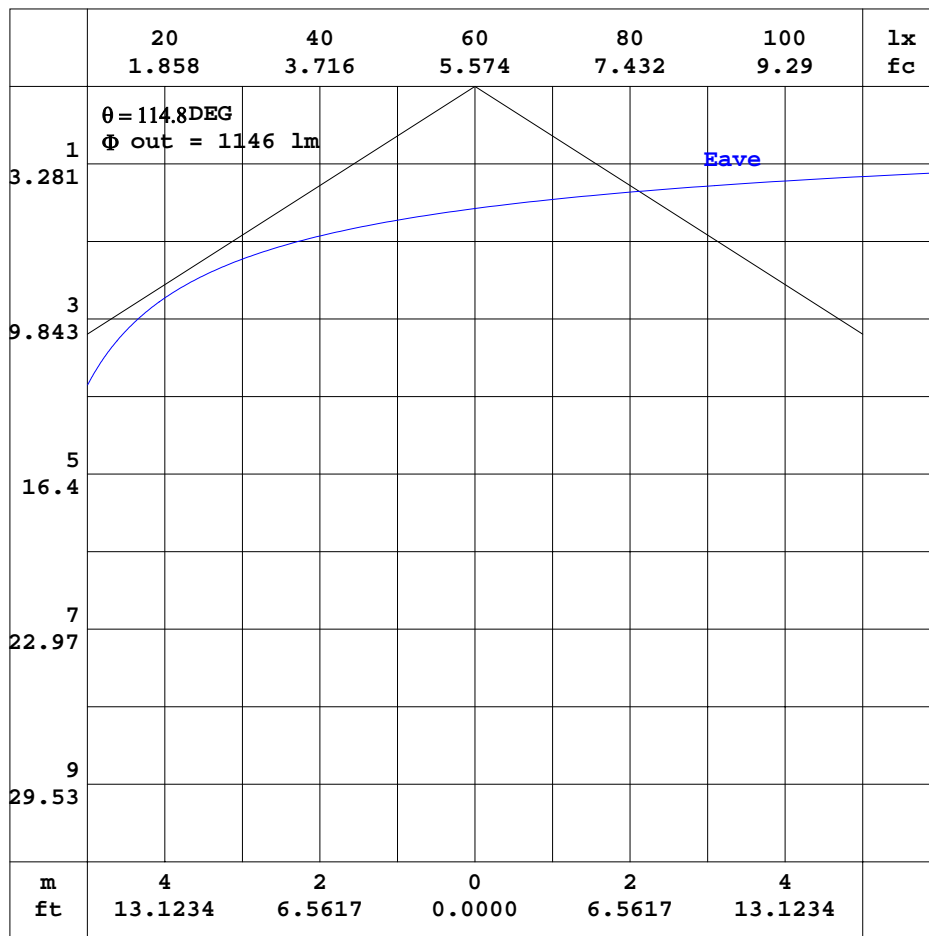


C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: wxh  
 Test Date: 2019-05-06

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:120.0V I:0.1533A P:18.23W PF:0.9908 Lamp Flux:1574.04x1 lm		
NAME: ASD-LMPJBR-8D18CC-BZ	TYPE:	WEIGHT:
SPEC.: 4000K	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.

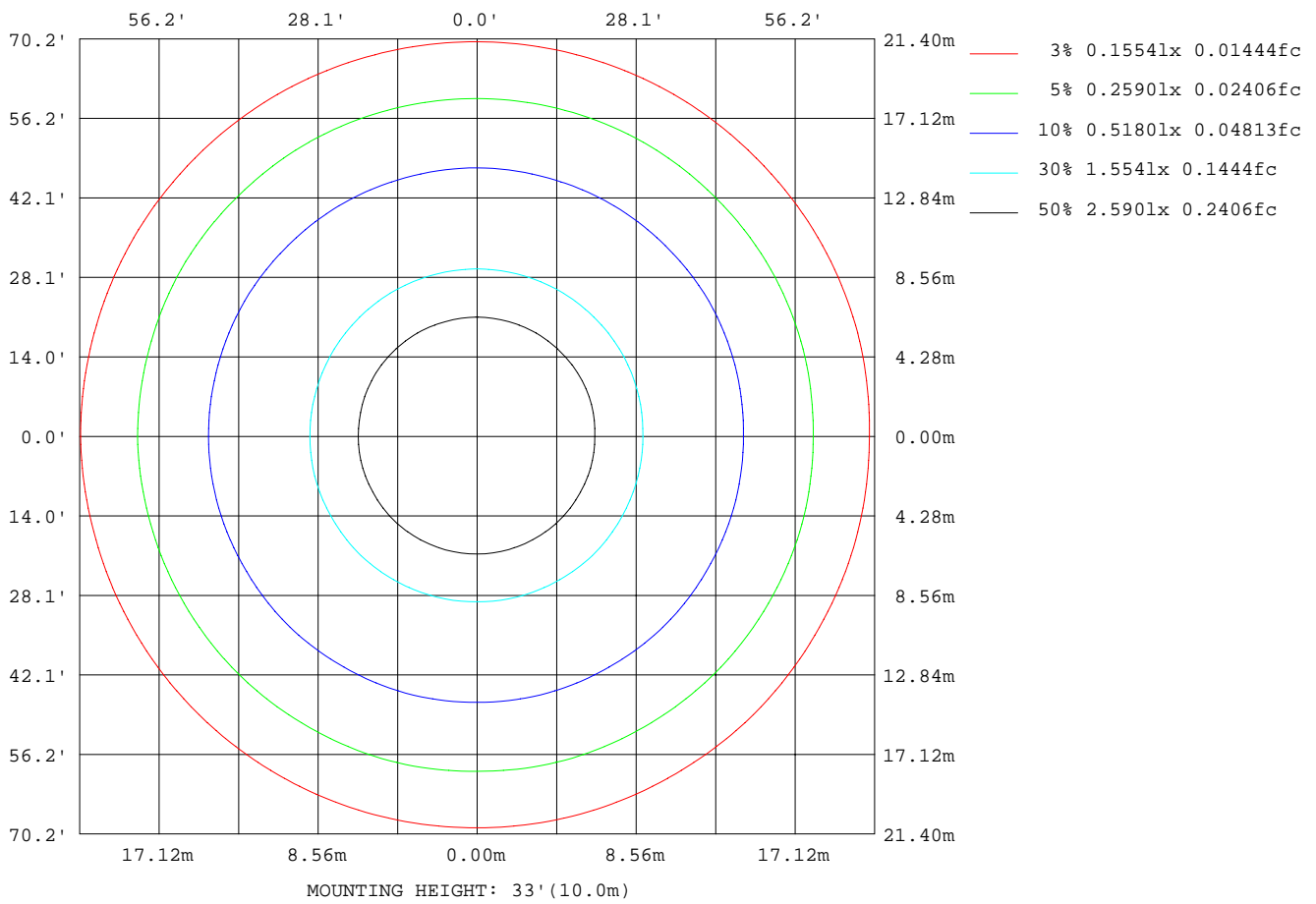
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: wxh  
 Test Date: 2019-05-06

$\gamma$  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:120.0V I:0.1533A P:18.23W PF:0.9908 Lamp Flux:1574.04x1 lm		
NAME: ASD-LMPJBR-8D18CC-BZ	TYPE:	WEIGHT:
SPEC.: 4000K	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: wxh  
 Test Date: 2019-05-06

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:

## LED Avg.L Report

Test:U:120.0V I:0.1533A P:18.23W PF:0.9908 Lamp Flux:1574.04x1 lm		
NAME: ASD-LMPJBR-8D18CC-BZ	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:	PROTECTION ANGLE:

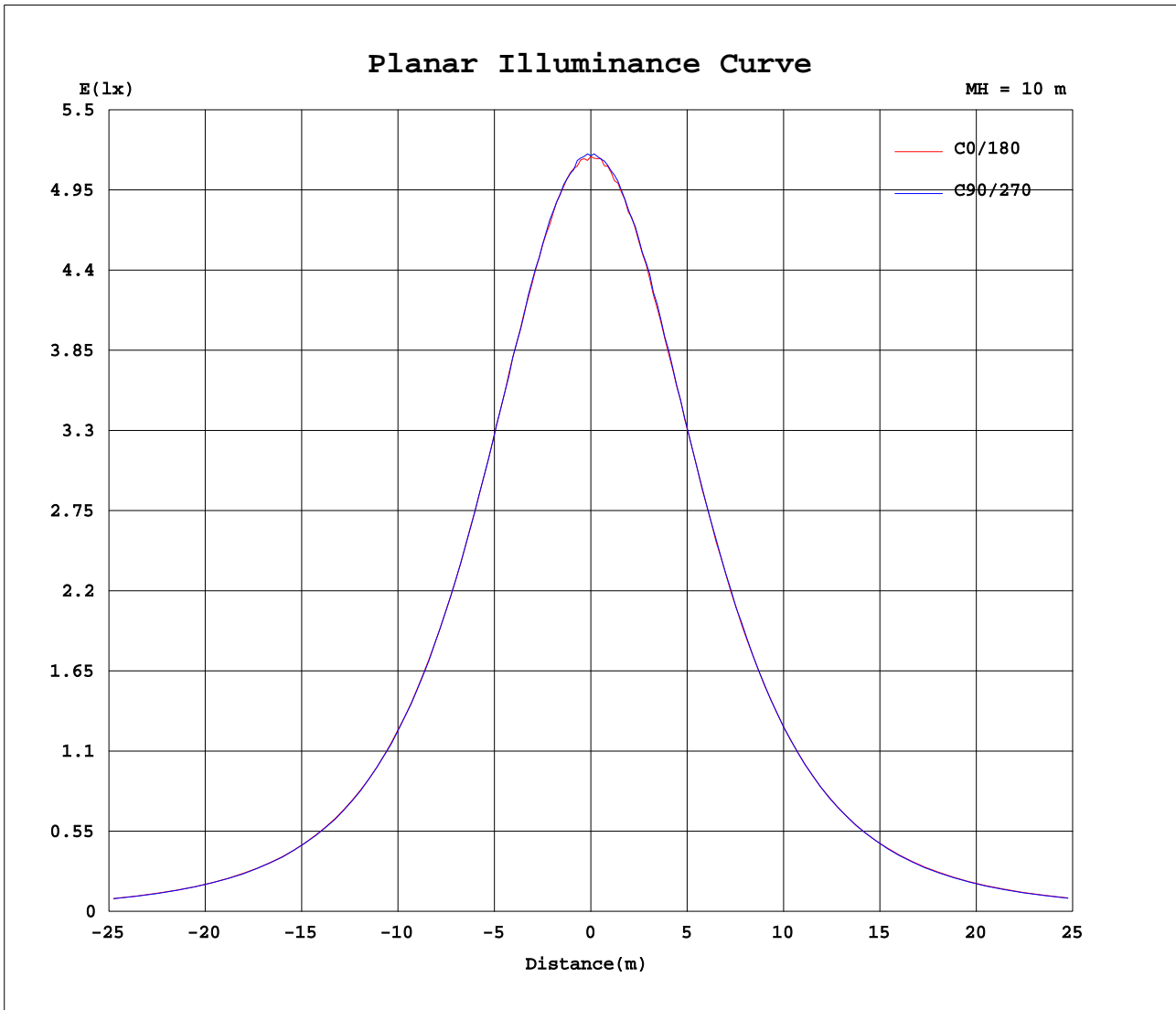
AvgL	cd/m2
L_0~180(65)av	4705
L_0~180(75)av	4448
L_0~180(85)av	4366
L_90~270(65)av	4646
L_90~270(75)av	4195
L_90~270(85)av	2894
L_45(65)av	4691
L_45(75)av	4352
L_45(85)av	3426

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:wxh  
Test Date:2019-05-06

$\gamma$  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: wxh  
 Test Date: 2019-05-06

$\gamma$  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:120.0V I:0.1533A P:18.23W PF:0.9908 Lamp Flux:1574.04x1 lm		
NAME: ASD-LMPJBR-8D18CC-BZ	TYPE:	WEIGHT:
SPEC.: 4000K	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	518	519	518	519	518	520	519	519	518	521	520	522	518	519	518	519	518	520	519
5	516	516	518	517	518	517	515	517	516	517	517	518	517	518	517	518	519	519	518
10	510	508	509	510	510	509	510	510	511	511	513	511	512	511	511	513	512	512	512
15	498	499	498	498	499	499	498	499	499	500	501	501	501	500	504	503	502	503	502
20	483	483	484	485	483	483	482	483	485	484	487	488	487	487	489	488	490	488	489
25	464	464	463	464	462	464	464	466	466	467	467	468	471	469	471	472	470	470	471
30	441	442	441	441	440	443	442	443	442	445	444	445	446	446	448	447	448	448	448
35	415	416	414	414	414	414	414	416	416	418	417	418	421	420	422	421	423	422	422
40	385	385	383	384	383	384	383	386	387	387	386	390	392	391	392	391	393	391	392
45	352	351	351	351	351	351	351	352	353	355	355	357	359	358	360	359	360	357	358
50	315	316	314	316	314	315	314	316	316	318	318	322	322	323	324	323	323	322	323
55	277	277	276	277	276	277	275	278	277	280	280	282	284	284	285	284	285	284	284
60	237	239	236	237	234	237	236	238	237	239	240	242	244	244	245	244	244	242	241
65	195	196	195	195	193	194	194	195	196	197	199	200	203	203	203	202	202	200	199
70	153	154	153	152	150	151	150	152	153	155	156	158	161	160	161	159	159	156	155
75	111	112	110	109	107	107	106	108	108	113	114	116	119	118	119	117	115	112	112
80	71.8	72.1	69.4	68.2	65.1	64.2	63.1	64.8	66.1	70.2	72.6	76.1	79.0	77.9	77.7	73.8	72.2	68.4	68.3
85	34.9	32.1	28.0	26.9	25.0	24.4	23.1	25.1	26.2	30.5	33.3	37.6	41.2	39.1	37.2	33.0	30.8	27.5	27.4
90	4.05	4.10	4.07	4.29	4.46	5.09	5.08	5.60	5.13	4.55	4.13	4.55	7.26	5.58	5.34	5.35	5.64	5.94	5.89
95	4.07	4.08	4.11	4.12	4.19	4.21	4.19	4.19	4.15	4.11	4.06	4.07	4.78	4.77	4.77	4.80	4.80	4.83	4.84
100	4.18	4.21	4.23	4.21	4.22	4.22	4.21	4.20	4.21	4.20	4.20	4.19	4.85	4.87	4.86	4.85	4.87	4.88	4.88
105	4.32	4.33	4.35	4.34	4.36	4.36	4.34	4.33	4.35	4.32	4.34	4.32	4.98	4.97	4.95	4.97	4.97	4.97	4.98
110	4.46	4.46	4.47	4.46	4.49	4.48	4.48	4.47	4.47	4.47	4.46	4.47	5.08	5.08	5.07	5.08	5.08	5.08	5.07
115	4.58	4.59	4.61	4.59	4.61	4.59	4.61	4.59	4.59	4.59	4.59	4.59	5.18	5.17	5.16	5.19	5.16	5.18	5.20
120	4.71	4.71	4.72	4.73	4.73	4.72	4.73	4.71	4.71	4.71	4.73	4.71	5.28	5.29	5.28	5.28	5.27	5.29	5.30
125	4.82	4.83	4.84	4.85	4.83	4.86	4.84	4.85	4.84	4.83	4.84	4.85	5.38	5.37	5.39	5.36	5.37	5.36	5.39
130	4.99	4.97	4.98	4.98	4.99	4.98	5.00	4.95	4.99	4.97	4.99	5.00	5.50	5.48	5.44	5.46	5.45	5.46	5.48
135	5.16	5.14	5.15	5.13	5.14	5.13	5.16	5.12	5.14	5.13	5.15	5.17	5.56	5.57	5.55	5.55	5.53	5.55	5.56
140	5.31	5.31	5.31	5.30	5.31	5.32	5.33	5.30	5.31	5.33	5.32	5.32	5.67	5.67	5.65	5.65	5.64	5.66	5.67
145	5.47	5.47	5.47	5.47	5.48	5.47	5.48	5.47	5.48	5.48	5.49	5.49	5.76	5.77	5.75	5.76	5.75	5.73	5.75
150	5.65	5.63	5.64	5.64	5.66	5.63	5.65	5.63	5.64	5.65	5.66	5.65	5.86	5.87	5.84	5.84	5.83	5.84	5.87
155	5.81	5.81	5.82	5.84	5.81	5.83	5.83	5.82	5.82	5.82	5.83	5.84	5.96	5.96	5.95	5.95	5.94	5.95	5.96
160	6.00	5.96	5.95	5.96	6.00	6.00	6.02	6.01	5.97	6.00	6.00	6.00	6.05	6.07	6.04	6.03	6.05	6.07	6.07
165	6.12	6.09	6.09	6.11	6.13	6.14	6.15	6.15	6.13	6.14	6.13	6.14	6.15	6.16	6.16	6.16	6.15	6.17	6.17
170	6.24	6.22	6.22	6.22	6.25	6.25	6.25	6.27	6.25	6.26	6.28	6.25	6.24	6.26	6.27	6.25	6.24	6.28	6.26
175	6.31	6.32	6.32	6.34	6.33	6.34	6.33	6.34	6.37	6.38	6.37	6.35	6.33	6.33	6.34	6.35	6.34	6.36	6.36
180	6.38	6.37	6.38	6.39	6.38	6.39	6.38	6.40	6.42	6.41	6.42	6.43	6.36	6.35	6.39	6.37	6.38	6.39	6.39

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: wxh  
 Test Date: 2019-05-06

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:120.0V I:0.1533A P:18.23W PF:0.9908 Lamp Flux:1574.04x1 lm		
NAME: ASD-LMPJBR-8D18CC-BZ	TYPE:	WEIGHT:
SPEC.: 4000K	DIM.:	SERIAL No.:
MFR.: ASD Lighting Corp.	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C( DEG) γ (DEG)	285	300	315	330	345														
0	519	518	521	520	522														
5	517	519	518	519	518														
10	512	513	510	513	511														
15	503	500	502	502	501														
20	489	487	488	487	486														
25	469	468	470	469	469														
30	447	449	447	446	446														
35	421	422	421	421	417														
40	392	390	390	390	390														
45	357	359	357	357	355														
50	320	322	320	321	319														
55	282	283	282	283	281														
60	242	242	240	242	240														
65	199	199	198	199	199														
70	154	155	155	157	156														
75	110	112	112	115	114														
80	67.0	69.5	69.9	73.2	73.6														
85	26.7	29.2	29.0	32.1	34.2														
90	5.62	5.45	5.04	4.95	4.98														
95	4.84	4.83	4.83	4.78	4.79														
100	4.88	4.88	4.92	4.89	4.89														
105	4.97	4.99	5.00	4.99	5.00														
110	5.09	5.10	5.10	5.11	5.11														
115	5.21	5.20	5.22	5.22	5.23														
120	5.31	5.32	5.32	5.31	5.33														
125	5.37	5.38	5.42	5.40	5.42														
130	5.48	5.48	5.50	5.50	5.52														
135	5.57	5.58	5.60	5.60	5.61														
140	5.67	5.68	5.69	5.71	5.73														
145	5.78	5.77	5.79	5.80	5.82														
150	5.87	5.87	5.90	5.89	5.92														
155	5.98	5.97	6.00	5.99	6.02														
160	6.08	6.09	6.09	6.11	6.12														
165	6.19	6.19	6.16	6.20	6.22														
170	6.31	6.30	6.30	6.28	6.30														
175	6.38	6.39	6.37	6.39	6.37														
180	6.39	6.42	6.41	6.40	6.42														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:wxh  
 Test Date:2019-05-06

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: