

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	963.3 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	96.3V x 89.2H
	At 50% of Imax	59.5V x 56.1H
	At 90% of Imax	24.3V x 21.4H

Beam Flux	Total	998.8 lumens per klm.
	To 10% of Imax	821.2 lumens per klm.
	To 50% of Imax	534.0 lumens per klm.
	To 90% of Imax	98.9 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.9 %

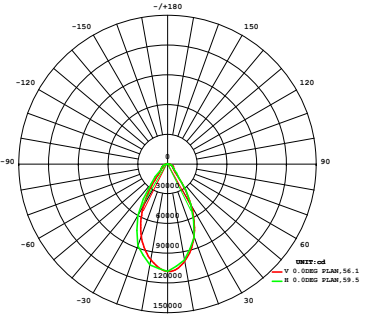
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:06 November 2019

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:6.010m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:219.93V I:3.7813A P:819.60W PF:0.9855 Freq:49.99Hz Lamp Flux:112525x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:840W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

	DATA OF LAMP		Eff:137.29lm/W	
	NJZ- FM2000 10-V01-RZ-60-PC-U-GR		Imax(cd)	108400
	NOMINAL POWER(W)	840	AVAILABILITY(%)	81.6
	RATED VOLTAGE(V)	220	Avai. FLUX(lm)	91868
	NOMINAL FLUX(lm)	112525	LOR(%)	100.0
	LAMPS INSIDE	1	TOTAL FLUX(lm)	112525
	TEST VOLTAGE(V)	220	θ @50% (H,V)	56,59DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	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	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	0.00
80	0.42	6.04	20.5	41.3	65.7	90.9	113	127	135	136	130	118	96.8	72.1	47.0	24.8	8.00	0.60	1233	0.00
70	0.95	11.3	35.0	65.1	96.9	128	155	171	179	180	174	159	133	102	70.5	39.1	13.4	1.23	1714	0.00
60	1.46	16.4	48.2	86.0	125	164	199	227	244	245	229	202	168	131	91.1	52.3	18.5	1.82	2251	0.00
50	1.90	20.0	56.7	99.3	145	197	270	379	472	474	383	274	202	150	105	61.1	22.4	2.33	3314	1332
40	2.26	22.6	62.8	109	164	261	506	883	1184	1183	887	512	267	170	115	67.4	25.2	2.72	6426	5337
30	2.48	24.3	66.6	117	187	407	1000	1705	2188	2172	1693	1009	422	194	124	71.7	27.4	3.05	11415	10575
20	2.61	25.3	69.0	122	213	620	1488	2317	2851	2827	2297	1493	647	225	130	74.5	28.8	3.27	15435	14702
10	2.60	25.3	69.8	125	231	754	1731	2599	3152	3125	2584	1752	804	252	135	76.3	29.8	3.44	17451	16768
0	2.49	24.8	69.1	124	226	719	1668	2545	3104	3068	2530	1709	787	251	134	76.2	29.9	3.49	17071	16379
-10	2.21	23.5	66.7	118	199	535	1304	2095	2623	2609	2122	1385	616	224	130	74.7	29.4	3.45	14161	13410
-20	1.84	21.8	63.1	111	173	333	799	1411	1854	1872	1472	890	390	191	123	71.6	28.1	3.15	9810	8932
-30	1.32	19.2	57.5	102	151	214	372	661	911	935	719	429	242	167	114	67.1	26.1	2.70	5194	4008
-40	0.88	15.7	49.8	89.9	132	175	207	248	299	310	269	223	189	147	103	60.3	22.9	2.12	2543	424
-50	0.49	11.1	38.6	73.0	109	144	173	189	194	197	197	186	159	124	87.2	50.7	18.5	1.60	1953	0.00
-60	0.22	6.05	24.3	49.8	77.9	106	131	145	152	155	154	143	121	93.8	64.9	37.2	12.6	1.12	1474	0.00
-70	0.06	1.86	9.68	23.0	40.6	58.7	75.4	87.5	100	103	94.9	86.6	72.3	54.8	36.7	20.2	6.59	0.74	872	0.00
-80	0.02	0.05	0.66	2.75	6.15	10.3	15.2	20.6	31.7	32.9	24.2	20.7	16.8	12.8	7.89	3.93	1.34	0.22	208	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	0.00
-90 -80 -70 -60 -50 -40 -30 -20 HORIZONTAL (DEG) 20 30 40 50 60 70 80 90																				
Φ t	24.2	275	808	1459	2344	4917	10206	15812	19675	19623	15960	10591	5335	2563	1618	929	349	37.01	12525	---
Φ a	0.00	0.00	0.00	0.00	320	3373	8877	14496	18345	18281	14624	9255	3787	509	0.00	0.00	0.00	0.00	---	91868

one-half-peak spread: U:27.8,D:32.0 , L:27.0,R:29.5

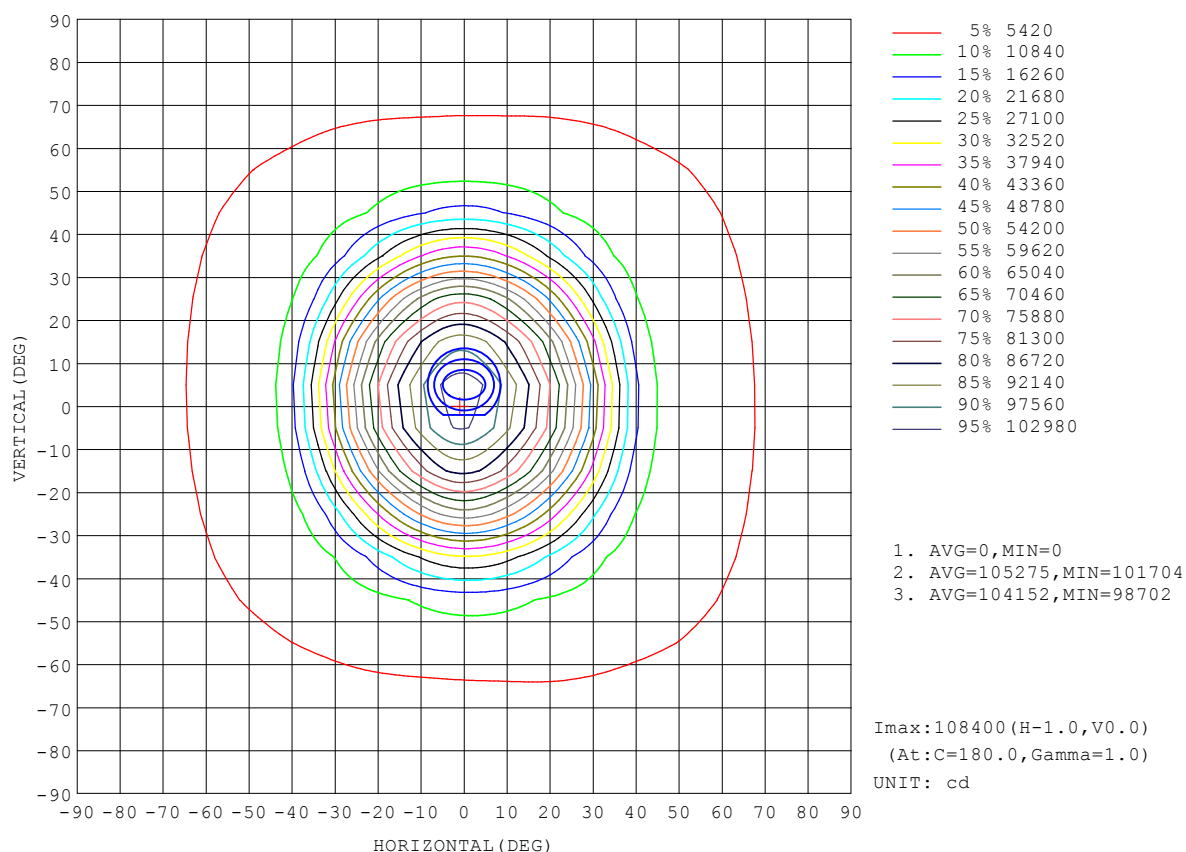
NEMA Beam Type: Type 5

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:06 November 2019

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:6.010m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:219.93V I:3.7813A P:819.60W PF:0.9855 Freq:49.99Hz Lamp Flux:112525x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:840W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

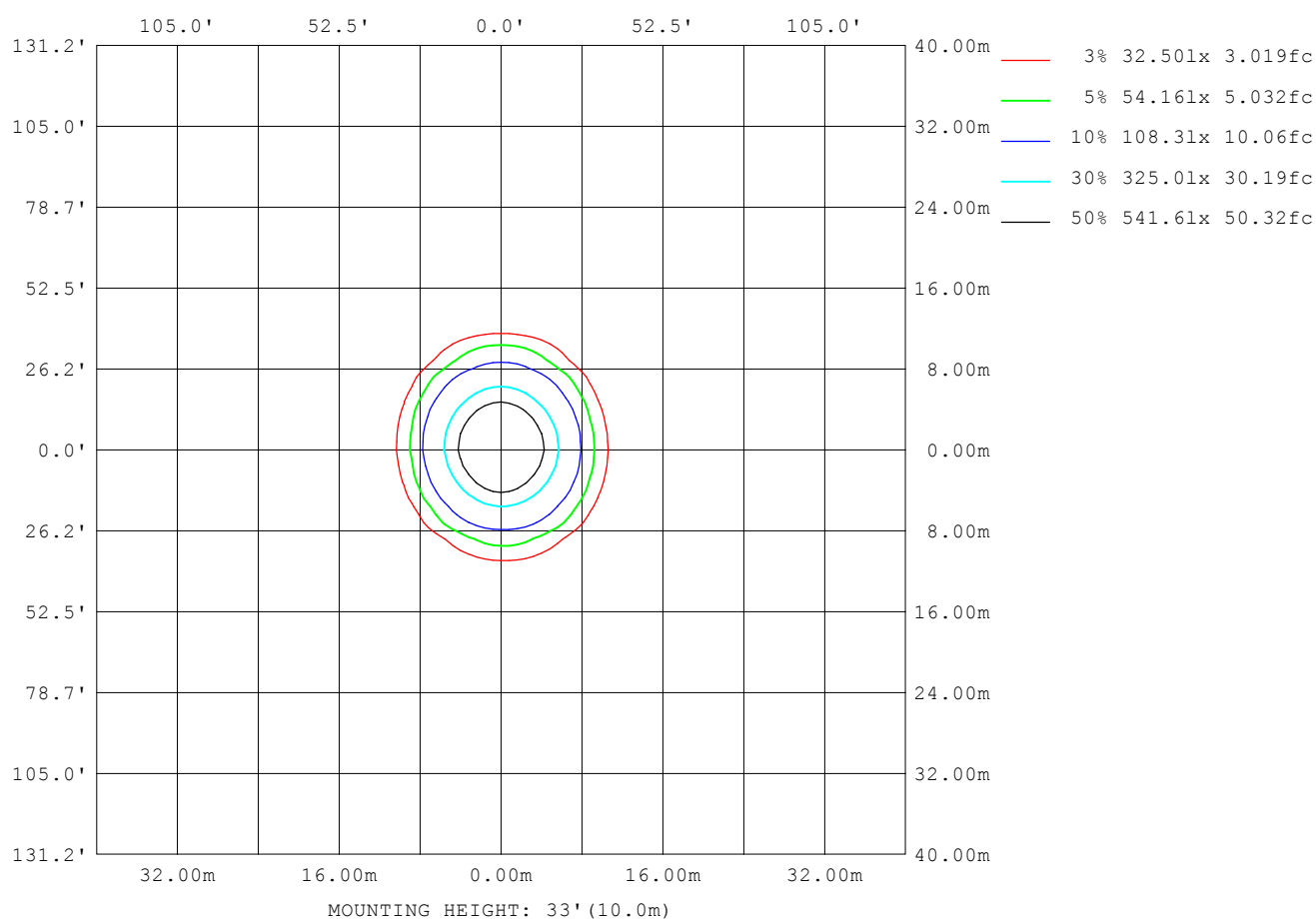


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Temperature:25.3DEG
Operators:CL
Test Date:06 November 2019

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Remarks:

ISOLUX DIAGRAM

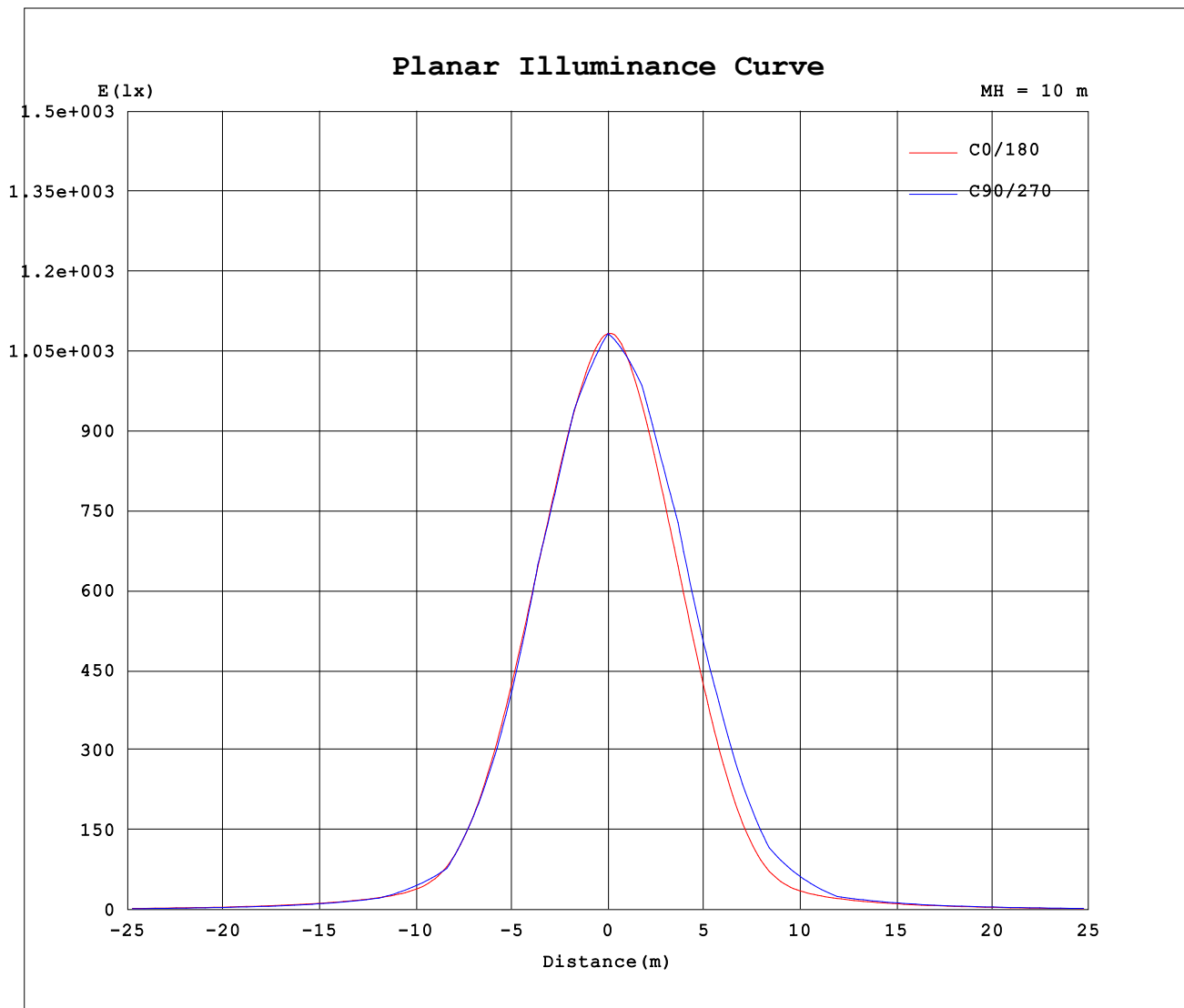
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Test Date:06 November 2019

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Humidity:65.0%
Test Distance:6.010m [K=1.0000]
Remarks:

Planar Illuminance Curve



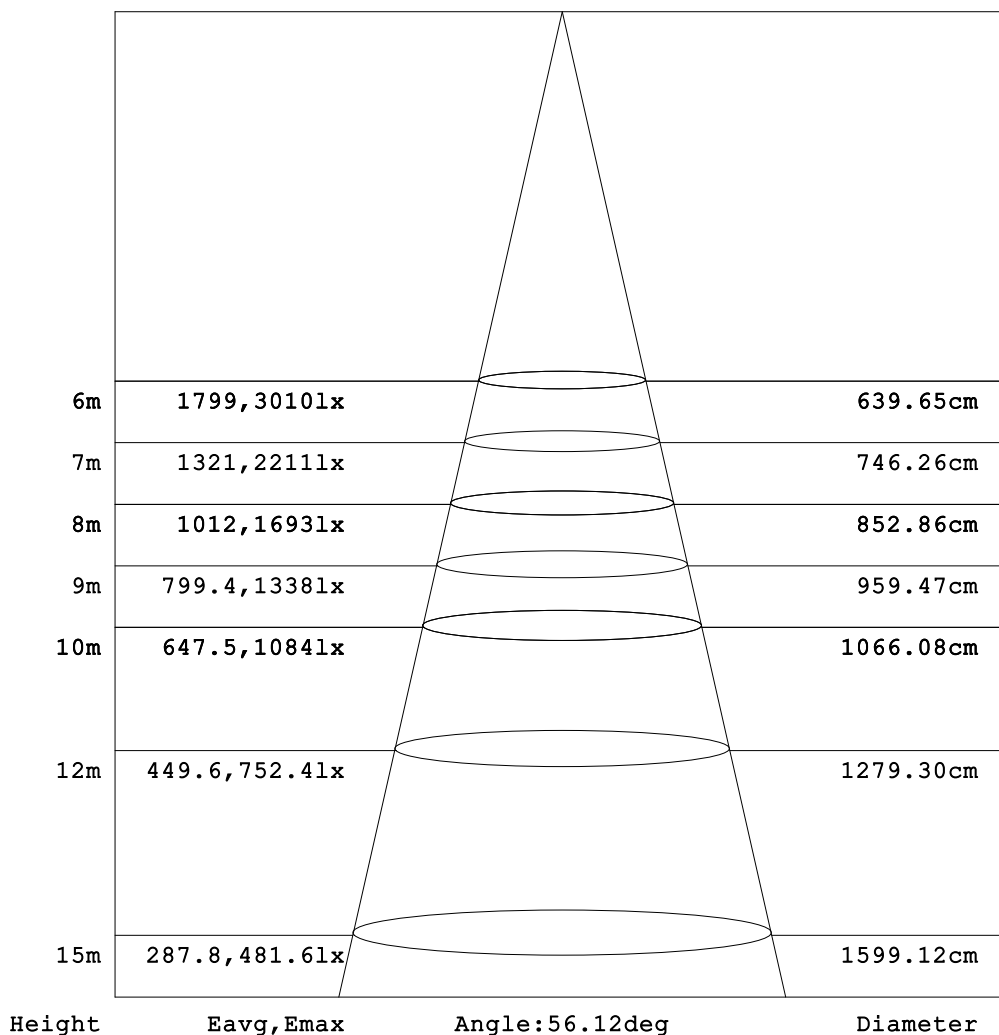
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 Temperature:25.3DEG
 Operators:CL
 Test Date:06 November 2019

V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:6.010m [K=1.0000]
 Remarks:

AAI Figure

Test:U:219.93V I:3.7813A P:819.60W PF:0.9855 Freq:49.99Hz Lamp Flux:112525x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:840W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

Flux out:59967 lm



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

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:06 November 2019

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:6.010m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:219.93V I:3.7813A P:819.60W PF:0.9855 Freq:49.99Hz Lamp Flux:112525x1 lm		
NAME: LED High Bay Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:840W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

Table--1

UNIT: ×100cd

H (DEG) V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-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
-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
-80	0.18	0.18	0.20	0.48	1.47	2.96	4.75	6.49	8.24	10.1	11.7	13.2	14.8	16.4	17.7	19.1	21.2	25.2	28.0
-75	0.17	0.18	0.64	2.31	4.79	7.63	10.7	13.2	16.1	18.8	21.0	23.2	25.3	27.0	28.4	29.5	30.9	33.4	35.1
-70	0.17	0.19	1.07	4.13	8.11	12.3	16.6	20.0	24.0	27.5	30.4	33.3	35.8	37.7	39.0	40.0	40.7	41.5	42.2
-65	0.17	0.27	2.20	6.91	12.9	18.4	23.4	27.9	32.0	35.7	39.0	42.1	44.8	47.1	48.6	49.5	50.1	50.7	51.3
-60	0.16	0.36	3.33	9.69	17.7	24.4	30.3	35.8	40.0	43.9	47.5	50.9	53.9	56.4	58.1	59.0	59.4	59.9	60.4
-55	0.16	0.60	4.73	12.8	22.0	29.5	35.8	41.4	46.1	50.2	54.1	57.6	61.0	64.0	66.5	68.5	70.1	71.4	72.4
-50	0.16	0.84	6.14	15.9	26.3	34.5	41.2	47.0	52.2	56.6	60.6	64.4	68.1	71.6	74.9	78.0	80.7	82.9	84.3
-45	0.17	1.29	7.78	18.5	29.6	38.2	45.1	51.1	56.5	61.3	66.1	71.4	77.0	83.7	92.6	104	115	124	129
-40	0.17	1.74	9.42	21.1	32.9	41.8	48.9	55.2	60.7	66.0	71.7	78.4	86.0	95.9	110	129	149	165	173
-35	0.17	2.06	11.0	22.7	35.3	44.3	51.6	58.1	64.1	70.2	78.0	89.2	110	144	187	233	275	307	321
-30	0.18	2.38	12.5	24.3	37.7	46.8	54.2	61.1	67.6	74.5	84.2	100	134	192	263	337	401	448	468
-25	0.18	2.99	13.7	25.6	39.6	48.6	56.1	63.4	70.6	79.5	94.7	130	196	285	381	472	549	603	626
-20	0.19	3.61	14.9	26.9	41.4	50.3	58.0	65.7	73.7	84.5	105	160	258	378	499	608	696	758	783
-15	0.19	4.37	15.5	27.5	42.5	51.4	59.3	67.3	76.0	89.1	121	202	326	463	592	704	794	859	883
-10	0.20	5.14	16.0	28.1	43.5	52.4	60.5	68.8	78.4	93.8	137	244	393	547	685	800	892	961	983
-5	0.20	5.53	16.6	28.8	44.2	53.1	61.3	70.0	80.3	97.6	149	271	430	591	732	850	943	1011	1033
0	0.21	5.91	17.1	29.5	44.9	53.8	62.2	71.1	82.2	101	162	297	468	634	779	900	995	1062	1083
5	0.21	6.00	17.1	29.5	44.9	53.7	62.0	70.7	81.5	100	157	287	453	617	759	876	967	1035	1058
10	0.22	6.08	17.1	29.6	44.8	53.6	61.8	70.3	80.8	98.6	152	277	439	600	738	851	939	1007	1032
15	0.22	6.09	17.0	29.6	44.4	53.0	61.1	69.3	79.0	94.4	137	239	383	533	667	778	866	932	955
20	0.22	6.10	16.9	29.5	43.9	52.5	60.3	68.3	77.2	90.3	121	201	327	466	595	706	793	857	878
25	0.22	5.80	16.3	28.8	42.7	51.3	58.9	66.5	74.3	85.2	107	161	254	367	480	581	662	720	740
30	0.23	5.51	15.7	28.0	41.5	50.1	57.5	64.6	71.4	80.0	93.2	121	182	269	364	456	531	584	602
35	0.23	5.16	14.9	27.0	39.7	48.3	55.5	62.2	68.5	75.7	85.8	104	141	195	258	322	378	417	431
40	0.23	4.82	14.1	25.9	37.9	46.5	53.5	59.7	65.5	71.3	78.3	87.0	99.5	121	151	189	224	250	260
45	0.23	4.23	12.9	23.9	35.3	43.6	50.4	56.5	61.8	66.9	72.6	79.2	87.6	100	118	139	158	173	178
50	0.24	3.65	11.7	22.0	32.6	40.7	47.4	53.2	58.1	62.5	66.9	71.3	75.7	80.1	84.5	88.8	92.7	95.5	96.6
55	0.24	3.05	10.2	19.5	29.1	36.7	43.1	48.5	53.3	57.5	61.4	65.1	68.7	72.1	75.2	77.9	80.2	81.8	82.5
60	0.24	2.44	8.73	17.0	25.7	32.7	38.8	43.9	48.5	52.5	55.9	59.0	61.7	64.0	65.9	67.0	67.7	68.1	68.4
65	0.24	1.77	6.98	13.5	20.7	27.0	32.1	37.0	41.2	44.7	48.0	51.0	53.6	55.7	57.1	58.0	58.4	58.8	59.1
70	0.25	1.09	5.24	10.0	15.8	21.2	25.4	30.0	33.8	36.9	40.0	43.0	45.4	47.3	48.4	49.0	49.2	49.5	49.8
75	0.25	0.71	3.41	6.96	11.0	15.0	18.6	22.0	25.2	28.0	30.6	33.1	35.3	36.9	38.0	38.7	39.2	39.7	40.1
80	0.25	0.33	1.57	3.88	6.26	8.84	11.7	14.0	16.6	19.1	21.2	23.3	25.1	26.5	27.5	28.3	29.1	29.9	30.4
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

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:06 November 2019

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:6.010m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

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SPEC.:840W	DIM.: N/A	SERIAL No.:N/A
MFR.: NJZ Lighting Technology Co.,Ltd	SUR.:N/A	Shielding Angle:N/A

Table--2

UNIT: ×100cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-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	
-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	
-80	26.1	22.8	21.6	21.0	20.4	19.5	18.6	17.5	16.4	14.8	12.9	11.2	9.13	7.14	4.86	2.87	1.62	0.66	
-75	34.2	32.6	32.1	31.8	31.2	30.2	28.8	27.1	25.3	23.4	20.9	18.3	15.6	12.4	8.02	4.10	2.16	0.64	
-70	42.4	42.5	42.6	42.5	42.0	40.8	38.9	36.6	34.3	32.0	28.9	25.3	22.0	17.6	11.2	5.33	2.70	0.61	
-65	51.7	52.0	52.3	52.3	51.6	50.1	48.0	45.5	42.9	40.0	36.5	32.6	28.3	22.9	15.0	6.81	3.22	0.59	
-60	60.9	61.6	62.1	62.1	61.2	59.4	57.1	54.4	51.5	48.1	44.2	39.8	34.5	28.3	18.7	8.30	3.74	0.56	
-55	72.7	72.6	72.0	70.9	69.1	66.8	64.0	60.8	57.4	53.7	49.5	44.6	38.9	32.1	22.3	10.4	4.41	0.53	
-50	84.5	83.6	81.9	79.7	77.1	74.1	70.8	67.2	63.4	59.4	54.8	49.4	43.3	36.0	26.0	12.5	5.07	0.50	
-45	128	121	111	101	91.3	83.9	78.0	72.8	68.0	63.6	58.5	52.8	46.4	38.8	28.0	14.6	5.41	0.47	
-40	171	159	141	122	105	93.8	85.3	78.5	72.7	67.7	62.3	56.2	49.5	41.7	30.1	16.6	5.75	0.44	
-35	314	288	251	207	164	126	100	86.2	77.5	71.2	65.2	58.7	51.7	43.7	31.8	17.9	6.15	0.40	
-30	456	418	361	292	222	158	115	93.9	82.4	74.6	68.1	61.2	53.8	45.8	33.4	19.3	6.54	0.36	
-25	608	560	492	409	317	227	152	107	87.4	77.4	70.1	62.8	55.2	47.1	34.4	19.8	7.45	0.31	
-20	760	703	624	525	413	295	189	121	92.5	80.1	72.1	64.5	56.5	48.3	35.3	20.3	8.36	0.27	
-15	854	794	713	612	492	361	234	140	98.5	82.8	73.8	65.7	57.4	49.1	36.0	20.6	9.00	0.25	
-10	948	885	803	698	571	426	279	160	105	85.5	75.5	66.9	58.4	49.9	36.7	21.0	9.64	0.23	
-5	998	932	847	738	607	457	301	171	107	86.5	76.0	67.2	58.6	50.0	36.6	20.9	9.50	0.22	
0	1048	980	891	779	643	487	323	181	110	87.5	76.5	67.6	58.9	50.2	36.6	20.8	9.35	0.21	
5	1023	956	869	758	624	470	309	174	108	86.8	76.1	67.3	58.6	50.0	36.2	20.7	9.19	0.22	
10	998	933	847	738	605	452	295	166	106	86.1	75.8	66.9	58.3	49.8	35.9	20.5	9.04	0.22	
15	923	858	772	664	535	392	252	146	99.6	83.3	74.0	65.7	57.4	48.9	34.9	20.0	8.65	0.22	
20	848	784	698	591	466	333	209	126	93.5	80.6	72.3	64.5	56.4	48.1	34.0	19.4	8.27	0.22	
25	714	656	576	478	369	260	168	111	88.5	77.9	70.4	62.9	55.1	46.9	32.9	18.8	7.88	0.22	
30	580	528	454	366	273	187	126	96.6	83.5	75.2	68.6	61.4	53.9	45.7	31.9	18.2	7.49	0.22	
35	416	377	323	260	197	144	107	88.4	78.6	71.9	65.8	59.0	51.9	43.6	30.3	17.2	6.86	0.22	
40	251	226	191	154	122	100	88.3	80.2	73.8	68.6	63.0	56.7	49.8	41.5	28.7	16.1	6.24	0.22	
45	173	160	140	120	102	88.9	80.9	74.7	69.5	64.8	59.6	53.7	47.0	38.8	26.8	14.9	5.60	0.22	
50	95.7	93.1	89.5	85.4	81.3	77.4	73.4	69.3	65.2	61.0	56.3	50.6	44.1	36.1	24.9	13.8	4.97	0.23	
55	82.0	80.6	78.6	76.1	73.3	70.3	67.1	63.7	60.1	56.2	51.6	46.2	40.0	32.4	22.2	12.2	4.04	0.23	
60	68.4	68.2	67.8	66.9	65.3	63.2	60.9	58.1	55.0	51.3	46.8	41.8	35.9	28.7	19.5	10.6	3.12	0.23	
65	59.1	59.1	58.9	58.3	57.1	55.2	53.0	50.2	47.2	44.0	40.0	35.2	30.1	23.8	16.0	8.66	2.45	0.24	
70	49.8	49.9	50.0	49.8	48.9	47.3	45.0	42.3	39.4	36.6	33.2	28.5	24.3	19.0	12.6	6.77	1.79	0.24	
75	40.0	39.7	39.6	39.2	38.4	37.0	35.0	32.8	30.4	27.8	24.8	21.4	17.8	13.7	9.15	4.54	1.20	0.25	
80	30.1	29.6	29.1	28.7	27.9	26.7	25.1	23.3	21.4	19.0	16.4	14.3	11.4	8.41	5.68	2.31	0.62	0.25	
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	
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	

H(β) Range:-90 - 90DEG

H(β) Interval: 1.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:CL

Test Date:06 November 2019

V(B) Range:-80 - 80DEG

V(B) Interval: 5.0DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366

Humidity:65.0%

Test Distance:6.010m [K=1.0000]

Remarks: