

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)	355.0 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
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Beam Spread	At 10% of Imax	155.0V x 171.4H
	At 50% of Imax	107.8V x 113.0H
	At 90% of Imax	45.1V x 48.0H

Beam Flux	Total	997.4 lumens per klm.
	To 10% of Imax	986.5 lumens per klm.
	To 50% of Imax	710.9 lumens per klm.
	To 90% of Imax	169.4 lumens per klm.

Upward LOR	0.0 %
Downward LOR	99.7 %

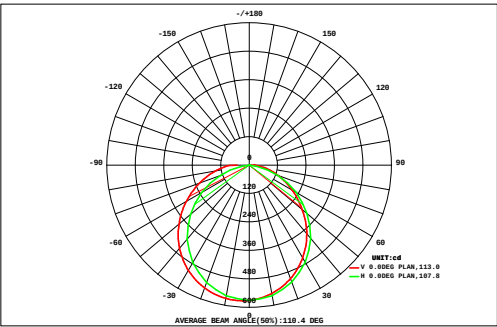
Luminaire Efficiency(Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-11-23

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.7V I:0.1132A P:14.64W PF:1.000 Freq:60.00Hz Lamp Flux:1614.56x1 lm		
NAME: 8.02.038.0038 LLS-WZB-W40-L6-S	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:202411075
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:110.29lm/W	
MODEL	LLS-WZB-W40-L6-S	Imax(cd)	573.1
NOMINAL POWER(W)	14	AVAILABILITY(%)	99.1
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	1600
NOMINAL FLUX(lm)	1614.56	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	1615
TEST VOLTAGE(V)	220	θ @50%(H,V)	113,108DEG

AREA FLUX DIAGRAM																		UNIT:lm	Φ t	Φ a
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	0.08	0.32	0.62	0.95	1.26	1.51	1.71	1.93	2.23	2.58	2.86	3.02	2.98	2.73	2.26	1.64	0.95	0.29	29.9	25.5
70	0.08	0.37	0.85	1.46	2.19	2.98	3.83	4.66	5.31	5.64	5.60	5.20	4.52	3.67	2.72	1.77	0.92	0.26	52.0	51.5
60	0.09	0.47	1.15	2.11	3.32	4.70	6.13	7.38	8.22	8.55	8.32	7.56	6.39	4.97	3.51	2.16	1.06	0.27	76.4	76.1
50	0.10	0.57	1.44	2.76	4.44	6.36	8.27	9.86	10.9	11.2	10.8	9.73	8.14	6.23	4.28	2.55	1.18	0.29	99.1	98.9
40	0.11	0.65	1.72	3.37	5.48	7.86	10.2	12.0	13.2	13.5	13.0	11.6	9.68	7.35	4.96	2.88	1.29	0.30	119	119
30	0.12	0.72	1.94	3.86	6.32	9.07	11.7	13.7	15.0	15.3	14.7	13.1	10.9	8.21	5.48	3.14	1.38	0.31	135	135
20	0.13	0.77	2.11	4.20	6.89	9.90	12.7	14.9	16.3	16.6	15.9	14.1	11.7	8.80	5.89	3.33	1.45	0.32	146	146
10	0.13	0.79	2.19	4.38	7.20	10.3	13.2	15.5	16.9	17.3	16.5	14.7	12.1	9.11	6.07	3.41	1.47	0.32	152	151
0	0.12	0.79	2.19	4.37	7.20	10.3	13.2	15.5	16.9	17.3	16.5	14.7	12.1	9.09	6.06	3.42	1.47	0.32	151	151
-10	0.10	0.75	2.10	4.20	6.88	9.86	12.7	14.9	16.2	16.6	15.8	14.1	11.7	8.79	5.86	3.31	1.44	0.30	146	145
-20	0.07	0.69	1.92	3.83	6.27	9.03	11.6	13.7	14.9	15.3	14.6	13.1	10.8	8.17	5.48	3.14	1.38	0.25	134	134
-30	0.05	0.57	1.68	3.33	5.43	7.78	10.1	11.9	13.1	13.4	12.9	11.6	9.64	7.33	4.93	2.87	1.27	0.21	118	118
-40	0.04	0.44	1.39	2.70	4.36	6.26	8.17	9.76	10.8	11.1	10.7	9.69	8.12	6.23	4.29	2.56	1.10	0.19	97.9	97.7
-50	0.03	0.31	1.06	2.02	3.22	4.58	5.99	7.22	8.08	8.43	8.23	7.51	6.37	4.98	3.53	2.18	0.92	0.19	74.9	74.5
-60	0.03	0.22	0.74	1.38	2.09	2.89	3.74	4.57	5.22	5.58	5.57	5.21	4.55	3.70	2.75	1.78	0.73	0.18	50.9	50.3
-70	0.02	0.13	0.44	0.80	1.08	1.36	1.61	1.92	2.27	2.60	2.81	2.86	2.73	2.44	1.99	1.34	0.56	0.16	27.1	22.6
-80	0.01	0.04	0.13	0.21	0.22	0.20	0.14	0.11	0.14	0.24	0.41	0.60	0.74	0.78	0.72	0.48	0.22	0.08	5.46	2.70
-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
Φ t	1.33	8.60	23.7	45.9	73.9	105	135	160	176	181	175	158	133	103	70.8	42.0	18.8	4.24	1615	---
Φ a	0.21	6.78	22.1	44.6	72.6	104	133	158	175	180	174	158	133	103	70.8	42.0	18.7	4.13	---	1600

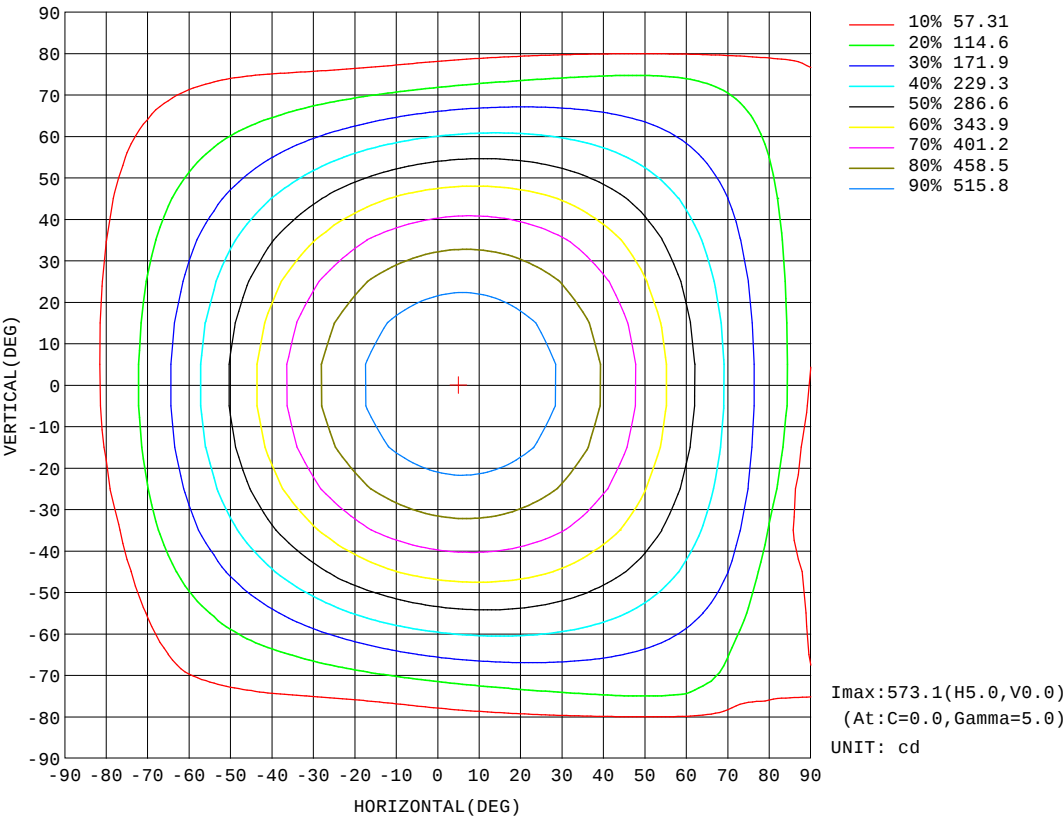
one-half-peak spread: U:54.0,D:54.4 , L:56.0,R:57.7 NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-11-23

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.7V I:0.1132A P:14.64W PF:1.000 Freq:60.00Hz Lamp Flux:1614.56x1 lm		
NAME: 8.02.038.0038 LLS-WZB-W40-L6-S	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:202411075
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:

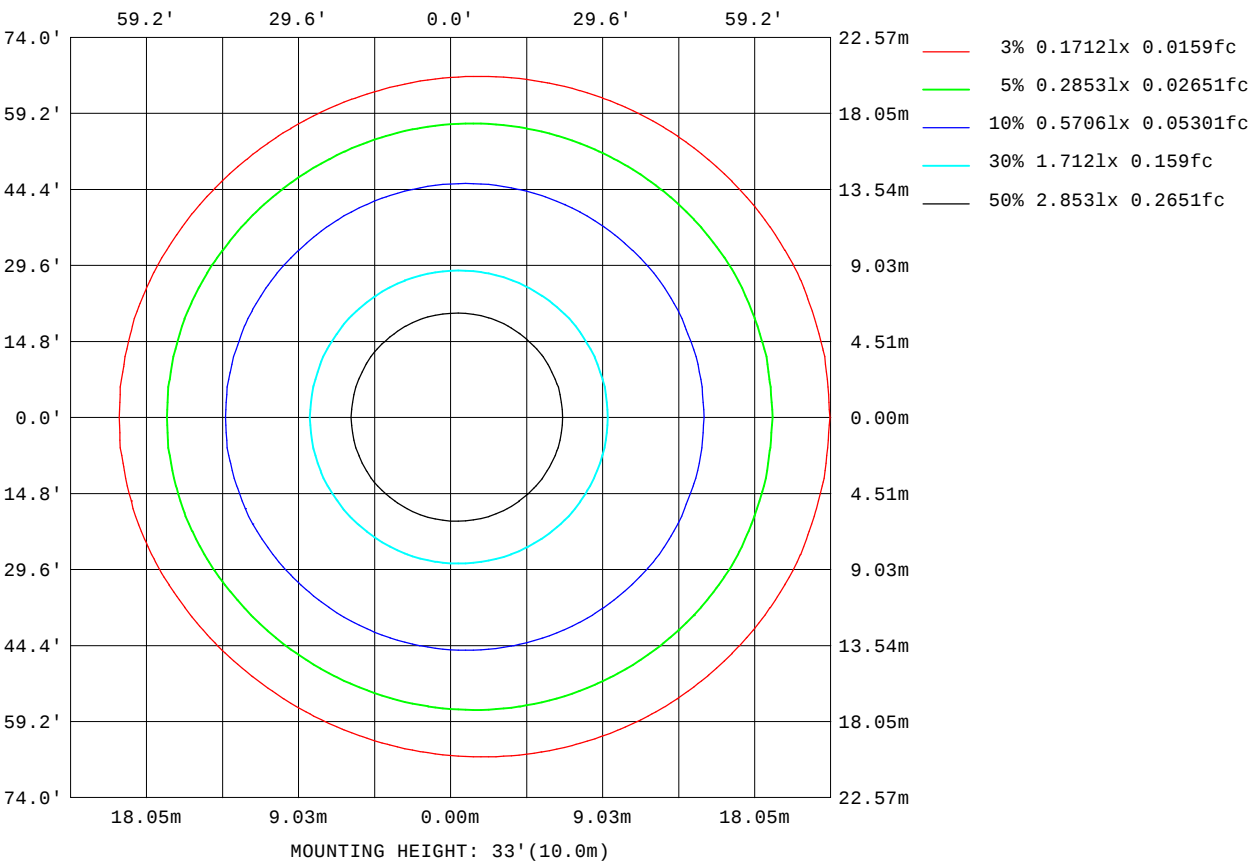


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Temperature:28.0DEG
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Test Date:2024-11-23

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

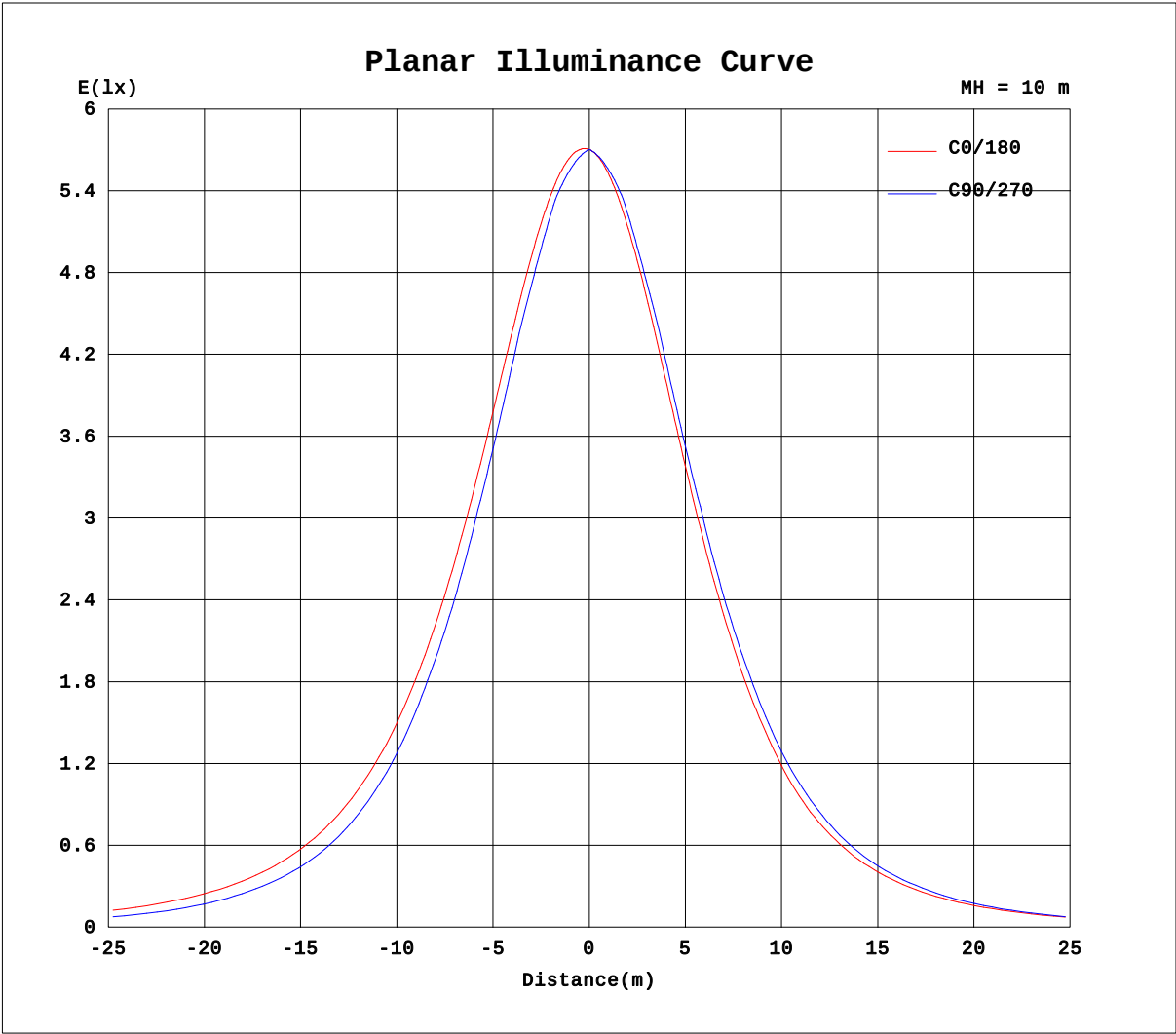
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SPEC.:	DIM.:	SERIAL No.:202411075
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:



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H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-11-23

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

Planar Illuminance Curve

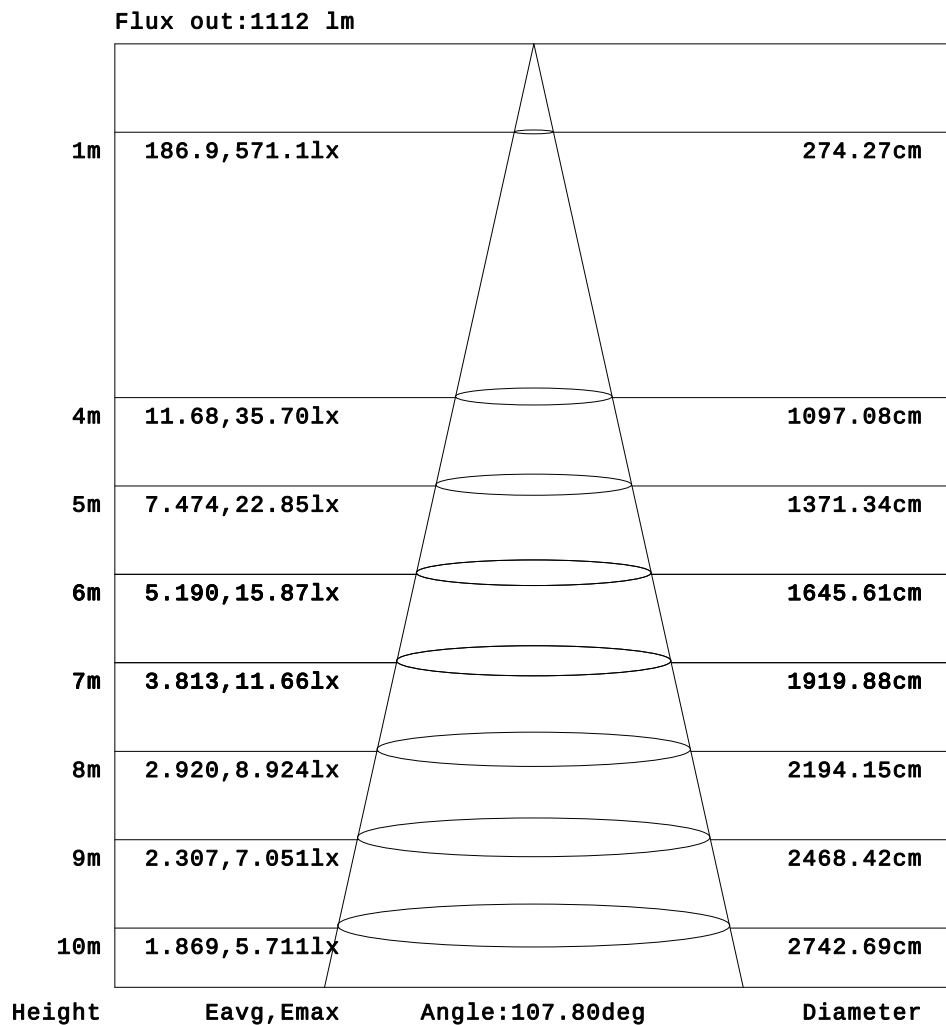


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-11-23

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.7V I:0.1132A P:14.64W PF:1.000 Freq:60.00Hz Lamp Flux:1614.56x1 lm		
NAME: 8.02.038.0038 LLS-WZB-W40-L6-S	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:202411075
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:



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:28.0DEG
Operators:QC1
Test Date:2024-11-23

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.7V I:0.1132A P:14.64W PF:1.000 Freq:60.00Hz Lamp Flux:1614.56x1 lm		
NAME: 8.02.038.0038 LLS-WZB-W40-L6-S	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:202411075
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:

Table--1

UNIT: cd

H(°) \ V(°)	-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	4.52	8.28	5.57	12.0	18.4	24.2	30.9	31.4	31.6	31.0	30.5	29.3	27.9	26.5	25.4	25.0	25.9	28.9	33.2
-75	4.19	8.74	8.93	16.3	24.9	34.4	43.3	46.4	49.0	51.3	54.0	56.0	58.0	60.2	63.0	66.5	70.6	75.6	80.9
-70	3.86	9.19	12.3	20.6	31.4	44.6	55.7	61.3	66.5	71.6	77.5	82.7	88.1	94.0	101	108	115	122	129
-65	2.92	9.15	14.4	26.2	40.3	57.3	69.9	79.0	87.8	97.3	107	116	125	135	145	155	164	172	178
-60	1.99	9.10	16.5	31.8	49.2	69.9	84.1	96.6	109	123	136	149	163	176	189	201	212	221	228
-55	0.99	10.5	20.0	38.0	59.1	82.5	98.9	115	132	149	166	183	200	217	232	245	257	266	273
-50	0.00	11.8	23.4	44.1	69.1	95.2	114	133	155	175	196	217	238	257	274	289	302	311	319
-45	0.00	11.5	26.8	52.1	81.4	106	129	152	177	201	226	250	273	295	314	330	344	354	361
-40	0.00	11.1	30.2	60.1	93.8	118	143	172	200	228	255	282	308	332	354	372	386	396	404
-35	0.00	12.7	35.9	69.8	101	127	158	188	219	250	281	310	338	364	386	404	419	430	438
-30	0.00	14.2	41.7	79.4	108	137	172	205	239	273	307	338	368	395	418	437	453	465	472
-25	0.00	17.3	50.3	84.0	114	146	182	217	253	289	326	360	391	418	443	463	479	491	499
-20	0.00	20.4	58.9	88.7	120	155	191	229	267	305	346	381	414	442	468	488	505	517	525
-15	0.00	26.8	60.4	90.9	124	160	198	237	277	317	357	394	427	457	483	504	522	534	542
-10	0.00	33.1	61.9	93.2	128	165	205	245	287	328	369	406	440	471	498	520	538	551	559
-5	0.00	36.3	64.7	95.3	130	167	207	247	289	332	373	411	446	477	504	526	544	557	565
0	0.00	39.5	67.5	97.4	131	168	208	249	292	336	378	416	451	482	509	532	549	563	570
5	0.00	39.7	66.8	96.3	130	167	207	247	289	332	373	411	446	477	504	526	544	557	565
10	0.00	39.9	66.1	95.2	128	165	205	245	287	329	369	406	441	472	498	521	538	552	559
15	0.00	39.6	65.1	93.3	125	161	198	238	278	318	358	394	428	458	484	506	523	536	543
20	0.00	39.3	64.1	91.5	122	156	192	230	268	307	347	383	415	444	470	491	507	520	527
25	0.00	38.5	61.9	87.6	117	148	183	218	255	291	328	362	393	421	445	466	482	494	501
30	0.00	37.6	59.7	83.8	111	141	174	207	241	275	309	341	371	398	421	440	456	468	475
35	0.00	36.7	57.1	79.5	104	131	161	191	222	253	284	314	341	368	390	408	423	434	441
40	0.00	35.8	54.5	75.2	97.7	122	148	175	203	231	259	286	312	338	359	376	390	400	407
45	0.00	34.3	50.7	69.7	89.5	111	133	157	181	206	230	254	277	300	319	335	348	358	365
50	0.00	32.8	46.9	64.2	81.3	99.6	119	139	159	180	201	222	243	262	279	294	306	316	323
55	0.00	31.5	44.0	58.5	73.1	88.2	104	120	137	154	171	188	206	222	237	250	262	271	277
60	0.00	30.3	41.1	52.9	64.9	76.9	89.3	102	115	128	141	155	168	182	195	207	217	226	232
65	0.74	27.8	37.3	46.6	55.6	65.5	74.7	83.9	93.2	102	112	121	131	140	150	160	168	176	182
70	1.47	25.3	33.6	40.4	46.4	54.1	60.1	65.9	71.4	76.8	82.1	87.3	92.8	98.7	105	112	119	126	132
75	1.45	22.0	29.7	34.7	38.6	42.8	46.9	49.9	53.1	55.5	57.6	59.5	61.5	63.7	66.3	69.5	73.4	78.0	82.8
80	1.43	18.7	25.9	28.9	30.7	31.5	33.6	33.9	34.7	34.1	33.1	31.7	30.2	28.6	27.3	26.6	27.3	29.9	33.7
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
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Operators:QC1
Test Date:2024-11-23

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.7V I:0.1132A P:14.64W PF:1.000 Freq:60.00Hz Lamp Flux:1614.56x1 lm		
NAME: 8.02.038.0038 LLS-WZB-W40-L6-S	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:202411075
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:

Table--2																	UNIT: cd	
H(DEC) V(DEC)	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	38.5	44.2	50.5	57.1	63.9	70.5	76.7	82.2	86.9	90.6	93.3	94.8	83.3	70.9	57.4	57.9	58.3	58.6
-75	86.2	91.3	96.0	100	104	108	111	113	114	115	114	113	104	85.6	67.6	63.8	59.8	58.4
-70	134	138	142	144	145	145	145	144	142	139	135	130	125	100	77.7	69.8	61.3	58.1
-65	183	187	189	189	188	186	182	177	172	165	157	149	139	117	89.1	73.7	64.7	56.9
-60	232	235	236	235	232	226	220	211	202	191	180	167	154	133	100	77.7	68.2	55.7
-55	278	280	280	277	272	265	255	244	231	217	201	185	169	147	112	81.4	67.5	53.5
-50	323	324	323	319	312	303	291	277	260	242	223	203	183	162	123	85.1	66.8	51.3
-45	365	366	364	359	350	339	324	307	288	267	244	221	197	173	136	92.4	65.0	49.9
-40	407	407	404	398	388	374	358	338	316	291	265	238	210	183	148	99.8	63.1	48.4
-35	441	441	437	430	418	403	385	363	339	311	281	251	221	191	157	111	63.0	43.6
-30	475	475	470	462	449	432	412	388	362	330	297	264	231	198	166	123	62.9	38.8
-25	502	501	495	486	472	454	432	407	378	346	311	276	241	205	171	131	74.6	30.5
-20	528	526	520	510	495	475	452	425	395	361	325	288	250	212	176	140	86.3	22.3
-15	545	543	537	525	510	490	465	437	406	371	334	294	254	216	178	142	98.3	22.3
-10	562	560	553	541	525	504	479	450	417	381	343	300	259	219	181	144	110	22.4
-5	567	565	558	546	530	509	483	454	421	384	345	303	262	221	182	144	110	37.1
0	573	571	564	551	534	513	487	457	424	387	348	306	265	224	184	145	110	51.9
5	568	566	559	547	530	509	483	454	421	385	346	303	262	222	182	145	110	58.7
10	562	560	554	542	526	505	480	451	418	382	344	300	260	220	181	145	111	65.6
15	546	545	538	527	511	491	467	439	407	372	335	295	255	217	179	143	110	67.1
20	530	529	523	512	497	478	454	427	396	363	327	289	251	213	177	141	109	68.6
25	504	503	498	488	474	456	434	409	380	347	312	277	242	206	172	138	108	68.8
30	479	478	473	464	451	435	414	390	363	332	298	265	232	199	167	136	107	69.0
35	445	444	440	433	421	406	387	365	340	312	282	252	221	191	160	132	105	68.8
40	411	411	408	401	390	377	360	340	317	292	266	238	211	183	154	128	103	68.7
45	369	370	367	361	353	341	326	309	289	267	244	221	196	172	147	124	101	68.9
50	327	328	326	322	315	305	292	278	261	242	223	203	182	161	140	120	99.5	69.1
55	281	283	283	279	274	266	256	244	231	216	201	184	167	150	132	115	97.0	69.0
60	236	238	239	237	233	227	220	211	201	190	178	166	152	139	124	109	94.5	68.8
65	186	189	191	191	189	186	182	177	171	164	156	147	138	127	116	104	92.2	68.5
70	137	141	143	145	146	145	145	143	141	138	134	129	123	116	108	99.2	89.9	68.2
75	87.7	92.3	96.6	101	104	107	110	112	113	113	112	111	108	104	99.3	93.7	87.0	68.2
80	38.6	44.1	49.8	56.2	62.7	69.1	75.0	80.3	84.8	88.3	90.9	92.5	93.0	92.5	90.8	88.1	84.0	68.1
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:28.0DEG
Operators:QC1
Test Date:2024-11-23

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Humidity:83%
Test Distance:8.300m [K=1.0000]
Remarks: