

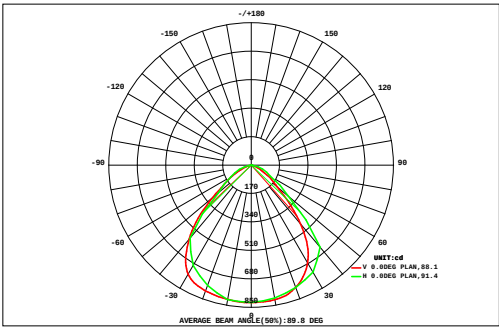
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)		467.8 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax	137.6V x 124.8H
	At 50% of Imax	91.4V x 88.1H
	At 90% of Imax	53.3V x 55.9H
Beam Flux	Total	998.9 lumens per klm.
	To 10% of Imax	971.9 lumens per klm.
	To 50% of Imax	762.4 lumens per klm.
	To 90% of Imax	343.2 lumens per klm.
Upward LOR		0.0 %
Downward LOR		99.9 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.6V I:0.1149A P:14.39W PF:1.000 Freq:50.00Hz Lamp Flux:1755.69x1 lm		
NAME: 8.02.038.0046 LLS-WZB-W40-L6-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120026
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:121.98lm/W	
MODEL LLS-WZB-W40-L6-DIM	Imax(cd)	821.3	
NOMINAL POWER(W)	14	AVAILABILITY(%)	97.3
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	1708
NOMINAL FLUX(lm)	1755.69	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	1756
TEST VOLTAGE(V)	220	θ @50%(H,V)	88,91DEG

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	0.00	0.00	0.00	0.00	0.01	0.20	0.58	0.95	1.22	1.39	1.28	0.82	0.46	0.15	0.01	0.00	0.00	0.00	7.07	0.19	
70	0.00	0.00	0.00	0.05	0.37	1.26	2.42	3.01	3.24	3.37	3.41	3.08	2.02	0.91	0.24	0.01	0.00	0.00	23.4	18.6	
60	0.00	0.00	0.01	0.38	1.47	3.10	4.42	5.27	5.82	5.96	5.93	5.37	4.14	2.39	0.94	0.12	0.00	0.00	45.3	42.8	
50	0.00	0.00	0.10	0.98	2.79	5.35	8.38	10.7	11.8	12.0	11.8	10.5	7.44	4.22	1.76	0.42	0.00	0.00	88.2	86.3	
40	0.00	0.00	0.30	1.52	4.27	8.72	14.3	18.4	19.9	19.9	19.2	17.1	11.9	6.32	2.61	0.71	0.02	0.00	145	144	
30	0.00	0.00	0.48	2.05	5.44	11.5	17.5	21.2	22.3	22.3	21.5	19.6	14.6	8.08	3.25	0.94	0.06	0.00	171	170	
VERTICAL (DEG)	0.00	0.00	0.60	2.34	6.22	13.1	19.2	22.9	24.1	24.0	23.2	21.1	16.3	9.22	3.58	1.08	0.09	0.00	187	186	
	0.00	0.01	0.65	2.43	6.69	14.1	20.1	23.7	25.0	24.9	23.9	21.8	17.2	9.91	3.70	1.15	0.11	0.00	195	194	
	0.00	0.01	0.65	2.42	6.73	14.1	19.9	23.4	24.7	24.7	23.6	21.5	17.0	9.89	3.67	1.14	0.11	0.00	194	192	
	0.00	0.01	0.61	2.35	6.37	13.3	19.3	22.9	24.1	24.0	23.1	21.1	16.3	9.15	3.47	1.06	0.09	0.00	187	186	
	0.00	0.01	0.55	2.20	5.84	12.2	18.2	22.0	23.1	23.0	22.2	20.0	14.6	7.82	3.08	0.88	0.04	0.00	176	174	
	0.00	0.00	0.37	1.73	4.79	9.86	15.8	19.9	21.2	21.1	20.4	18.0	12.4	6.37	2.57	0.68	0.01	0.00	155	154	
	0.00	0.00	0.16	1.11	3.29	6.51	10.6	13.9	15.0	15.2	14.8	12.8	8.48	4.37	1.76	0.39	0.00	0.00	108	107	
	0.00	0.00	0.02	0.52	1.67	3.19	4.34	5.09	5.62	5.87	6.09	5.46	4.07	2.41	0.91	0.11	0.00	0.00	45.4	42.8	
	0.00	0.00	0.00	0.09	0.51	1.42	2.21	2.55	2.73	2.79	2.73	2.54	1.88	0.87	0.24	0.00	0.00	0.00	20.5	11.7	
-80	0.00	0.00	0.00	0.00	0.01	0.17	0.72	1.07	1.24	1.34	1.30	0.94	0.37	0.08	0.00	0.00	0.00	0.00	7.21	0.00	
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.09	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	
-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)						20	30	40	50	60	70	80	90
Φ t	0.00	0.05	4.50	20.2	56.5	118	178	217	231	232	225	202	149	82.2	31.8	8.68	0.54	0.00	1756	---	
Φ a	0.00	0.00	0.08	15.3	53.7	116	175	213	227	228	221	199	147	79.8	28.8	3.89	0.00	0.00	---	1708	

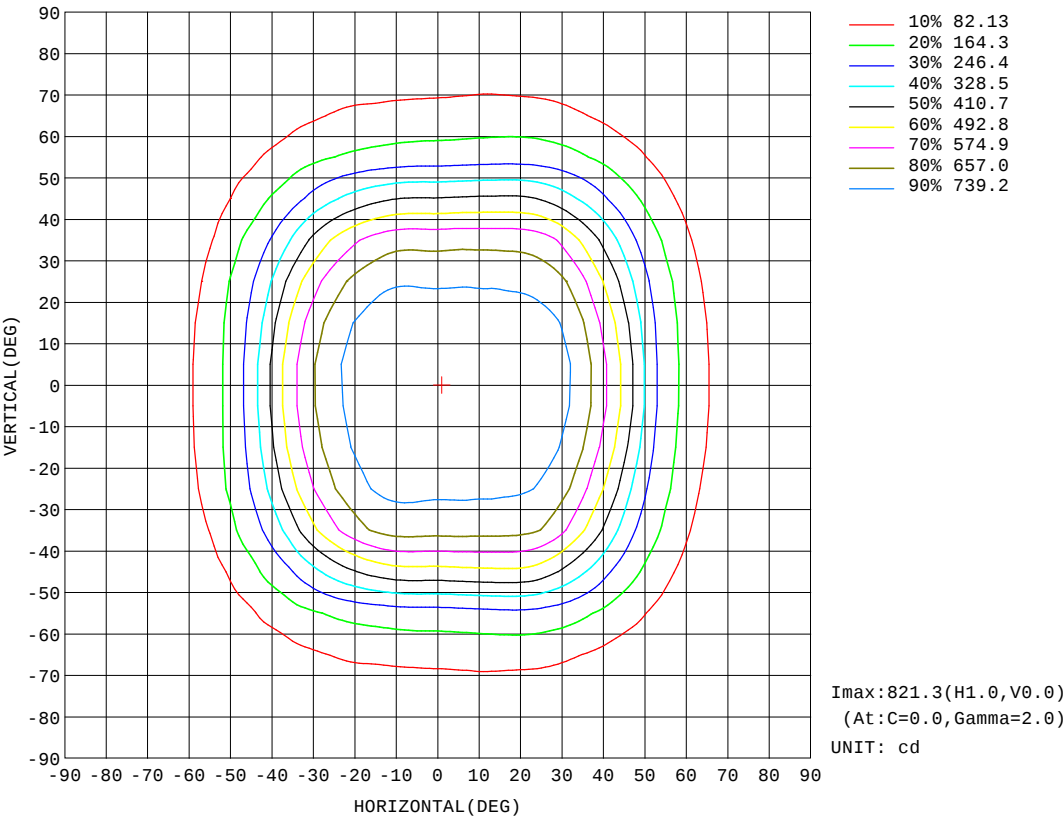
one-half-peak spread: U:46.4,D:45.2 , L:42.9,Beam Type: Type 6 x 7 (H x V)

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-12-04

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

ISOCANDELA DIAGRAM

Test:U:220.6V I:0.1149A P:14.39W PF:1.000 Freq:50.00Hz Lamp Flux:1755.69x1 lm		
NAME: 8.02.038.0046 LLS-WZB-W40-L6-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120026
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:

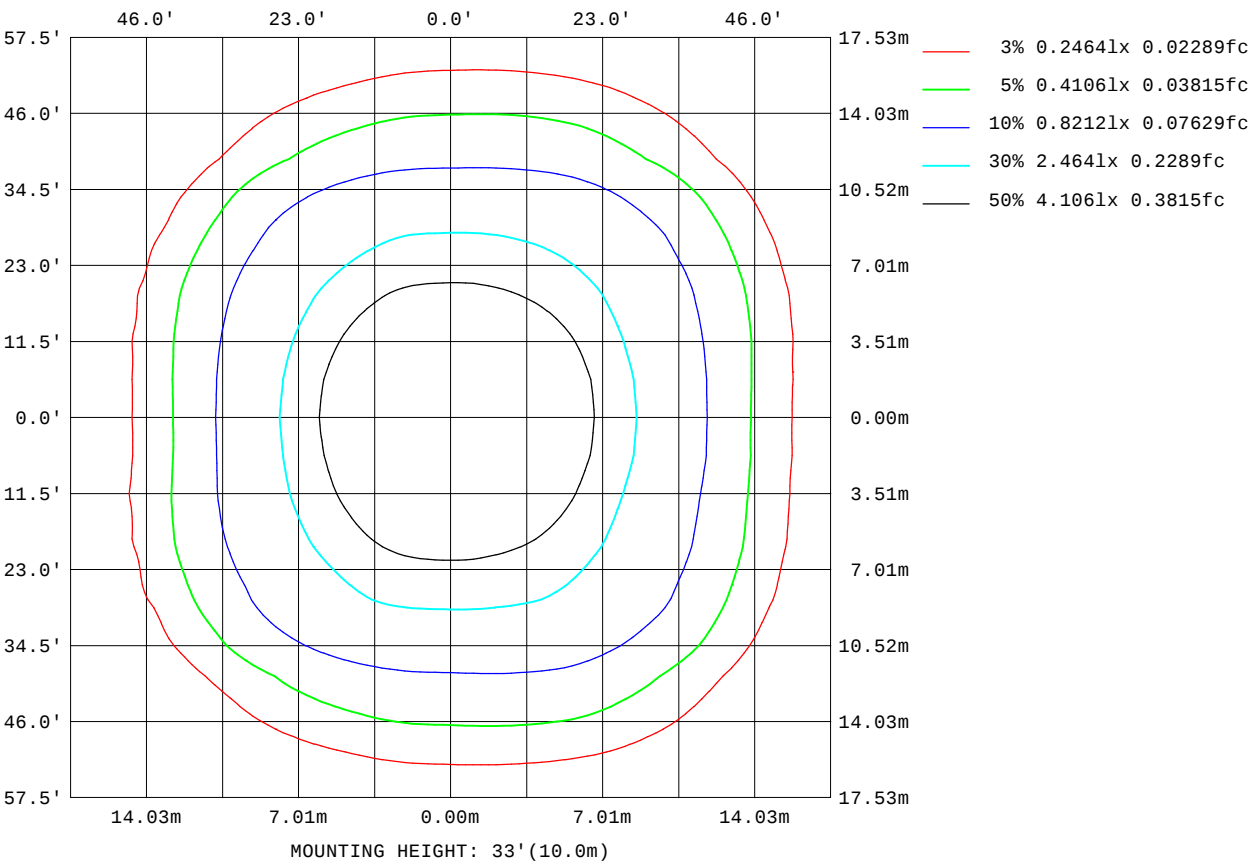


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-12-04

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

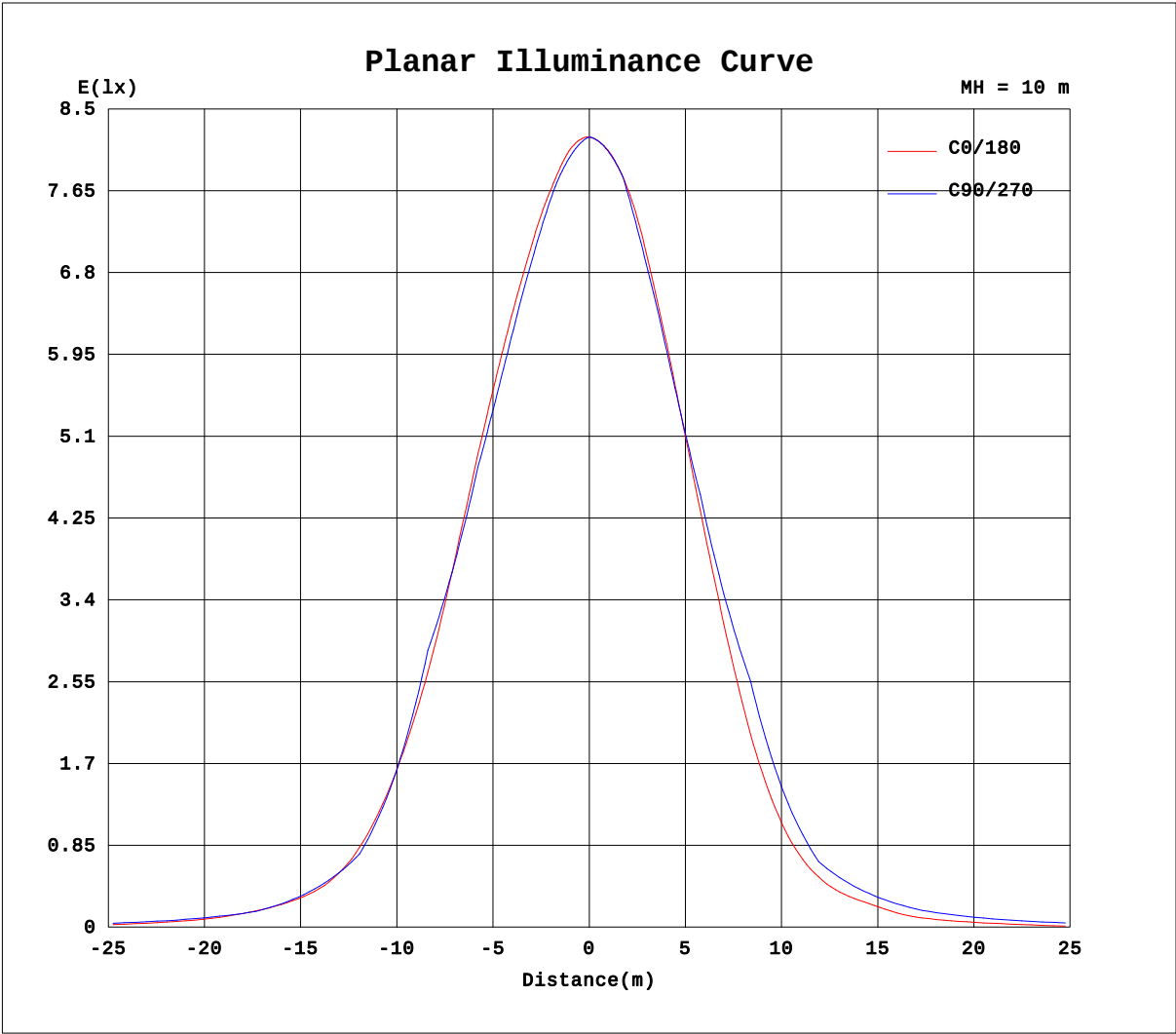
Test:U:220.6V I:0.1149A P:14.39W PF:1.000 Freq:50.00Hz Lamp Flux:1755.69x1 lm		
NAME: 8.02.038.0046 LLS-WZB-W40-L6-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120026
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:



H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-12-04

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

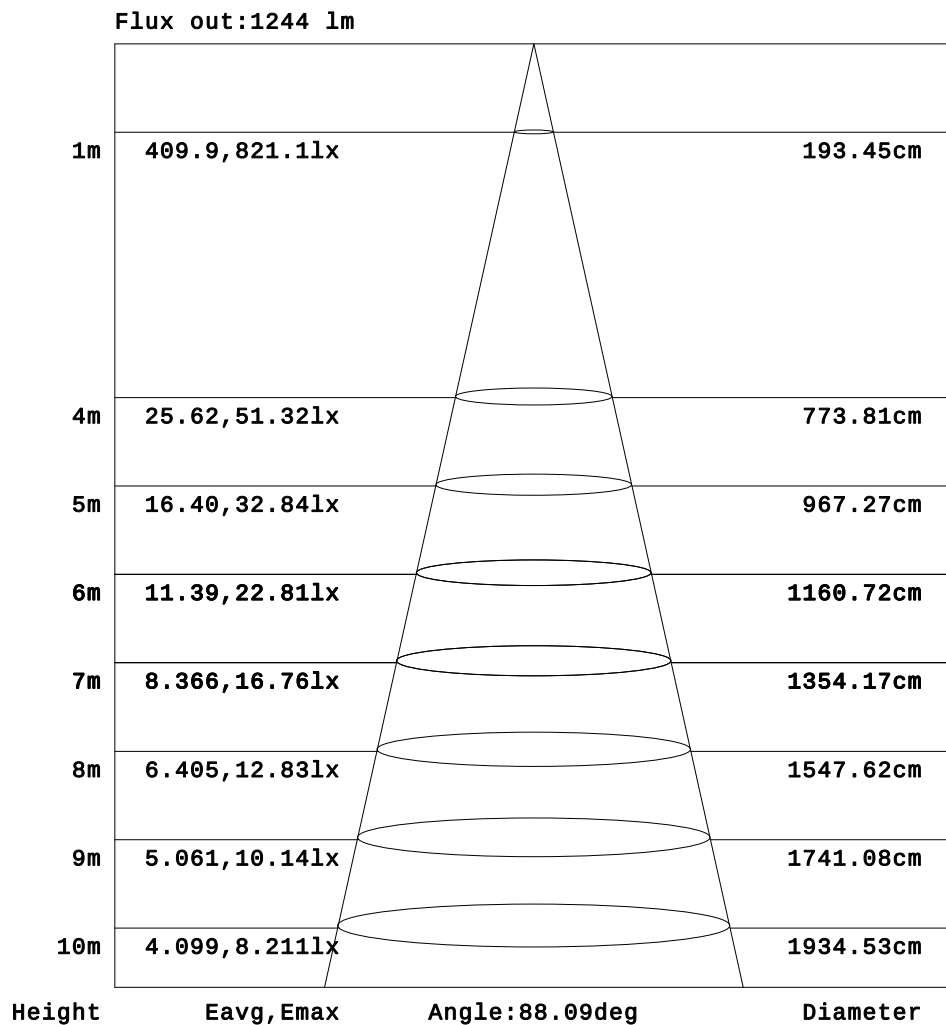


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-12-04

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:220.6V I:0.1149A P:14.39W PF:1.000 Freq:50.00Hz Lamp Flux:1755.69x1 lm		
NAME: 8.02.038.0046 LLS-WZB-W40-L6-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120026
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:2024-12-04

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:220.6V I:0.1149A P:14.39W PF:1.000 Freq:50.00Hz Lamp Flux:1755.69x1 lm		
NAME: 8.02.038.0046 LLS-WZB-W40-L6-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120026
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:

Table--1																	UNIT: cd		
H(DEC) V(DEC)	-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	0.00	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	3.92	14.9	12.3	12.9
-75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	4.25	10.1	17.8	26.5	32.4	34.3	41.1	41.0	41.9
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.97	10.5	23.1	38.8	56.1	65.7	67.7	68.3	70.3	71.7
-65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.23	13.4	22.7	36.7	56.8	72.6	85.4	94.3	96.6	98.9	101	103
-60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.0	29.8	49.4	69.7	99.1	112	119	125	127	131	134	134
-55	0.00	0.00	0.00	0.00	0.00	0.00	8.21	24.7	47.4	72.6	106	134	155	175	188	197	206	211	211
-50	0.00	0.00	0.00	0.00	0.00	0.02	22.6	47.8	72.5	112	152	181	208	236	255	271	284	289	290
-45	0.00	0.00	0.00	0.00	0.00	5.75	30.5	57.8	92.8	140	194	245	307	362	407	440	461	466	464
-40	0.00	0.00	0.00	0.00	0.00	18.3	50.9	78.5	136	189	253	337	431	509	574	620	642	642	640
-35	0.00	0.00	0.00	0.00	0.01	20.7	54.1	84.1	143	208	281	376	476	558	623	668	691	692	688
-30	0.00	0.00	0.00	0.00	2.62	37.1	68.9	109	180	252	344	458	557	636	695	729	743	740	737
-25	0.00	0.00	0.00	0.00	2.59	36.6	68.2	112	176	252	354	472	573	653	711	746	762	761	757
-20	0.00	0.00	0.00	0.00	12.1	50.1	79.4	142	198	289	412	530	623	695	743	773	782	780	777
-15	0.00	0.00	0.00	0.00	6.18	44.4	73.6	130	185	276	399	525	623	695	747	779	793	794	792
-10	0.00	0.00	0.00	0.00	14.5	52.0	81.4	143	202	308	440	563	656	719	764	794	805	807	806
-5	0.00	0.00	0.00	0.00	8.57	46.9	75.6	134	188	290	422	552	649	716	763	795	810	813	813
0	0.00	0.00	0.00	0.00	17.7	54.2	84.1	145	206	322	460	585	674	735	777	805	816	819	821
5	0.00	0.00	0.00	0.00	8.55	46.8	75.5	134	189	290	422	551	651	720	768	800	815	818	818
10	0.00	0.00	0.00	0.00	14.6	51.8	81.1	144	204	307	439	563	660	728	774	804	815	817	816
15	0.00	0.00	0.00	0.00	5.08	42.4	71.6	126	183	270	390	515	615	690	743	776	791	792	790
20	0.00	0.00	0.00	0.00	9.15	46.3	75.3	136	191	276	394	510	604	675	726	758	769	766	765
25	0.00	0.00	0.00	0.00	1.50	32.9	63.6	104	168	237	333	447	543	622	678	713	731	731	728
30	0.00	0.00	0.00	0.00	1.11	33.3	63.5	98.6	168	232	317	426	517	593	646	680	695	693	693
35	0.00	0.00	0.00	0.00	0.01	17.4	49.2	76.8	132	189	254	340	430	504	563	604	629	633	630
40	0.00	0.00	0.00	0.00	0.00	14.7	45.8	70.9	119	168	222	291	375	443	499	541	567	571	570
45	0.00	0.00	0.00	0.00	0.00	4.28	26.4	51.9	82.2	125	171	216	271	319	358	388	408	415	414
50	0.00	0.00	0.00	0.00	0.00	0.00	18.7	42.3	64.5	99.1	136	163	188	213	230	244	254	258	259
55	0.00	0.00	0.00	0.00	0.00	0.00	6.26	21.1	41.9	64.8	96.4	123	145	164	176	186	194	199	200
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.24	26.3	44.7	65.9	94.9	110	120	127	131	136	141	142
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.13	11.7	20.3	34.5	54.9	72.4	87.4	97.8	101	104	107	109
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	10.3	23.5	41.2	59.6	70.3	72.5	73.2	75.1	77.1
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.05	10.2	18.8	28.1	34.7	37.6	44.1	44.3	45.3
80	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	5.91	15.5	13.7	14.5
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:28.0DEG
Operators:QC1
Test Date:2024-12-04

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:220.6V I:0.1149A P:14.39W PF:1.000 Freq:50.00Hz Lamp Flux:1755.69x1 lm		
NAME: 8.02.038.0046 LLS-WZB-W40-L6-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120026
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:

Table--2																		UNIT: cd	
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	17.3	22.1	8.50	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	
-75	44.5	48.3	43.8	38.6	35.4	28.3	20.3	13.2	6.93	1.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-70	73.3	74.7	76.3	76.4	68.6	53.2	37.9	23.6	11.2	1.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
-65	104	105	107	108	105	95.4	81.3	64.5	44.1	28.6	16.4	4.34	0.00	0.00	0.00	0.00	0.00	0.00	
-60	136	137	138	138	138	132	119	96.6	69.7	50.1	28.6	4.75	0.00	0.00	0.00	0.00	0.00	0.00	
-55	216	221	226	228	218	203	178	150	117	84.6	54.5	28.8	8.02	0.00	0.00	0.00	0.00	0.00	
-50	297	307	315	315	293	265	227	189	153	105	70.7	42.7	9.33	0.00	0.00	0.00	0.00	0.00	
-45	469	474	477	475	450	399	338	272	207	152	101	63.0	30.1	3.03	0.00	0.00	0.00	0.00	
-40	643	642	640	629	590	509	425	325	238	177	112	70.6	36.8	1.64	0.00	0.00	0.00	0.00	
-35	691	689	687	681	655	592	500	404	297	213	148	90.6	53.9	15.5	0.00	0.00	0.00	0.00	
-30	739	735	733	726	702	639	539	440	316	222	158	93.9	56.8	16.0	0.00	0.00	0.00	0.00	
-25	758	756	754	749	731	685	596	492	372	256	179	115	69.0	30.9	0.16	0.00	0.00	0.00	
-20	778	776	773	767	748	701	611	501	375	253	177	113	66.9	28.3	0.00	0.00	0.00	0.00	
-15	791	789	787	780	766	733	660	554	433	296	196	134	80.0	42.8	2.70	0.00	0.00	0.00	
-10	805	801	797	790	775	742	669	561	436	289	189	131	77.7	40.6	0.94	0.00	0.00	0.00	
-5	813	808	804	796	783	757	694	592	470	323	205	143	86.1	49.0	5.30	0.00	0.00	0.00	
0	820	813	808	799	785	753	684	578	449	300	192	132	78.5	41.6	1.05	0.00	0.00	0.00	
5	818	813	809	801	788	761	696	592	471	324	206	143	85.9	48.7	5.16	0.00	0.00	0.00	
10	814	810	806	799	785	749	673	561	436	291	191	131	77.2	40.0	0.80	0.00	0.00	0.00	
15	790	788	786	780	766	735	663	556	439	303	201	138	81.4	44.4	3.09	0.00	0.00	0.00	
20	766	765	763	757	739	697	614	506	388	266	184	119	69.9	32.3	0.01	0.00	0.00	0.00	
25	730	729	728	724	710	671	590	490	379	266	185	121	71.8	35.0	0.69	0.00	0.00	0.00	
30	696	693	690	688	670	618	527	434	321	228	162	97.3	59.6	20.6	0.00	0.00	0.00	0.00	
35	635	634	632	629	610	558	477	391	296	215	151	93.6	56.6	19.4	0.00	0.00	0.00	0.00	
40	575	575	573	567	535	468	394	311	234	174	115	72.0	40.1	3.81	0.00	0.00	0.00	0.00	
45	418	422	424	422	404	364	313	258	200	150	102	64.3	33.6	4.81	0.00	0.00	0.00	0.00	
50	264	271	275	273	259	239	212	180	146	105	70.5	44.5	13.2	0.00	0.00	0.00	0.00	0.00	
55	203	208	210	210	203	190	171	145	114	84.6	55.0	30.9	10.1	0.00	0.00	0.00	0.00	0.00	
60	144	146	147	145	142	135	120	98.7	71.4	50.7	30.1	7.24	0.00	0.00	0.00	0.00	0.00	0.00	
65	112	113	115	116	112	101	85.9	68.2	47.3	30.3	17.1	5.82	0.00	0.00	0.00	0.00	0.00	0.00	
70	79.6	81.8	84.2	85.4	78.0	62.3	45.1	29.6	15.9	4.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
75	48.4	52.4	49.6	44.1	40.1	33.0	24.2	16.3	9.29	2.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
80	19.0	24.0	12.2	0.79	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	
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:2024-12-04

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: