

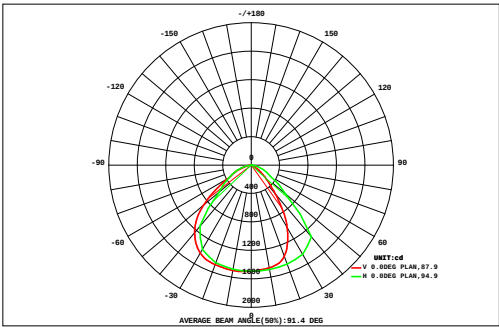
Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)		436.7 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax	146.5V x 125.7H
	At 50% of Imax	94.9V x 87.9H
	At 90% of Imax	70.6V x 55.1H
Beam Flux	Total	998.8 lumens per klm.
	To 10% of Imax	975.4 lumens per klm.
	To 50% of Imax	759.8 lumens per klm.
	To 90% of Imax	413.1 lumens per klm.
Upward LOR		0.0 %
Downward LOR		99.9 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:221.5V I:0.2175A P:29.28W PF:1.000 Freq:50.00Hz Lamp Flux:3448.07x1 lm		
NAME: 8.02.038.0047 LLS-WZB-W40-L12-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120028
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:



DATA OF LAMP		Eff:117.78lm/W	
MODELLS-WZB-W40-L12-DIM	Imax(cd)	1506	
NOMINAL POWER(W)	29	AVAILABILITY(%)	97.8
RATED VOLTAGE(V)	220	Avai. FLUX(lm)	3372
NOMINAL FLUX(lm)	3448.07	LOR(%)	100.0
LAMPS INSIDE	1	TOTAL FLUX(lm)	3448
TEST VOLTAGE(V)	220	θ @50%(H,V)	88,95DEG

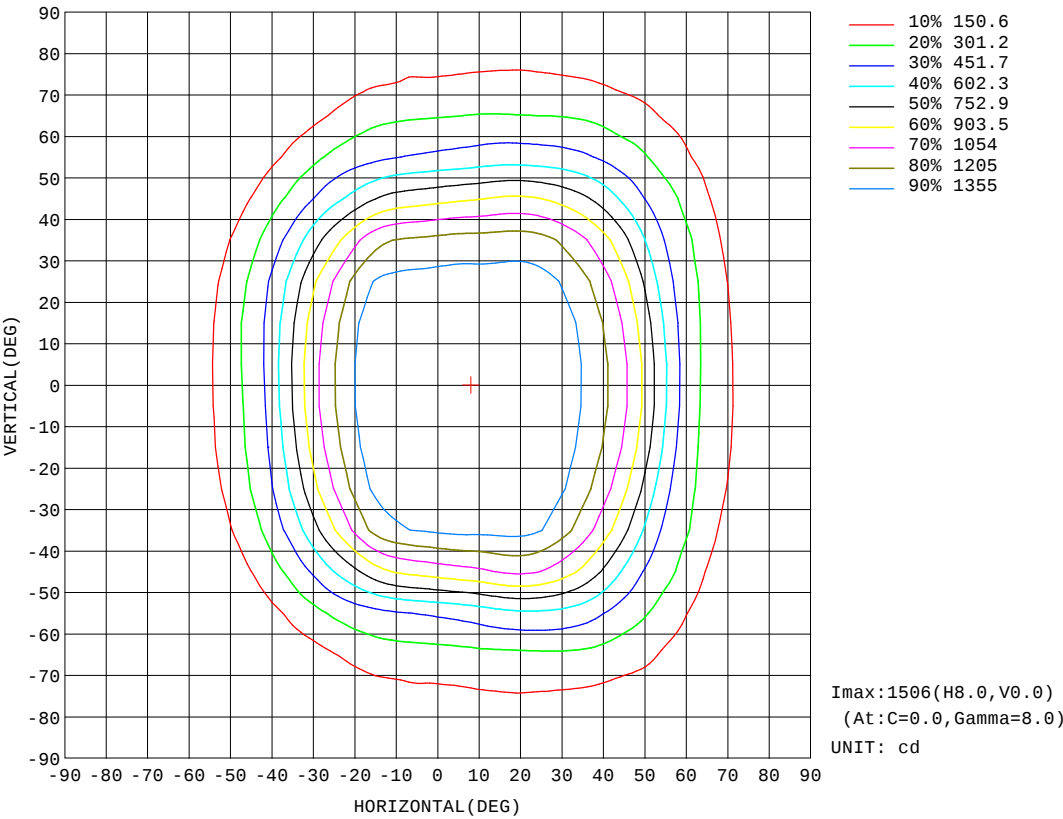
AREA FLUX DIAGRAM																		UNIT:lm	Φ t	Φ a
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.19	0.93	2.41	4.10	4.59	5.07	4.37	3.18	1.92	0.98	0.35	0.04	0.00	28.1	15.4
70	0.00	0.00	0.00	0.00	0.27	1.54	4.27	7.63	8.60	9.03	8.93	8.36	7.07	4.66	2.40	0.93	0.15	0.00	63.8	58.0
60	0.00	0.00	0.00	0.10	1.44	4.68	9.17	12.0	13.8	14.6	14.9	13.6	11.4	7.97	4.17	1.56	0.34	0.01	110	106
50	0.00	0.00	0.00	0.58	3.41	8.56	14.8	20.8	24.0	25.4	26.1	24.2	19.1	12.1	6.31	2.20	0.54	0.01	188	185
40	0.00	0.00	0.03	1.44	5.50	13.1	23.6	34.1	38.2	39.3	38.5	35.2	27.3	17.2	7.97	2.96	0.68	0.03	285	283
30	0.00	0.00	0.10	2.13	7.33	17.0	30.0	40.4	43.3	43.7	42.3	39.1	31.4	20.5	9.37	3.40	0.78	0.04	331	329
20	0.00	0.00	0.20	2.50	8.10	18.8	32.2	42.0	44.7	45.0	43.6	40.3	33.1	22.3	10.4	3.59	0.84	0.04	348	346
10	0.00	0.00	0.25	2.59	8.02	19.3	33.0	42.1	44.9	45.5	44.0	40.6	33.6	23.3	11.1	3.65	0.89	0.05	353	350
0	0.00	0.00	0.25	2.55	7.72	19.2	33.0	42.0	44.8	45.4	44.0	40.5	33.5	23.3	11.0	3.60	0.89	0.05	352	350
-10	0.00	0.00	0.19	2.36	7.36	18.0	31.7	41.6	44.7	45.1	43.7	40.3	32.9	22.3	10.3	3.49	0.85	0.04	345	343
-20	0.00	0.00	0.10	1.99	6.79	16.3	29.4	40.4	44.1	44.5	43.1	39.6	31.4	20.2	8.94	3.27	0.71	0.02	331	329
-30	0.00	0.00	0.02	1.34	5.40	13.3	25.1	36.9	41.6	42.6	41.4	37.6	28.5	17.2	7.58	2.81	0.54	0.02	302	300
-40	0.00	0.00	0.00	0.58	3.38	9.04	17.1	26.0	30.7	32.4	32.9	30.0	22.2	12.7	6.07	2.03	0.45	0.01	226	223
-50	0.00	0.00	0.00	0.06	1.48	4.56	8.27	10.6	12.4	13.7	15.7	15.7	12.9	8.10	4.27	1.34	0.31	0.00	109	105
-60	0.00	0.00	0.00	0.00	0.21	1.42	3.85	6.03	6.67	6.90	6.80	6.50	6.04	4.67	2.25	0.84	0.13	0.00	52.3	45.7
-70	0.00	0.00	0.00	0.00	0.00	0.08	0.65	2.33	3.20	3.56	3.92	3.72	2.99	1.73	0.87	0.30	0.02	0.00	23.4	6.93
-80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.23	0.36	0.72	0.46	0.17	0.10	0.04	0.01	0.00	0.00	2.10	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
Φ t	0.00	0.00	1.15	18.2	66.4	165	297	407	450	462	456	420	337	220	104	36.3	8.17	0.31	3448	---
Φ a	0.00	0.00	0.00	7.49	60.4	160	292	404	445	457	451	416	333	216	98.9	29.1	0.57	0.00	---	3372

one-half-peak spread: U:48.2,D:46.9 , L:43.6, ~~REMARK~~ Beam Type: Type 6 x 7 (H x V)

H(β) Range:-90 - 90DEG	V(B) Range:-80 - 80DEG
H(β) Interval: 1.0DEG	V(B) Interval: 5.0DEG
Test Speed: HIGH	Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.354
Temperature:28.0DEG	Humidity:83%
Operators:QC1	Test Distance:8.300m [K=1.0000]
Test Date:2024-12-04	Remarks:

ISOCANDELA DIAGRAM

Test:U:221.5V I:0.2175A P:29.28W PF:1.000 Freq:50.00Hz Lamp Flux:3448.07x1 lm		
NAME: 8.02.038.0047 LLS-WZB-W40-L12-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120028
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:

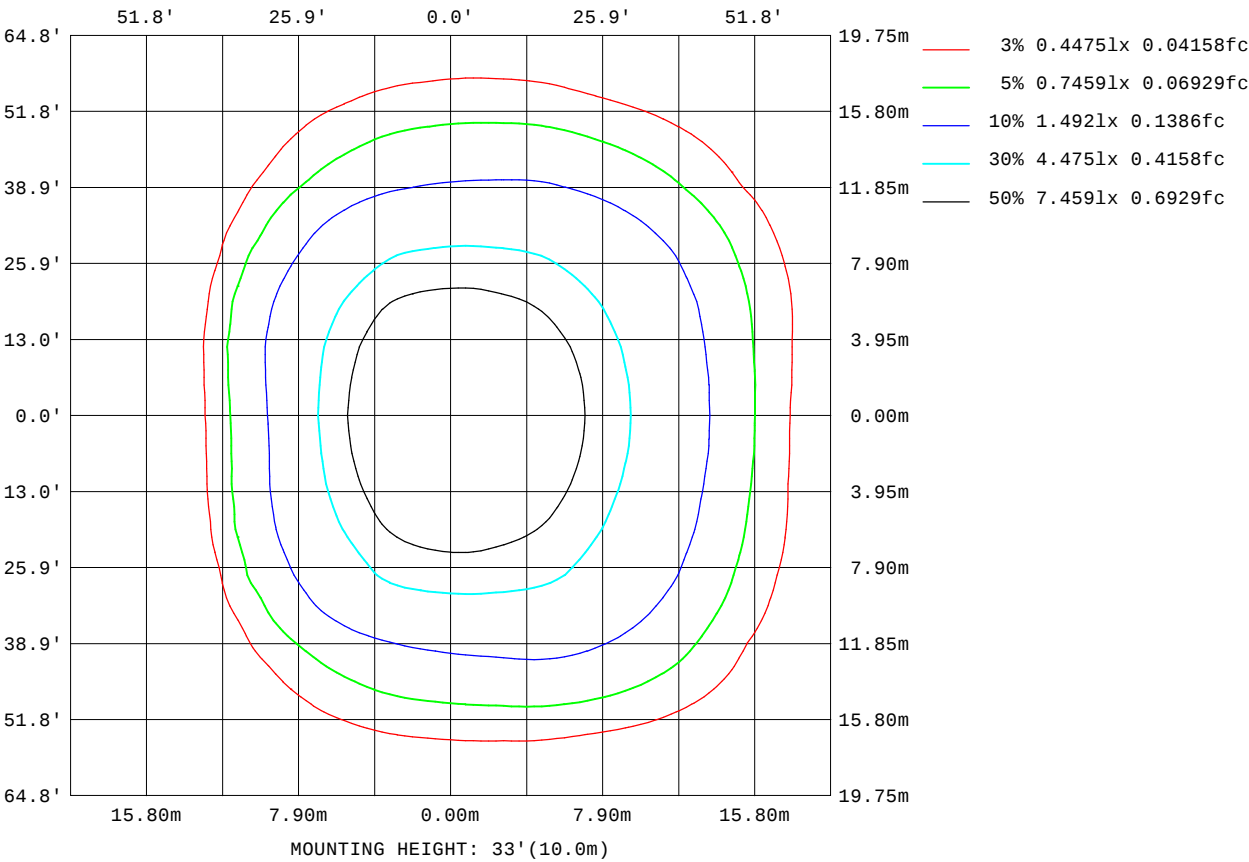


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-12-04

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

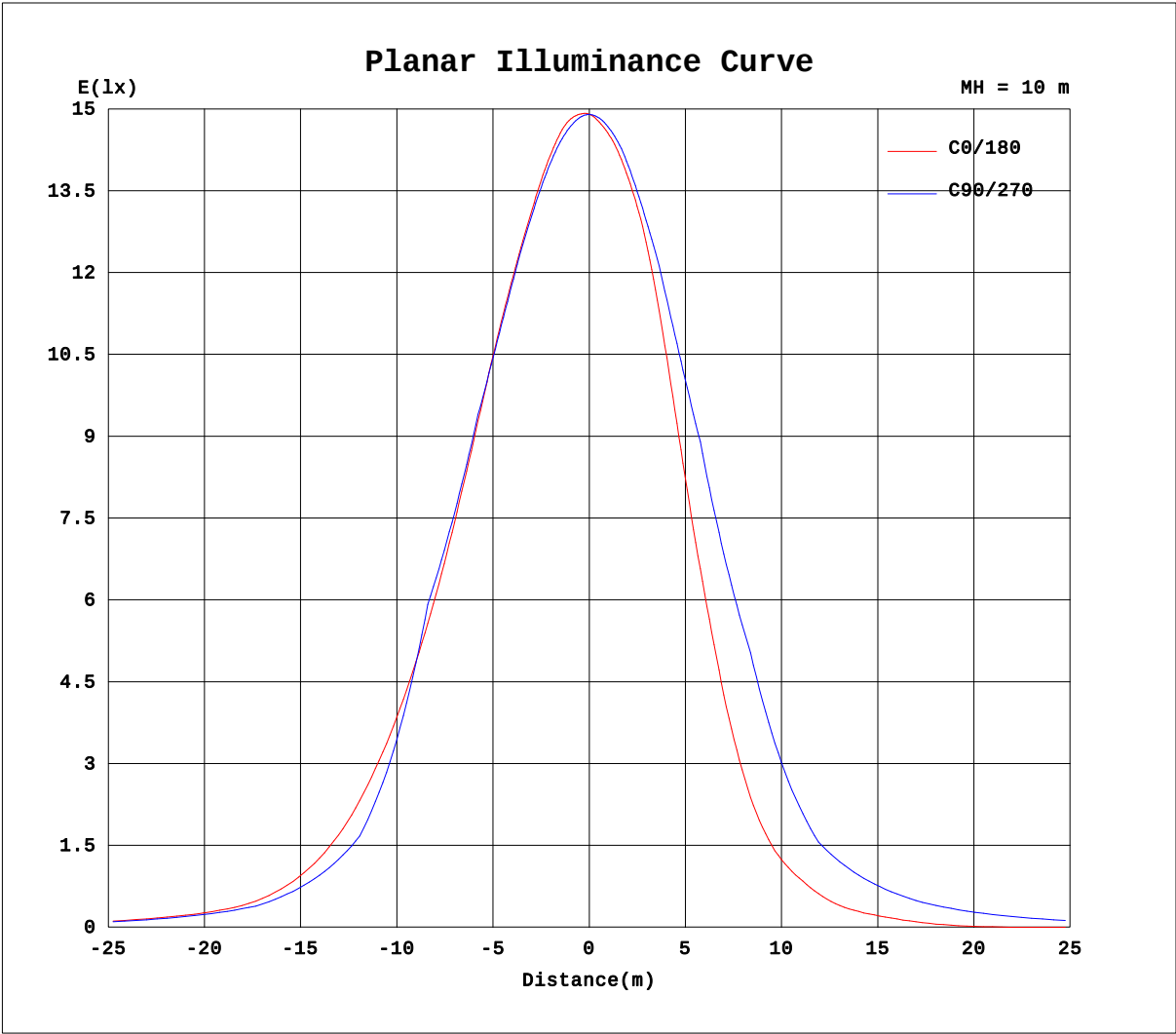
Test:U:221.5V I:0.2175A P:29.28W PF:1.000 Freq:50.00Hz Lamp Flux:3448.07x1 lm		
NAME: 8.02.038.0047 LLS-WZB-W40-L12-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120028
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:



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

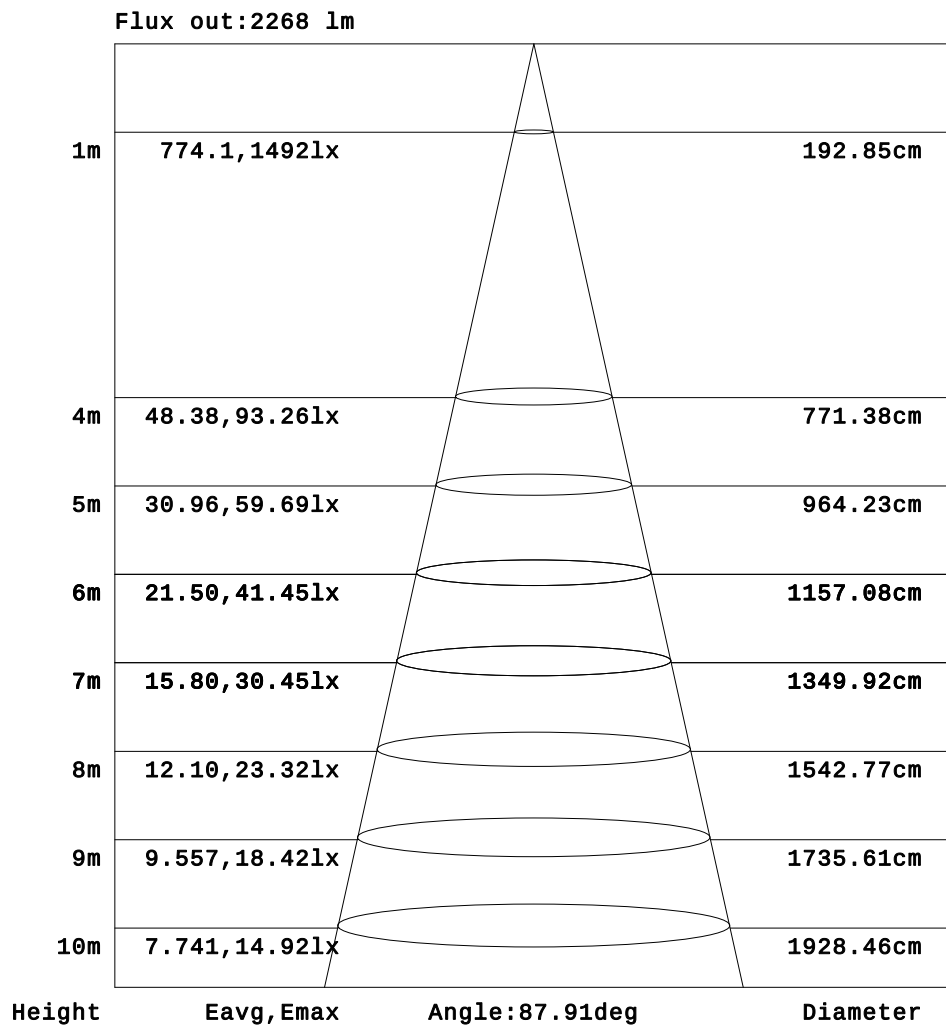


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:28.0DEG
Operators:QC1
Test Date:2024-12-04

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:221.5V I:0.2175A P:29.28W PF:1.000 Freq:50.00Hz Lamp Flux:3448.07x1 lm		
NAME: 8.02.038.0047 LLS-WZB-W40-L12-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120028
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:221.5V I:0.2175A P:29.28W PF:1.000 Freq:50.00Hz Lamp Flux:3448.07x1 lm		
NAME: 8.02.038.0047 LLS-WZB-W40-L12-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120028
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	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	2.14	5.09	7.64	20.1	51.1	47.3
-75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.43	7.27	15.5	32.7	56.9	81.7	93.6	111	111
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.86	14.5	31.0	63.2	109	156	167	171	175
-65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.14	11.6	35.1	62.1	97.4	145	189	222	234	240	245
-60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.29	23.1	67.4	110	164	226	269	288	301	309	315
-55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.66	24.1	67.8	118	186	256	324	373	407	439	457	474
-50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.31	43.9	113	169	263	349	421	477	526	577	604	632
-45	0.00	0.00	0.00	0.00	0.00	0.00	1.83	24.5	83.6	150	244	351	472	603	722	839	915	948	975
-40	0.00	0.00	0.00	0.00	0.00	0.00	3.66	43.6	123	187	320	438	594	785	967	1152	1252	1292	1318
-35	0.00	0.00	0.00	0.00	0.00	0.00	12.9	69.1	145	236	369	515	699	895	1084	1253	1332	1362	1383
-30	0.00	0.00	0.00	0.00	0.00	0.01	22.1	94.6	167	284	418	591	803	1004	1200	1353	1411	1433	1447
-25	0.00	0.00	0.00	0.00	0.00	1.48	35.0	111	184	308	447	637	859	1059	1249	1384	1434	1452	1464
-20	0.00	0.00	0.00	0.00	0.00	2.96	47.9	128	201	332	475	682	916	1113	1298	1415	1456	1472	1481
-15	0.00	0.00	0.00	0.00	0.00	5.18	55.5	133	212	334	489	709	947	1146	1321	1425	1460	1475	1485
-10	0.00	0.00	0.00	0.00	0.00	7.41	63.1	137	223	337	504	736	978	1179	1344	1435	1465	1477	1488
-5	0.00	0.00	0.00	0.00	0.00	9.28	67.2	140	228	344	517	756	995	1194	1353	1438	1465	1478	1489
0	0.00	0.00	0.00	0.00	0.00	11.2	71.3	142	234	351	530	776	1012	1209	1362	1441	1466	1478	1491
5	0.00	0.00	0.00	0.00	0.00	9.61	68.2	142	234	357	531	765	999	1195	1355	1439	1466	1477	1489
10	0.00	0.00	0.00	0.00	0.00	8.07	65.1	142	234	363	532	754	986	1181	1347	1438	1465	1476	1488
15	0.00	0.00	0.00	0.00	0.00	5.97	58.6	139	225	364	524	736	965	1157	1331	1429	1457	1466	1475
20	0.00	0.00	0.00	0.00	0.00	3.87	52.1	135	215	366	516	718	943	1132	1314	1420	1448	1455	1461
25	0.00	0.00	0.00	0.00	0.00	1.94	38.5	120	195	334	478	663	879	1064	1247	1364	1398	1408	1416
30	0.00	0.00	0.00	0.00	0.00	0.02	25.0	105	176	302	439	608	814	997	1179	1309	1349	1361	1371
35	0.00	0.00	0.00	0.00	0.00	0.01	15.5	77.2	153	247	378	517	686	852	1015	1151	1208	1228	1246
40	0.00	0.00	0.00	0.00	0.00	0.00	6.09	49.2	130	192	318	427	558	706	850	992	1068	1095	1120
45	0.00	0.00	0.00	0.00	0.00	0.00	3.05	28.6	90.1	153	244	345	450	557	654	748	807	832	855
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.92	50.0	114	171	262	341	407	458	504	546	570	589
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.96	27.7	70.9	122	191	263	332	380	414	446	464	479
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.30	27.6	72.6	119	186	257	302	324	347	359	369
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.65	13.8	38.9	69.1	112	167	220	259	275	285	292
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.29	19.5	38.9	76.5	138	195	204	210	215
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.65	9.74	19.5	40.4	72.5	103	119	141	142
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	4.21	6.91	11.2	33.5	71.3	68.2
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(β) Range:-80 - 80DEG
V(β) 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:221.5V I:0.2175A P:29.28W PF:1.000 Freq:50.00Hz Lamp Flux:3448.07x1 lm		
NAME: 8.02.038.0047 LLS-WZB-W40-L12-DIM	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:2024120028
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	Shielding Angle:

Table--2

UNIT: cd

H(°)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
V(°)	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	53.7	66.9	80.2	81.7	66.4	54.3	44.8	37.3	31.2	26.6	15.8	10.1	6.73	0.72	0.00	0.00	0.00	0.00
-75	118	129	137	141	136	128	121	105	84.5	71.0	50.4	36.8	23.6	10.5	2.51	0.00	0.00	0.00
-70	182	192	194	201	205	202	197	173	138	115	84.9	63.5	40.4	20.3	5.01	0.00	0.00	0.00
-65	252	263	267	271	275	277	270	249	218	185	127	88.0	63.0	37.2	13.8	0.95	0.00	0.00
-60	323	334	340	340	346	351	343	325	299	255	169	113	85.6	54.0	22.5	1.89	0.00	0.00
-55	493	522	556	576	577	559	520	455	379	314	238	155	101	69.4	34.0	6.48	0.00	0.00
-50	663	709	773	812	808	768	697	585	460	373	308	197	117	84.8	45.5	11.1	0.00	0.00
-45	1001	1025	1063	1082	1050	975	871	734	578	440	344	248	143	90.2	53.1	15.1	0.00	0.00
-40	1339	1341	1354	1351	1292	1182	1046	882	697	507	381	299	169	95.6	60.7	19.0	0.00	0.00
-35	1397	1395	1402	1402	1358	1262	1132	972	788	584	418	315	206	112	65.4	22.6	0.00	0.00
-30	1455	1449	1450	1453	1425	1342	1218	1063	879	662	456	332	243	129	70.1	26.1	0.00	0.00
-25	1468	1463	1464	1465	1441	1370	1258	1114	934	715	493	341	253	145	84.4	28.5	0.00	0.00
-20	1482	1477	1478	1477	1458	1398	1298	1166	989	769	530	351	263	160	98.7	30.9	0.00	0.00
-15	1488	1486	1485	1482	1465	1411	1319	1196	1031	812	566	364	266	166	102	40.1	0.00	0.00
-10	1495	1496	1493	1487	1472	1424	1341	1225	1072	855	603	377	269	173	106	49.4	0.00	0.00
-5	1498	1500	1495	1488	1472	1427	1346	1233	1081	867	614	383	272	175	106	49.4	1.55	0.00
0	1501	1504	1497	1488	1473	1430	1351	1240	1091	878	624	388	275	177	106	49.4	3.10	0.00
5	1498	1499	1494	1487	1473	1429	1348	1233	1080	866	615	388	275	175	105	49.0	3.10	0.00
10	1494	1495	1491	1485	1472	1427	1344	1226	1069	855	606	389	275	172	105	48.6	3.09	0.00
15	1479	1477	1476	1474	1460	1410	1322	1199	1035	820	577	379	274	166	102	45.5	2.56	0.00
20	1464	1460	1461	1463	1448	1392	1299	1173	1002	785	548	370	272	159	99.9	42.3	2.03	0.00
25	1423	1420	1422	1425	1406	1344	1245	1115	946	734	516	360	261	149	96.1	38.9	1.73	0.00
30	1382	1380	1382	1387	1364	1296	1191	1056	890	684	484	350	249	139	92.2	35.4	1.42	0.00
35	1262	1266	1276	1281	1252	1180	1078	951	791	604	443	330	218	128	82.6	29.9	0.72	0.00
40	1143	1151	1169	1175	1139	1064	965	845	692	524	402	310	186	116	73.0	24.4	0.02	0.00
45	876	894	919	927	902	851	782	688	569	449	357	260	160	107	62.1	19.6	0.01	0.00
50	610	637	668	679	664	639	600	530	445	374	312	209	134	98.0	51.1	14.7	0.00	0.00
55	493	510	526	525	515	500	473	427	369	312	242	168	116	79.1	38.4	9.57	0.00	0.00
60	376	383	384	372	365	361	347	323	294	250	172	126	98.3	60.1	25.6	4.42	0.00	0.00
65	299	306	307	303	300	295	282	255	220	184	134	100	72.2	41.9	16.7	2.24	0.00	0.00
70	221	230	230	234	236	229	217	186	146	117	95.6	74.5	46.1	23.7	7.76	0.06	0.00	0.00
75	150	159	165	167	157	147	135	116	91.7	74.3	58.7	44.9	28.0	13.7	3.88	0.03	0.00	0.00
80	78.3	89.0	100	101	78.8	64.1	53.5	45.2	37.8	31.5	21.8	15.4	9.95	3.79	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: