

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity (Luminaire orientation as tested.)	996.4 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
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Beam Spread	At 10% of Imax	93.5V x 96.2H
	At 50% of Imax	53.7V x 60.0H
	At 90% of Imax	26.0V x 35.7H

Beam Flux	Total	999.9 lumens per klm.
	To 10% of Imax	922.2 lumens per klm.
	To 50% of Imax	614.7 lumens per klm.
	To 90% of Imax	214.5 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

Luminaire Efficiency(Light Output Ratio)	100.0 %
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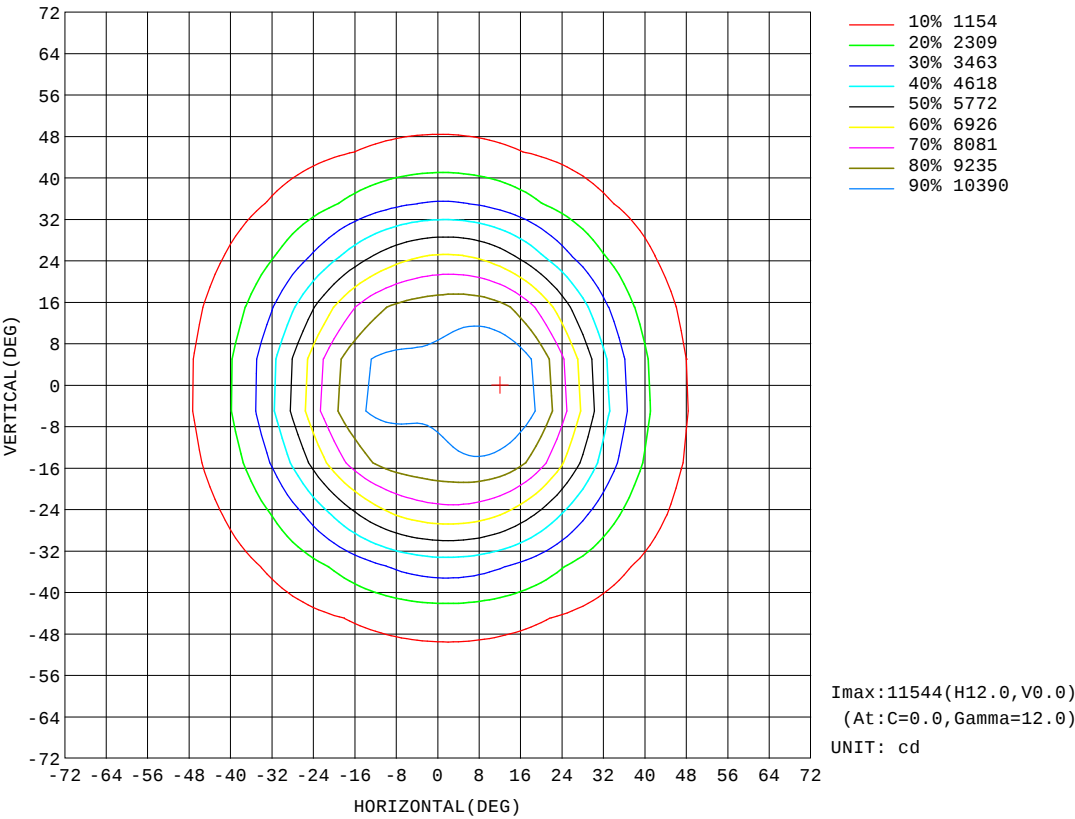
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:27.9DEG
Operators:QC1
Test Date:2024-04-22

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:71%
Test Distance:8.300m [K=1.0000]
Remarks:

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:71%
Test Distance:8.300m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.2V I:1.053A P:227.2W PF:0.9797 Lamp Flux:11585.8x1 lm		
NAME: 8.03.006.0120 60°SP-F620A-72P-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:202404000049
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

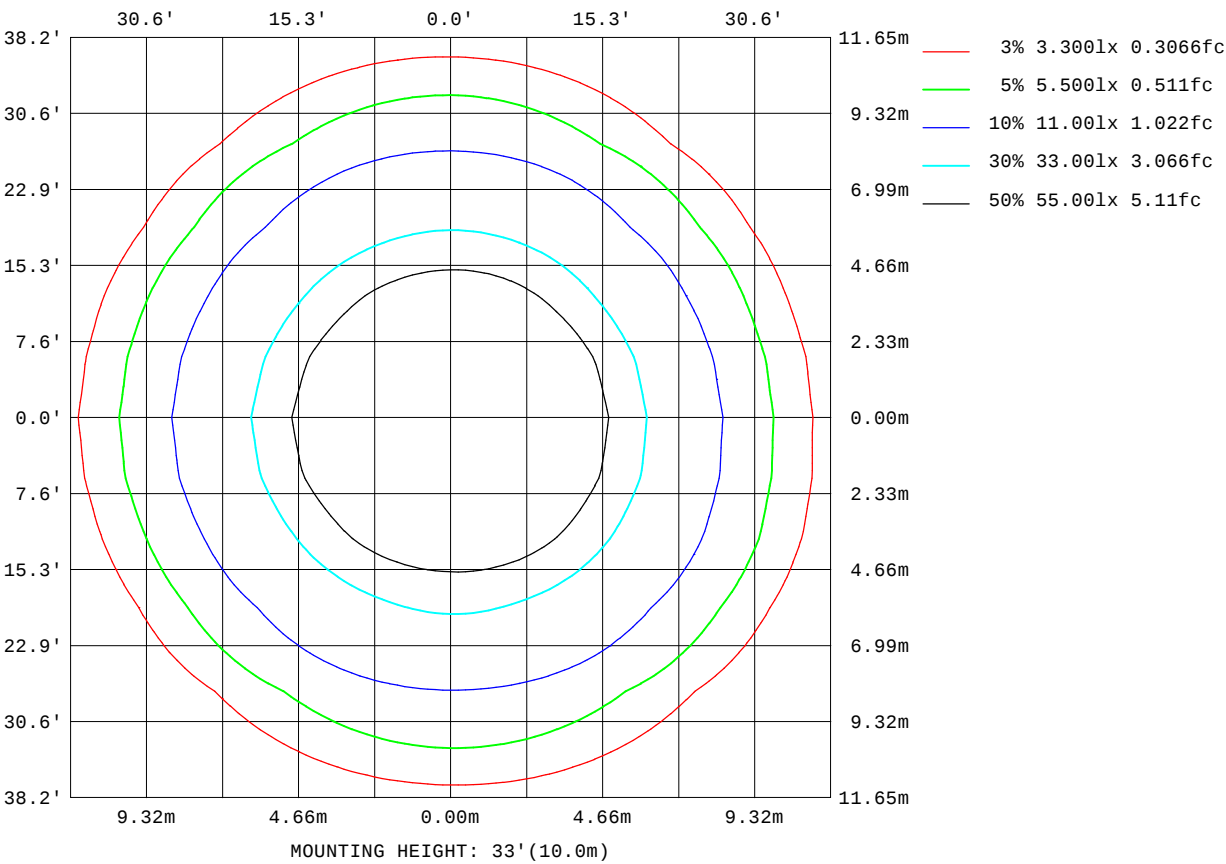


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H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:27.9DEG
Operators:QC1
Test Date:2024-04-22

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:71%
Test Distance:8.300m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:220.2V I:1.053A P:227.2W PF:0.9797 Lamp Flux:11585.8x1 lm		
NAME: 8.03.006.0120 60°SP-F620A-72P-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:202404000049
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

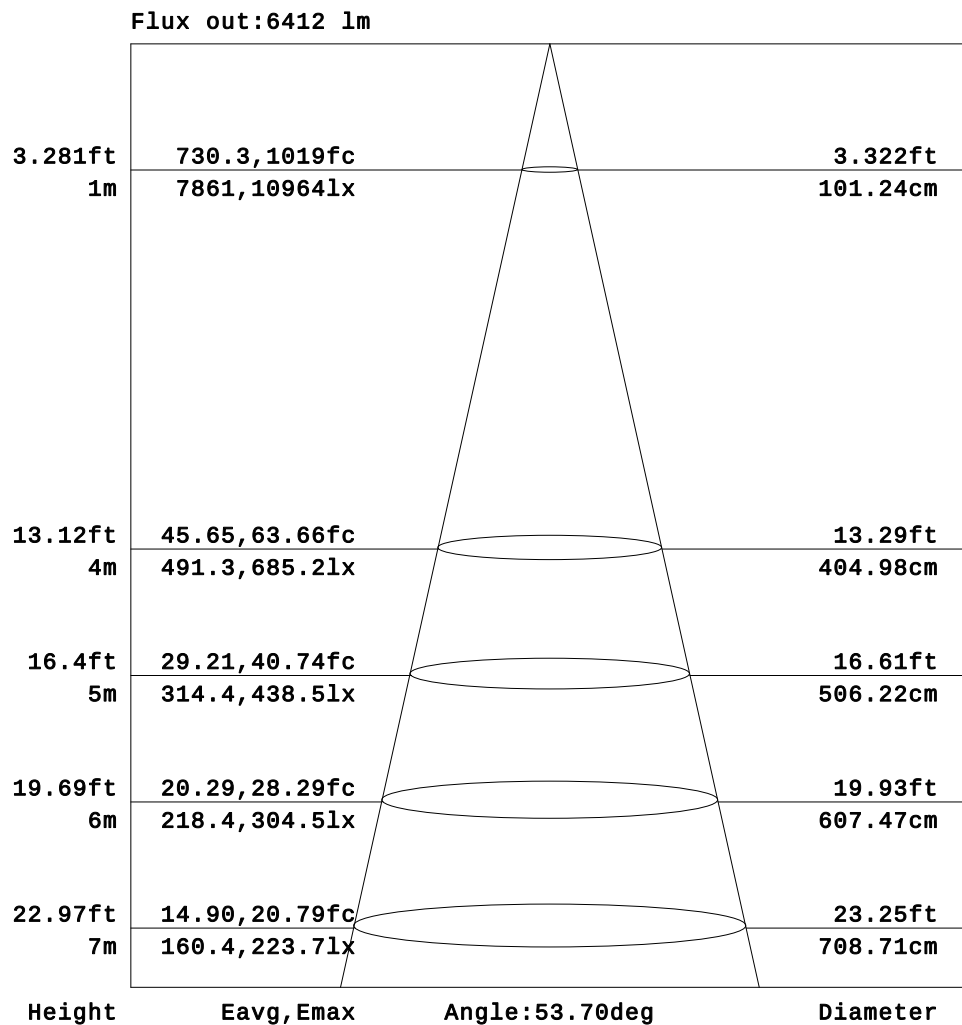


H(β) Range:-90 - 90DEG
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Test Speed: HIGH
Temperature:27.9DEG
Operators:QC1
Test Date:2024-04-22

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:71%
Test Distance:8.300m [K=1.0000]
Remarks:

AAI Figure

Test:U:220.2V I:1.053A P:227.2W PF:0.9797 Lamp Flux:11585.8x1 lm		
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DIM.:	SPEC.:	SERIAL No.:202404000049
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

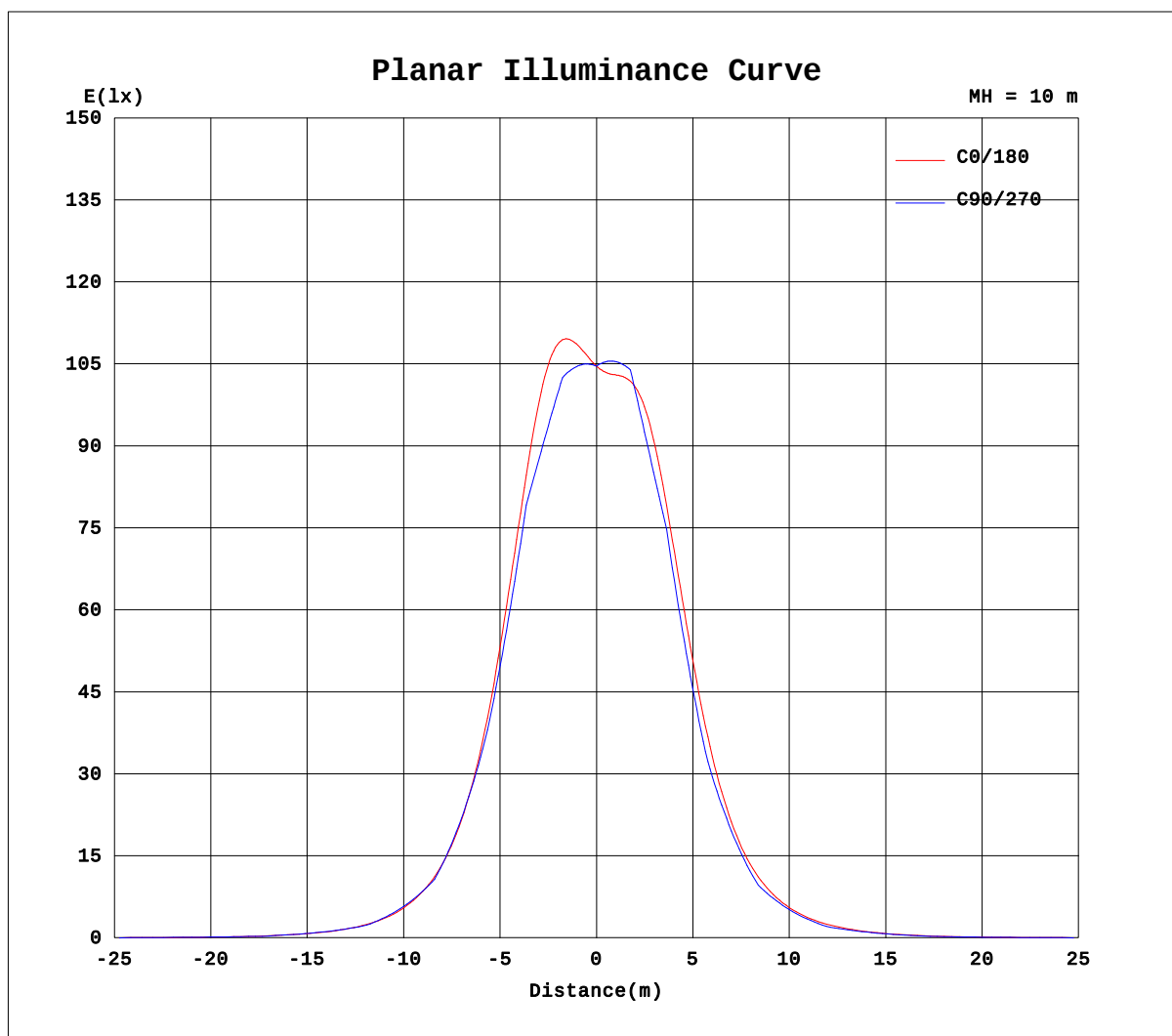


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:27.9DEG
Operators:QC1
Test Date:2024-04-22

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:71%
Test Distance:8.300m [K=1.0000]
Remarks:

Planar Illuminance Curve



H(β) Range: -90 - 90DEG
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Test Speed: HIGH
Temperature: 27.9DEG
Operators: QC1
Test Date: 2024-04-22

V(B) Range: -80 - 80DEG
V(B) Interval: 5.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity: 71%
Test Distance: 8.300m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.2V I:1.053A P:227.2W PF:0.9797 Lamp Flux:11585.8x1 lm		
NAME: 8.03.006.0120 60°SP-F620A-72P-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:202404000049
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: ×10cd

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	0.00	0.00	0.00	0.00	0.00	0.00
-75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.55	0.89	1.23	1.60	2.03	2.43	2.89	3.14	3.20	3.30	3.35
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.60	1.23	1.91	2.61	3.36	4.23	5.02	5.95	6.30	6.44	6.62	6.72
-65	0.00	0.00	0.00	0.00	0.00	0.50	1.17	2.25	3.47	4.78	6.35	8.17	9.91	11.7	13.5	14.9	15.9	16.6	17.1
-60	0.00	0.00	0.00	0.00	0.12	1.23	2.68	4.37	6.21	8.21	10.8	13.7	16.3	19.0	21.7	24.0	25.7	26.9	27.5
-55	0.00	0.00	0.00	0.00	0.64	2.22	4.24	6.59	9.55	13.6	18.3	23.6	29.4	35.6	41.8	47.6	52.4	55.9	57.8
-50	0.00	0.00	0.00	0.08	1.63	4.02	6.69	9.88	14.3	20.7	27.8	35.7	44.9	54.7	64.4	73.3	80.7	86.0	88.4
-45	0.00	0.00	0.00	0.29	2.05	4.94	8.52	13.0	19.8	29.5	41.1	55.0	71.1	89.0	108	127	144	157	164
-40	0.00	0.00	0.00	0.97	3.44	7.27	11.9	18.3	28.9	42.7	59.5	80.4	104	131	159	187	213	232	240
-35	0.00	0.00	0.00	0.99	3.65	7.72	13.5	21.9	35.7	54.5	78.6	110	148	192	243	296	344	380	398
-30	0.00	0.00	0.00	1.91	5.27	10.2	17.8	30.1	49.4	74.9	109	154	208	273	348	425	492	539	558
-25	0.00	0.00	0.00	1.77	5.19	10.4	18.7	33.1	55.8	87.2	131	190	267	365	475	582	670	727	755
-20	0.00	0.00	0.18	2.74	6.86	13.3	24.1	43.9	73.1	115	173	254	364	499	647	779	875	931	956
-15	0.00	0.00	0.07	2.42	6.50	12.9	24.0	44.2	75.4	121	188	283	413	574	741	876	957	993	1012
-10	0.00	0.00	0.49	3.41	8.19	16.1	30.1	55.3	93.2	152	236	359	524	718	896	1015	1058	1063	1076
-5	0.00	0.00	0.17	2.83	7.34	14.5	27.6	51.5	88.2	144	228	351	517	715	901	1023	1061	1054	1058
0	0.00	0.00	0.64	3.72	8.80	17.1	32.7	60.2	102	166	261	403	587	793	967	1060	1064	1041	1050
5	0.00	0.00	0.18	2.85	7.36	14.5	27.5	51.1	87.4	142	225	345	506	698	881	1009	1057	1058	1065
10	0.00	0.00	0.53	3.44	8.23	16.0	29.7	54.4	91.4	147	230	345	499	680	858	990	1053	1074	1090
15	0.00	0.00	0.12	2.58	6.72	13.1	24.0	43.9	74.5	119	183	273	392	540	696	831	922	969	993
20	0.00	0.00	0.39	3.04	7.28	13.7	24.4	44.1	72.5	113	168	243	342	462	593	718	816	877	902
25	0.00	0.00	0.05	2.09	5.57	10.7	18.9	33.1	55.1	85.2	126	181	251	338	434	531	614	671	698
30	0.00	0.00	0.10	2.24	5.63	10.4	17.8	29.7	48.1	72.3	104	144	194	252	315	381	439	481	497
35	0.00	0.00	0.00	1.38	4.09	8.08	13.7	22.0	35.2	53.1	75.8	104	139	179	224	269	310	341	356
40	0.00	0.00	0.00	1.43	3.96	7.69	12.3	18.6	28.7	42.1	58.1	77.6	99.9	124	150	175	196	210	215
45	0.00	0.00	0.00	0.56	2.48	5.41	9.02	13.3	19.8	29.1	40.1	53.1	68.2	84.7	102	119	133	143	148
50	0.00	0.00	0.00	0.35	1.99	4.54	7.26	10.1	14.3	20.3	26.9	34.3	43.0	52.0	61.0	69.0	75.2	79.1	80.1
55	0.00	0.00	0.00	0.06	0.91	2.66	4.74	6.91	9.65	13.5	17.9	22.8	28.3	34.0	39.8	45.0	49.1	51.8	52.8
60	0.00	0.00	0.00	0.00	0.40	1.61	3.07	4.65	6.38	8.33	10.7	13.4	15.9	18.4	20.8	22.9	24.4	25.2	25.5
65	0.00	0.00	0.00	0.00	0.10	0.68	1.40	2.51	3.69	4.99	6.45	8.14	9.80	11.5	13.0	14.4	15.3	15.9	16.1
70	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.82	1.52	2.19	2.86	3.58	4.42	5.17	5.88	6.36	6.50	6.62	6.63
75	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.35	0.69	1.03	1.36	1.71	2.12	2.52	2.87	3.15	3.24	3.30	3.31
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	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
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

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Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:71%
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Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

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NAME: 8.03.006.0120 60°SP-F620A-72P-RDM	TYPE:LED	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:202404000049
MFR.: TPK OPTOELECTRONIC TECH CO., LTD	SUR.:	PROTECTION ANGLE:

Table--2																	UNIT: ×10cd		
H(°) \ 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	0.00	0.00	0.00	0.00	0.00	0.00	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	3.36	3.33	3.31	3.17	2.81	2.46	2.07	1.69	1.36	1.03	0.65	0.30	0.00	0.00	0.00	0.00	0.00	0.00	
-70	6.72	6.63	6.61	6.19	5.48	4.77	3.97	3.24	2.58	1.91	1.15	0.44	0.00	0.00	0.00	0.00	0.00	0.00	
-65	17.1	16.7	16.0	14.7	13.1	11.4	9.64	7.86	6.17	4.73	3.38	2.18	1.05	0.38	0.00	0.00	0.00	0.00	
-60	27.4	26.5	24.9	22.6	20.0	17.3	14.6	11.8	9.14	6.99	5.11	3.41	1.82	0.52	0.00	0.00	0.00	0.00	
-55	57.8	55.7	51.8	46.5	40.3	34.0	27.8	22.0	16.7	12.2	8.60	5.99	3.76	1.71	0.39	0.00	0.00	0.00	
-50	87.7	83.5	76.7	68.0	58.1	48.2	38.7	30.1	22.4	15.8	10.9	7.63	4.86	2.23	0.48	0.00	0.00	0.00	
-45	162	154	139	122	103	83.5	65.7	50.0	36.5	25.4	16.9	11.1	7.01	3.71	1.37	0.03	0.00	0.00	
-40	235	219	195	168	139	111	86.1	64.2	45.9	31.2	20.1	12.8	7.72	4.08	1.51	0.00	0.00	0.00	
-35	394	370	330	280	226	177	134	97.4	68.4	45.9	29.1	17.6	10.4	5.76	2.48	0.26	0.00	0.00	
-30	548	507	445	370	292	224	165	118	80.9	52.9	32.8	19.0	10.9	5.93	2.44	0.13	0.00	0.00	
-25	754	719	649	548	433	326	234	162	108	70.0	43.1	24.6	13.9	7.45	3.35	0.60	0.00	0.00	
-20	951	907	816	682	529	387	270	182	118	74.8	44.8	24.9	13.7	7.14	3.00	0.28	0.00	0.00	
-15	1027	1021	965	840	667	490	338	223	143	89.5	53.7	30.0	16.1	8.45	3.78	0.74	0.00	0.00	
-10	1106	1122	1075	933	732	526	354	226	143	87.4	51.4	28.0	14.7	7.62	3.13	0.29	0.00	0.00	
-5	1094	1132	1118	1003	806	588	398	255	161	97.9	57.9	32.1	16.9	8.76	3.86	0.73	0.00	0.00	
0	1099	1149	1132	1003	793	566	376	239	148	89.4	52.2	28.4	15.0	7.64	3.10	0.24	0.00	0.00	
5	1098	1127	1102	980	782	566	382	245	155	94.6	56.2	31.2	16.6	8.62	3.80	0.70	0.00	0.00	
10	1111	1108	1039	886	684	484	323	208	132	81.7	48.4	26.5	14.2	7.40	3.04	0.24	0.00	0.00	
15	1001	980	905	769	599	433	297	196	127	80.0	48.3	27.3	14.9	7.91	3.49	0.57	0.00	0.00	
20	889	831	726	587	444	320	224	152	99.6	63.5	38.4	21.7	12.1	6.44	2.59	0.12	0.00	0.00	
25	692	650	571	468	362	268	192	134	90.1	58.8	36.6	21.3	12.3	6.71	2.88	0.32	0.00	0.00	
30	484	442	379	306	239	182	134	96.2	66.4	44.0	27.5	16.4	9.74	5.30	2.02	0.00	0.00	0.00	
35	350	324	282	233	186	144	109	79.5	56.1	38.1	24.5	15.2	9.30	5.08	2.00	0.09	0.00	0.00	
40	208	191	168	142	116	91.8	70.6	52.6	37.8	26.0	17.0	11.2	6.95	3.44	1.00	0.00	0.00	0.00	
45	145	135	120	103	86.0	69.4	54.4	41.3	30.4	21.4	14.4	9.69	6.24	3.16	0.92	0.00	0.00	0.00	
50	78.0	73.2	66.4	58.1	49.3	40.7	32.6	25.3	19.1	13.6	9.62	6.72	4.23	1.82	0.13	0.00	0.00	0.00	
55	51.9	49.3	45.3	40.3	34.8	29.2	23.9	18.9	14.5	10.6	7.59	5.27	3.27	1.35	0.20	0.00	0.00	0.00	
60	25.1	24.0	22.4	20.4	18.0	15.6	13.2	10.6	8.23	6.30	4.56	2.97	1.51	0.26	0.00	0.00	0.00	0.00	
65	15.9	15.4	14.5	13.4	11.9	10.4	8.75	7.09	5.51	4.19	2.94	1.81	0.88	0.24	0.00	0.00	0.00	0.00	
70	6.58	6.44	6.27	5.86	5.21	4.49	3.65	2.91	2.23	1.57	0.86	0.17	0.00	0.00	0.00	0.00	0.00	0.00	
75	3.30	3.24	3.16	2.99	2.67	2.32	1.91	1.52	1.18	0.86	0.50	0.16	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	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	

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H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:27.9DEG
Operators:QC1
Test Date:2024-04-22

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:71%
Test Distance:8.300m [K=1.0000]
Remarks: