

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P770339

Luminaire Tested: LD6D70BD010-EU6DR3070959050-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770339
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D70BD010-EU6DR3070959050-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8817.1 lumens
Efficiency: N/A
Efficacy: 132.4 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 66.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

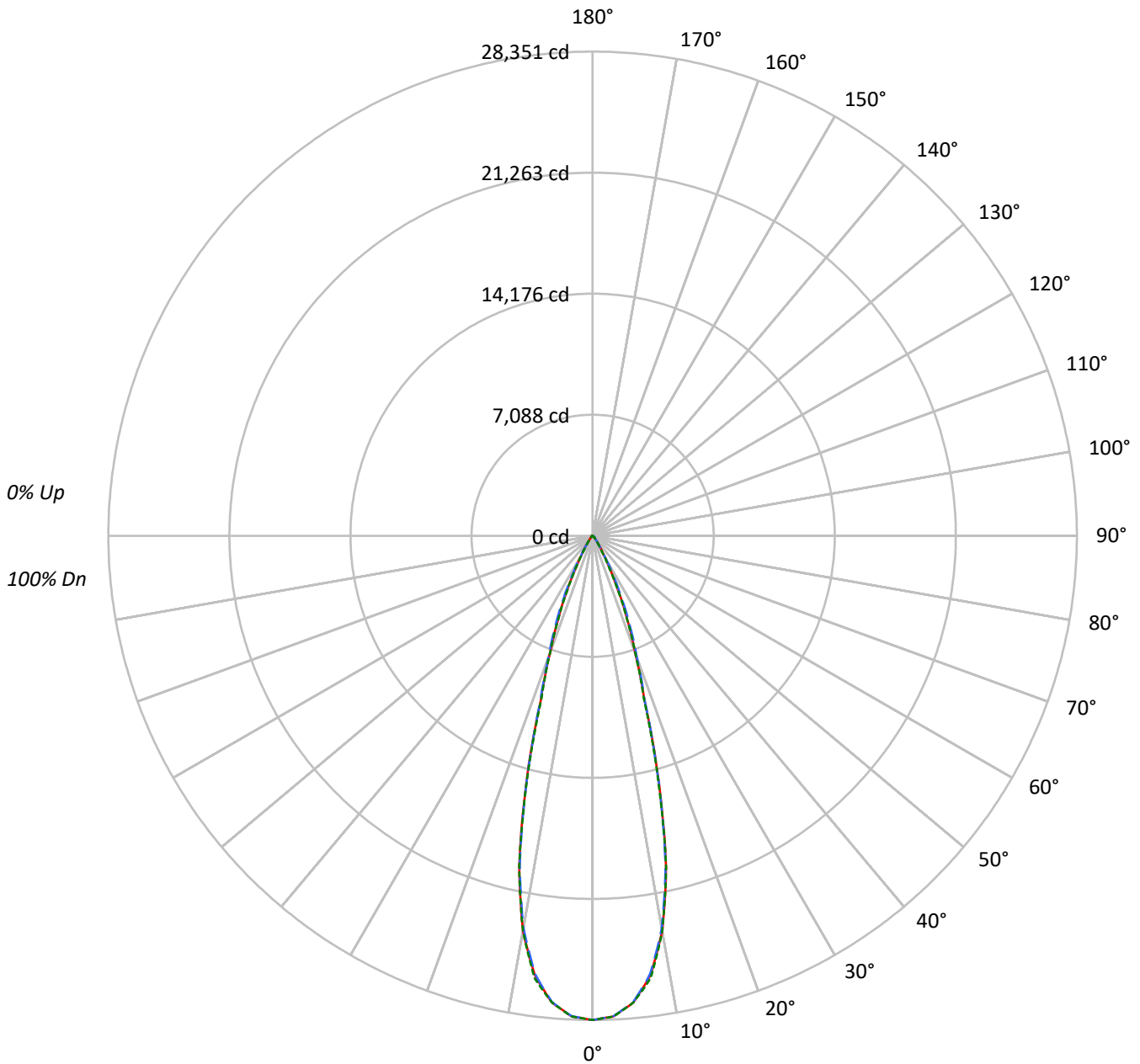


Downlight

TEST NUMBER: P770339

CATALOG NUMBER: LD6D70BD010-EU6DR3070959050-6LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P770339

CATALOG NUMBER: LD6D70BD010-EU6DR3070959050-6LBDP1LI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2170105	2170105	2170105
5°	2107805	2105346	2107913
10°	1825679	1812808	1825244
15°	1191165	1184770	1178811
20°	592314	614535	591516
25°	298367	336457	292253
30°	119461	130164	104082
35°	55411	53066	44479
40°	23921	26569	22532
45°	16876	20946	17028
50°	5799	15254	6133
55°	3350	6312	3523
60°	2342	2771	2342
65°	1521	1521	1521
70°	940	627	940
75°	0	414	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 20946 cd/sqm



TEST NUMBER: P770339

CATALOG NUMBER: LD6D70BD010-EU6DR3070959050-6LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2493.1	28.3
10°-20°	4015.1	45.5
20°-30°	1735.0	19.7
30°-40°	395.4	4.5
40°-50°	135.8	1.5
50°-60°	33.2	0.4
60°-70°	8.6	0.1
70°-80°	0.9	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	8243.2	93.5
0°-40°	8638.7	98.0
0°-60°	8807.6	99.9
0°-90°	8817.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8817.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	28351	28351	28351	28351	28351	
5°	27433	27406	27401	27458	27434	2495
15°	15032	14851	14951	14902	14876	4025
25°	3533	3666	3984	3573	3460	1691
35°	593	606	568	564	476	402
45°	156	194	194	194	157	111
55°	25	26	47	28	26	24
65°	8	8	8	8	8	8
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P770339

CATALOG NUMBER: LD6D70BD010-EU6DR3070959050-6LBDP1LI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	28351.3	28351.3	28351.3	28351.3	28351.3
2.5°	28163.4	28143.9	28155.0	28169.0	28174.5
5°	27432.6	27406.2	27400.6	27457.7	27434.0
7.5°	25958.5	25921.0	25863.9	25993.3	26114.4
10°	23489.2	23447.5	23323.6	23384.8	23483.6
12.5°	19843.7	19708.7	19705.9	19900.8	19874.3
15°	15031.7	14850.8	14951.0	14902.3	14875.8
17.5°	10108.4	10038.8	10172.4	10132.0	9958.0
20°	7271.6	7289.7	7544.4	7416.3	7261.8
22.5°	5306.1	5371.5	5673.6	5343.7	5222.6
25°	3532.8	3666.4	3983.8	3573.1	3460.4
27.5°	2172.8	2234.1	2555.6	2145.0	2083.8
30°	1351.6	1321.0	1472.7	1263.9	1177.6
32.5°	886.7	847.7	896.4	804.5	735.0
35°	593.0	605.5	567.9	563.7	476.0
37.5°	370.3	425.9	375.8	400.9	306.2
40°	239.4	309.0	265.9	293.7	225.5
42.5°	196.3	238.0	218.5	232.5	200.4
45°	155.9	193.5	193.5	193.5	157.3
47.5°	86.3	129.5	165.6	132.2	91.9
50°	48.7	65.4	128.1	68.2	51.5
52.5°	33.4	37.6	87.7	39.0	34.8
55°	25.1	26.4	47.3	27.8	26.4
57.5°	19.5	20.9	25.1	20.9	19.5
60°	15.3	15.3	18.1	16.7	15.3
62.5°	11.1	11.1	12.5	11.1	11.1
65°	8.4	8.4	8.4	8.4	8.4
67.5°	4.2	5.6	5.6	5.6	5.6
70°	4.2	2.8	2.8	2.8	4.2
72.5°	2.8	1.4	1.4	1.4	1.4
75°	0.0	0.0	1.4	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)