

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: P770286

Luminaire Tested: LD6D70BD010-EU6DR3070959027-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770286
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-EU6DR3070959027-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7651.0 lumens
Efficiency: N/A
Efficacy: 114.9 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

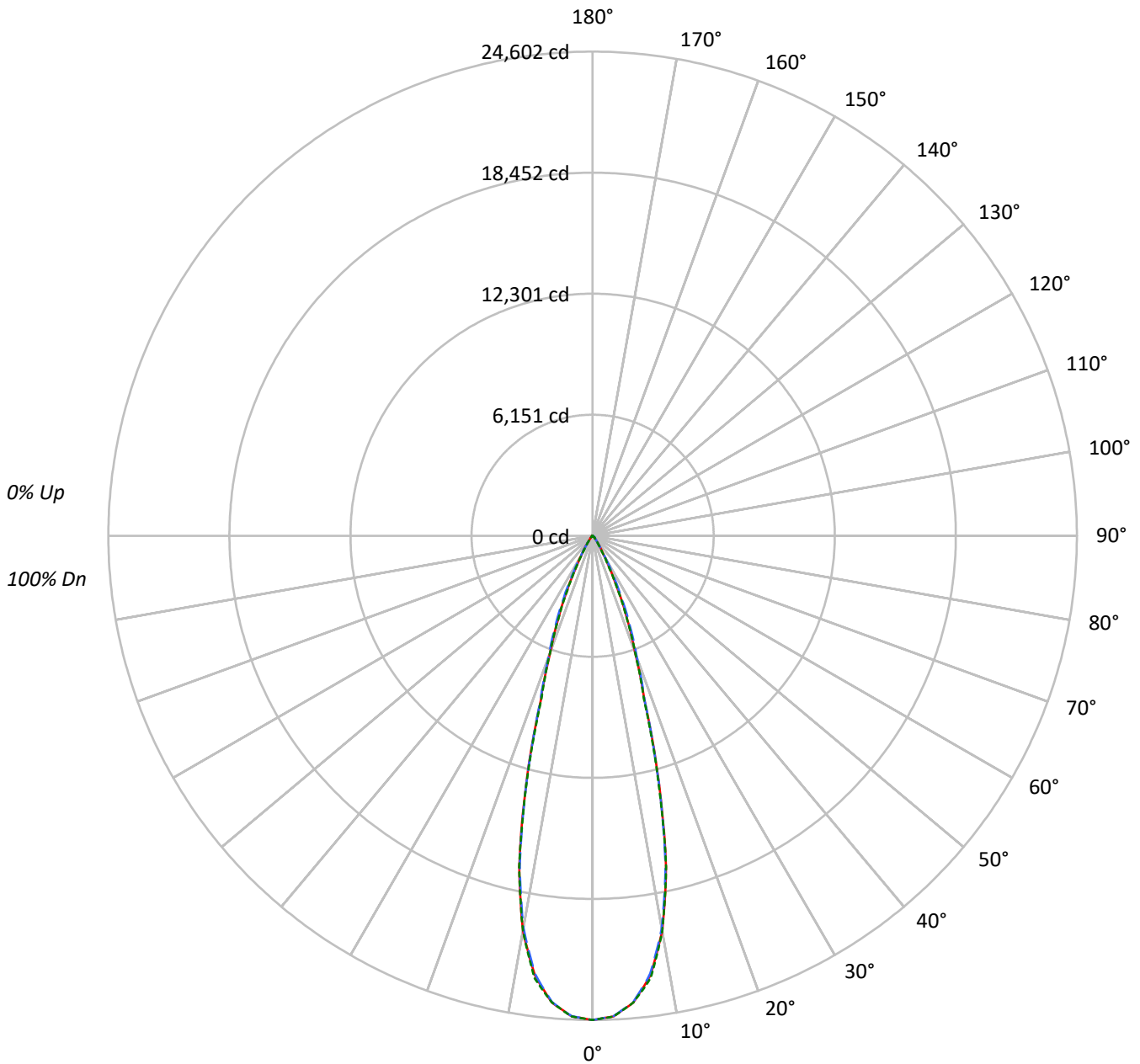


Downlight

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Luminous Intensity Polar Plot





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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°	1883113	1883113	1883113
5°	1829053	1826917	1829145
10°	1584237	1573068	1583864
15°	1033637	1028082	1022915
20°	513978	533267	513294
25°	258909	291957	253605
30°	103658	112947	90320
35°	48085	46048	38601
40°	20763	23052	19554
45°	14646	18175	14776
50°	5037	13230	5323
55°	2896	5485	3056
60°	2036	2403	2036
65°	1304	1304	1304
70°	806	537	806
75°	0	355	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 18175 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2163.4	28.3
10°-20°	3484.1	45.5
20°-30°	1505.6	19.7
30°-40°	343.2	4.5
40°-50°	117.8	1.5
50°-60°	28.8	0.4
60°-70°	7.4	0.1
70°-80°	0.8	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°	7153.1	93.5
0°-40°	7496.2	98.0
0°-60°	7642.8	99.9
0°-90°	7651.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7651.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	24602	24602	24602	24602	24602	
5°	23805	23782	23777	23826	23806	2165
15°	13044	12887	12974	12932	12908	3493
25°	3066	3182	3457	3101	3003	1467
35°	515	525	493	489	413	349
45°	135	168	168	168	136	96
55°	22	23	41	24	23	21
65°	7	7	7	7	7	7
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	24601.9	24601.9	24601.9	24601.9	24601.9
2.5°	24438.8	24421.9	24431.6	24443.7	24448.5
5°	23804.7	23781.7	23776.9	23826.4	23805.9
7.5°	22525.6	22492.9	22443.4	22555.8	22660.8
10°	20382.8	20346.6	20239.1	20292.2	20378.0
12.5°	17219.4	17102.2	17099.8	17268.9	17246.0
15°	13043.8	12886.8	12973.7	12931.5	12908.5
17.5°	8771.5	8711.2	8827.1	8792.1	8641.1
20°	6309.9	6325.6	6546.7	6435.5	6301.5
22.5°	4604.4	4661.2	4923.3	4637.0	4531.9
25°	3065.6	3181.5	3456.9	3100.6	3002.8
27.5°	1885.5	1938.6	2217.6	1861.3	1808.2
30°	1172.8	1146.3	1277.9	1096.7	1021.9
32.5°	769.4	735.6	777.9	698.1	637.8
35°	514.6	525.4	492.8	489.2	413.1
37.5°	321.3	369.6	326.1	347.9	265.7
40°	207.8	268.1	230.7	254.9	195.7
42.5°	170.3	206.5	189.6	201.7	173.9
45°	135.3	167.9	167.9	167.9	136.5
47.5°	74.9	112.3	143.7	114.7	79.7
50°	42.3	56.8	111.1	59.2	44.7
52.5°	29.0	32.6	76.1	33.8	30.2
55°	21.7	22.9	41.1	24.2	22.9
57.5°	16.9	18.1	21.7	18.1	16.9
60°	13.3	13.3	15.7	14.5	13.3
62.5°	9.7	9.7	10.9	9.7	9.7
65°	7.2	7.2	7.2	7.2	7.2
67.5°	3.6	4.8	4.8	4.8	4.8
70°	3.6	2.4	2.4	2.4	3.6
72.5°	2.4	1.2	1.2	1.2	1.2
75°	0.0	0.0	1.2	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



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Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°

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