

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



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: P770314

Luminaire Tested: LD6D70BD010-EU6DR3070959035-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770314
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-EU6DR3070959035-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7105.5 lumens
Efficiency: N/A
Efficacy: 106.7 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

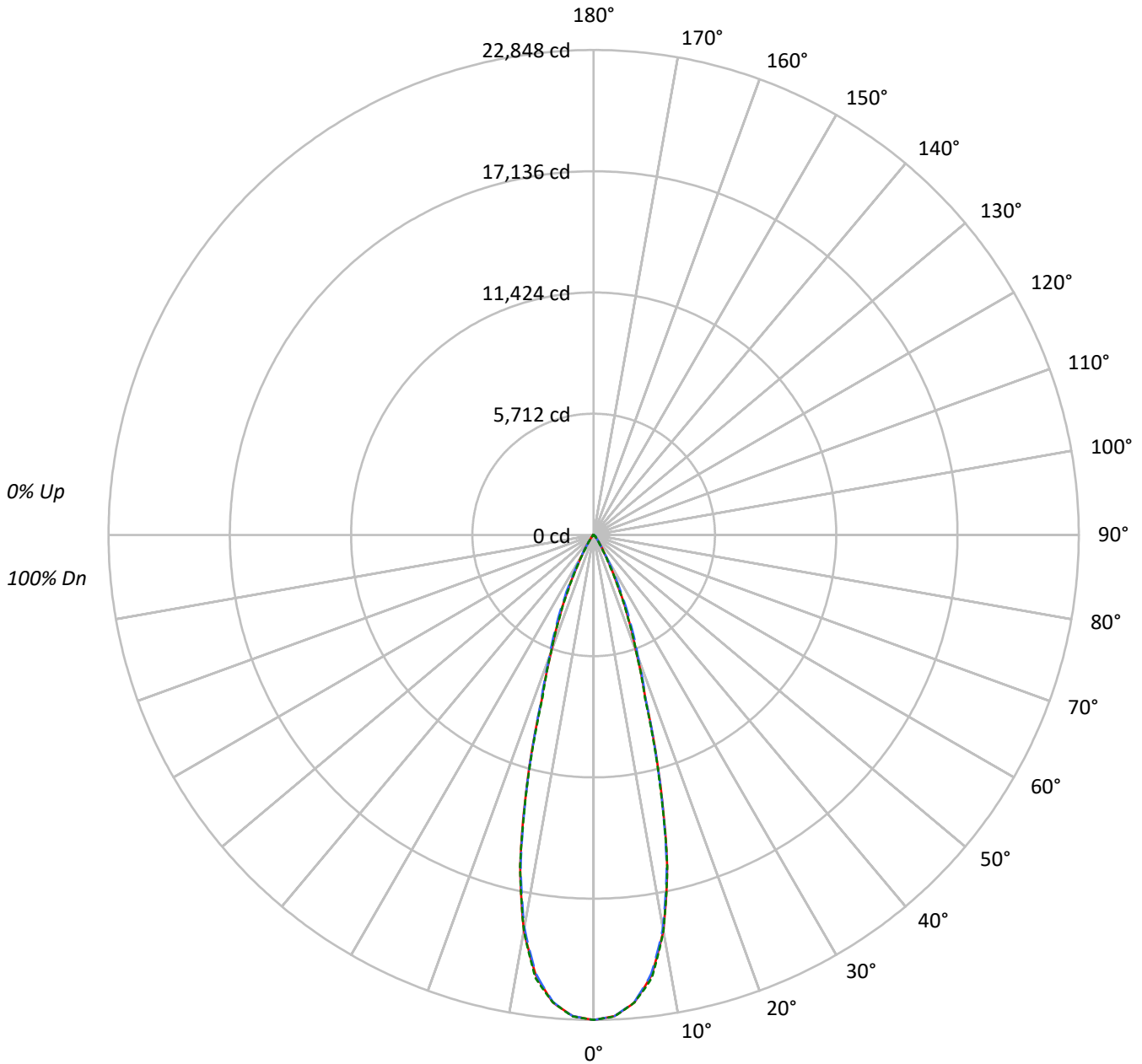


Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1748833	1748833	1748833
5°	1698632	1696649	1698716
10°	1471272	1460896	1470923
15°	959933	954774	949972
20°	477331	495235	476687
25°	240447	271138	235515
30°	96269	104895	83877
35°	44656	42769	35844
40°	19275	21413	18156
45°	13596	16876	13726
50°	4680	12289	4942
55°	2696	5084	2842
60°	1883	2235	1883
65°	1213	1213	1213
70°	761	492	761
75°	0	325	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 16876 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2009.1	28.3
10°-20°	3235.7	45.5
20°-30°	1398.2	19.7
30°-40°	318.7	4.5
40°-50°	109.4	1.5
50°-60°	26.7	0.4
60°-70°	6.9	0.1
70°-80°	0.7	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°	6643.0	93.5
0°-40°	6961.7	98.0
0°-60°	7097.8	99.9
0°-90°	7105.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7105.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	22848	22848	22848	22848	22848	
5°	22107	22086	22082	22128	22108	2011
15°	12114	11968	12049	12009	11988	3244
25°	2847	2955	3210	2880	2789	1363
35°	478	488	458	454	384	324
45°	126	156	156	156	127	89
55°	20	21	38	22	21	20
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°	22847.6	22847.6	22847.6	22847.6	22847.6
2.5°	22696.2	22680.5	22689.5	22700.7	22705.2
5°	22107.3	22086.0	22081.5	22127.5	22108.4
7.5°	20919.4	20889.1	20843.1	20947.4	21045.0
10°	18929.4	18895.7	18795.9	18845.3	18924.9
12.5°	15991.5	15882.7	15880.5	16037.5	16016.2
15°	12113.7	11967.9	12048.6	12009.4	11988.0
17.5°	8146.1	8090.0	8197.7	8165.2	8024.9
20°	5860.0	5874.6	6079.8	5976.6	5852.1
22.5°	4276.1	4328.8	4572.2	4306.4	4208.8
25°	2847.0	2954.7	3210.4	2879.5	2788.6
27.5°	1751.0	1800.4	2059.5	1728.6	1679.2
30°	1089.2	1064.5	1186.8	1018.5	949.0
32.5°	714.5	683.1	722.4	648.4	592.3
35°	477.9	488.0	457.7	454.3	383.6
37.5°	298.4	343.3	302.9	323.1	246.8
40°	192.9	249.0	214.3	236.7	181.7
42.5°	158.2	191.8	176.1	187.3	161.5
45°	125.6	155.9	155.9	155.9	126.8
47.5°	69.5	104.3	133.5	106.6	74.0
50°	39.3	52.7	103.2	55.0	41.5
52.5°	26.9	30.3	70.7	31.4	28.0
55°	20.2	21.3	38.1	22.4	21.3
57.5°	15.7	16.8	20.2	16.8	15.7
60°	12.3	12.3	14.6	13.5	12.3
62.5°	9.0	9.0	10.1	9.0	9.0
65°	6.7	6.7	6.7	6.7	6.7
67.5°	3.4	4.5	4.5	4.5	4.5
70°	3.4	2.2	2.2	2.2	3.4
72.5°	2.2	1.1	1.1	1.1	1.1
75°	0.0	0.0	1.1	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

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Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°

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