

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: P760233

Luminaire Tested: LD6D10D010-EU6DR300210IC9050-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760233
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: LD6D10D010-EU6DR300210IC9050-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1073.9 lumens
Efficiency: N/A
Efficacy: 91.8 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): 11.7
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

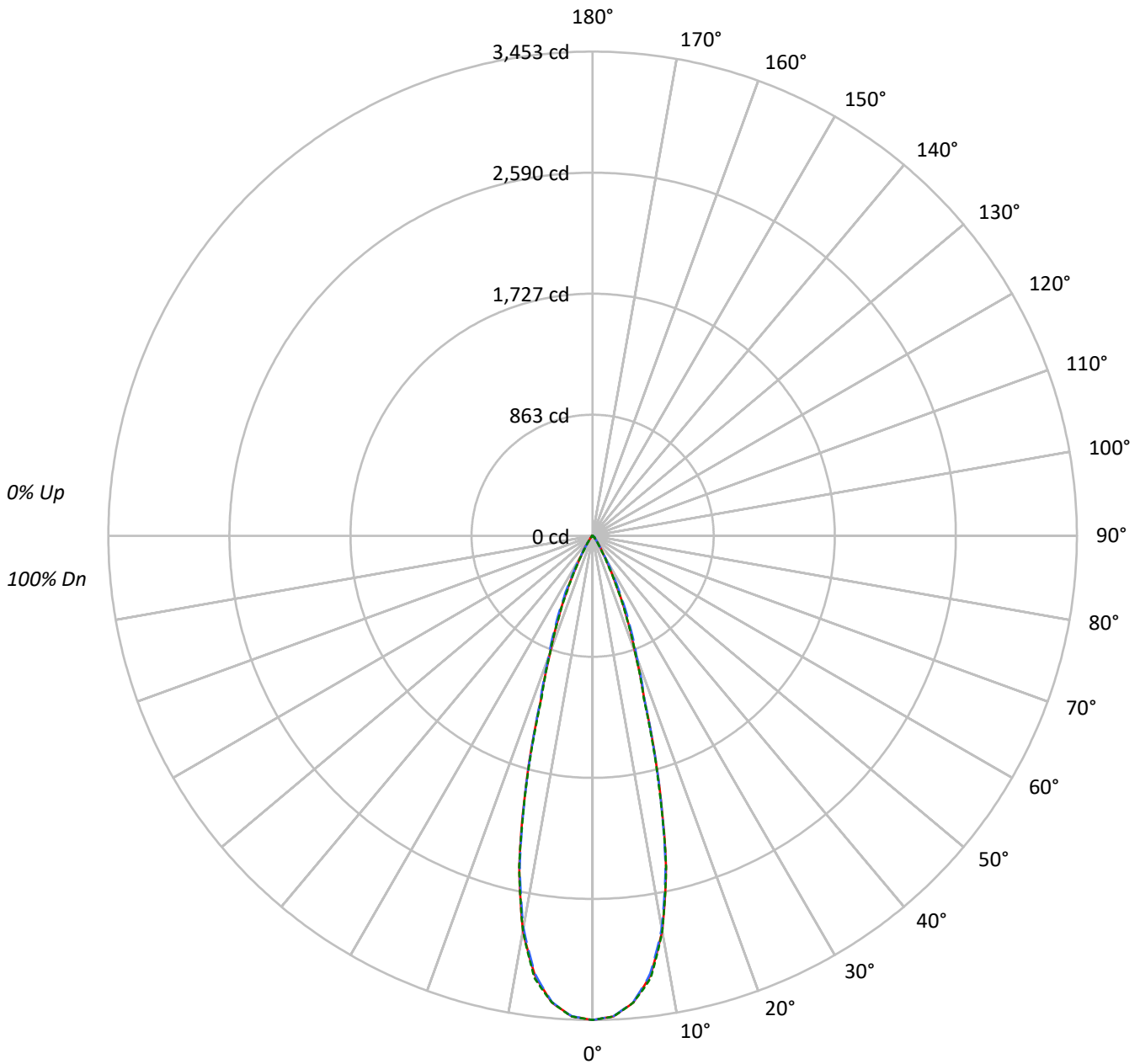


Downlight



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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					70					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°	264304	264304	264304
5°	256716	256416	256731
10°	222361	220783	222307
15°	145071	144303	143573
20°	72137	74842	72048
25°	36342	40978	35598
30°	14548	15856	12674
35°	6747	6466	5420
40°	2918	3237	2738
45°	2057	2544	2068
50°	714	1858	738
55°	400	774	427
60°	291	337	291
65°	181	181	181
70°	112	67	112
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 2544 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.6	28.3
10°-20°	489.0	45.5
20°-30°	211.3	19.7
30°-40°	48.2	4.5
40°-50°	16.5	1.5
50°-60°	4.0	0.4
60°-70°	1.1	0.1
70°-80°	0.1	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°	1004.0	93.5
0°-40°	1052.1	98.0
0°-60°	1072.7	99.9
0°-90°	1073.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1073.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3453	3453	3453	3453	3453	
5°	3341	3338	3337	3344	3341	304
15°	1831	1809	1821	1815	1812	490
25°	430	447	485	435	422	206
35°	72	74	69	69	58	49
45°	19	24	24	24	19	13
55°	3	3	6	3	3	3
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3453.0	3453.0	3453.0	3453.0	3453.0
2.5°	3430.1	3427.7	3429.1	3430.8	3431.5
5°	3341.1	3337.9	3337.2	3344.1	3341.3
7.5°	3161.6	3157.0	3150.0	3165.8	3180.6
10°	2860.9	2855.8	2840.6	2848.1	2860.2
12.5°	2416.8	2400.4	2400.0	2423.8	2420.5
15°	1830.7	1808.7	1821.0	1815.0	1811.8
17.5°	1231.2	1222.7	1238.9	1234.0	1212.8
20°	885.6	887.8	918.8	903.3	884.5
22.5°	646.2	654.2	691.0	650.8	636.1
25°	430.3	446.6	485.2	435.2	421.5
27.5°	264.6	272.1	311.3	261.3	253.8
30°	164.6	160.9	179.4	154.0	143.4
32.5°	108.0	103.2	109.2	98.0	89.5
35°	72.2	73.7	69.2	68.6	58.0
37.5°	45.1	51.9	45.8	48.8	37.3
40°	29.2	37.6	32.4	35.8	27.4
42.5°	23.9	29.0	26.6	28.3	24.4
45°	19.0	23.5	23.5	23.5	19.1
47.5°	10.5	15.8	20.2	16.1	11.2
50°	6.0	8.0	15.6	8.3	6.2
52.5°	4.1	4.6	10.7	4.8	4.2
55°	3.0	3.2	5.8	3.4	3.2
57.5°	2.3	2.5	3.0	2.5	2.3
60°	1.9	1.9	2.2	2.1	1.9
62.5°	1.4	1.4	1.5	1.4	1.4
65°	1.0	1.0	1.0	1.0	1.0
67.5°	0.5	0.7	0.7	0.7	0.7
70°	0.5	0.3	0.3	0.3	0.5
72.5°	0.3	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	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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