

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: P761183

Luminaire Tested: LD6D15D010-EU6DR300215IC9027-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761183
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: LD6D15D010-EU6DR300215IC9027-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1063.4 lumens
Efficiency: N/A
Efficacy: 67.3 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): 15.8
Input Voltage (V): NR
Input Current (Ain): 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



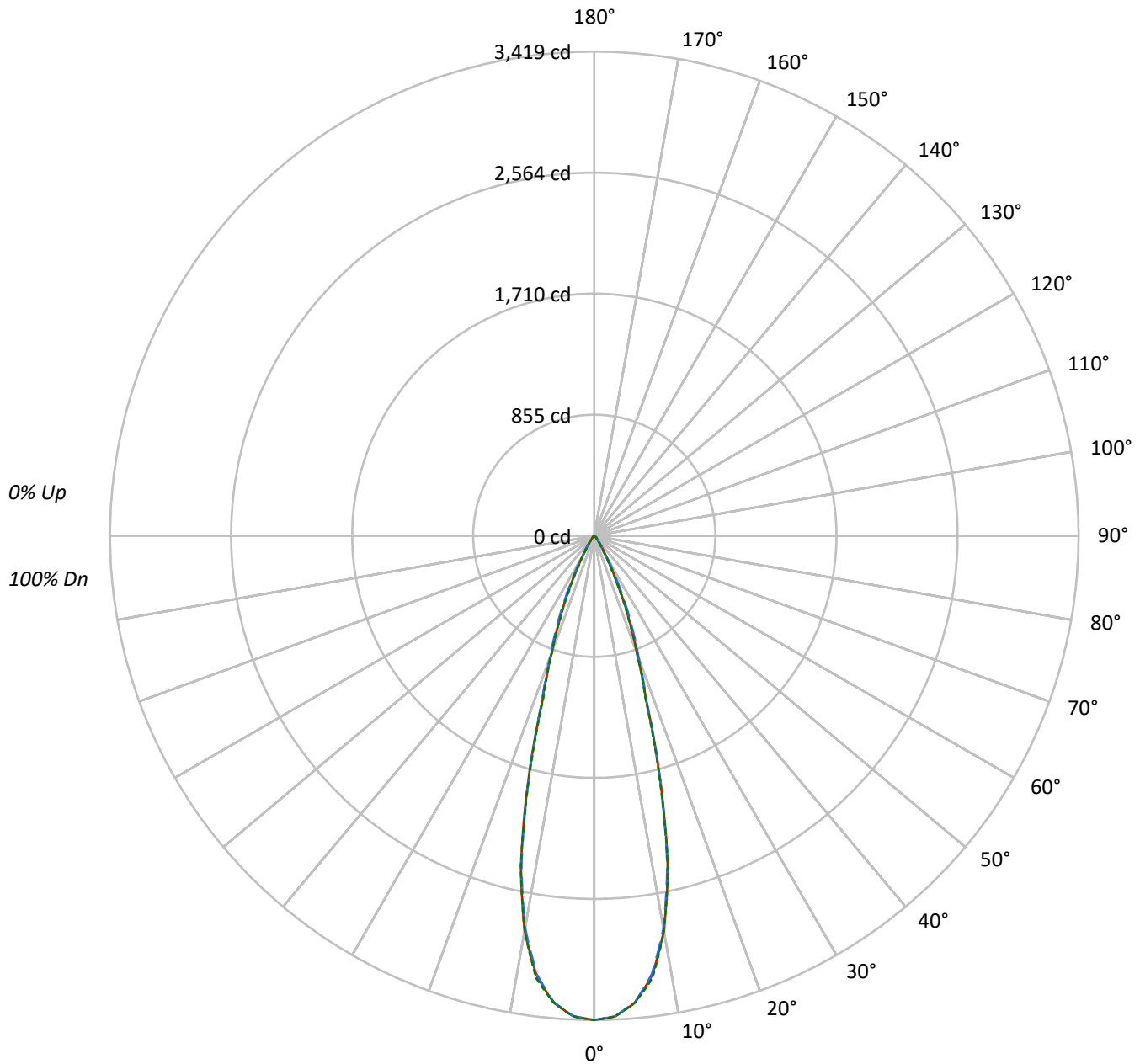
Downlight



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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	261725	261725	261725
5°	254203	253912	254219
10°	220177	218630	220130
15°	143661	142884	142171
20°	71437	74108	71339
25°	35978	40581	35244
30°	14407	15697	12551
35°	6681	6401	5364
40°	2888	3207	2718
45°	2035	2522	2057
50°	703	1846	738
55°	400	761	427
60°	276	337	276
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: 2522 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.7	28.3
10°-20°	484.2	45.5
20°-30°	209.2	19.7
30°-40°	47.7	4.5
40°-50°	16.4	1.5
50°-60°	4.0	0.4
60°-70°	1.0	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°	994.1	93.5
0°-40°	1041.8	98.0
0°-60°	1062.2	99.9
0°-90°	1063.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1063.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3419	3419	3419	3419	3419	
5°	3308	3305	3305	3312	3309	301
15°	1813	1791	1803	1797	1794	485
25°	426	442	480	431	417	204
35°	72	73	68	68	57	48
45°	19	23	23	23	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°	3419.3	3419.3	3419.3	3419.3	3419.3
2.5°	3396.6	3394.2	3395.6	3397.3	3397.9
5°	3308.4	3305.2	3304.6	3311.5	3308.6
7.5°	3130.7	3126.1	3119.3	3134.8	3149.5
10°	2832.8	2827.8	2812.9	2820.3	2832.2
12.5°	2393.2	2376.9	2376.6	2400.1	2396.9
15°	1812.9	1791.0	1803.1	1797.2	1794.1
17.5°	1219.1	1210.7	1226.8	1221.9	1201.0
20°	877.0	879.1	909.8	894.4	875.8
22.5°	639.9	647.8	684.3	644.5	629.8
25°	426.0	442.2	480.5	430.9	417.3
27.5°	262.1	269.5	308.2	258.7	251.3
30°	163.0	159.3	177.6	152.4	142.0
32.5°	106.9	102.2	108.1	97.1	88.6
35°	71.5	73.1	68.5	68.0	57.4
37.5°	44.6	51.4	45.3	48.4	37.0
40°	28.9	37.2	32.1	35.4	27.2
42.5°	23.7	28.7	26.4	28.0	24.2
45°	18.8	23.3	23.3	23.3	19.0
47.5°	10.4	15.6	20.0	15.9	11.1
50°	5.9	7.9	15.5	8.3	6.2
52.5°	4.0	4.5	10.6	4.7	4.2
55°	3.0	3.2	5.7	3.4	3.2
57.5°	2.3	2.5	3.0	2.5	2.3
60°	1.8	1.8	2.2	2.0	1.8
62.5°	1.3	1.3	1.5	1.3	1.3
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



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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°







(END OF REPORT)