

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: P761185

Luminaire Tested: LD6D15D010-EU6DR300215IC9027-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761185
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-EU6DR300215IC9027-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

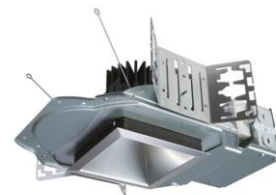
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1386.9 lumens
Efficiency: N/A
Efficacy: 87.8 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): 15.8
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



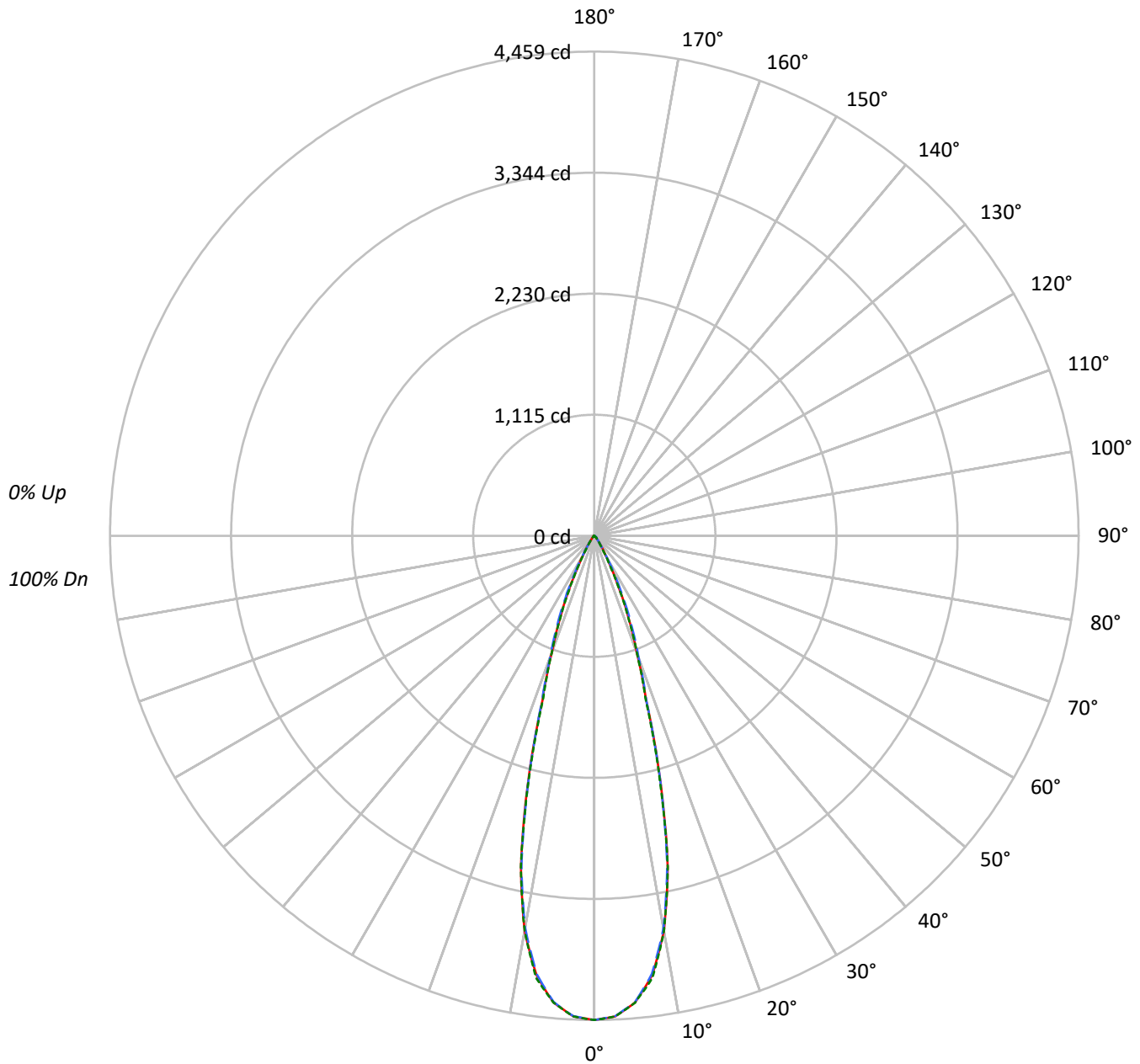
Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	341330	341330	341330
5°	331531	331155	331554
10°	287160	285131	287090
15°	187356	186349	185414
20°	93161	96655	93039
25°	46924	52920	45970
30°	18791	20470	16369
35°	8718	8344	6999
40°	3757	4177	3547
45°	2652	3291	2685
50°	917	2405	965
55°	534	988	560
60°	367	444	367
65°	235	235	235
70°	134	112	134
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3291 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	392.1	28.3
10°-20°	631.5	45.5
20°-30°	272.9	19.7
30°-40°	62.2	4.5
40°-50°	21.4	1.5
50°-60°	5.2	0.4
60°-70°	1.4	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°	1296.6	93.5
0°-40°	1358.8	98.0
0°-60°	1385.3	99.9
0°-90°	1386.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1386.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4459	4459	4459	4459	4459	
5°	4315	4311	4310	4319	4315	392
15°	2364	2336	2352	2344	2340	633
25°	556	577	627	562	544	266
35°	93	95	89	89	75	63
45°	24	30	30	30	25	17
55°	4	4	7	4	4	4
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°	4459.3	4459.3	4459.3	4459.3	4459.3
2.5°	4429.8	4426.7	4428.5	4430.7	4431.5
5°	4314.8	4310.7	4309.9	4318.8	4315.1
7.5°	4083.0	4077.1	4068.1	4088.5	4107.5
10°	3694.6	3688.0	3668.5	3678.2	3693.7
12.5°	3121.2	3100.0	3099.5	3130.2	3126.0
15°	2364.3	2335.9	2351.6	2343.9	2339.8
17.5°	1589.9	1579.0	1600.0	1593.7	1566.3
20°	1143.7	1146.6	1186.6	1166.5	1142.2
22.5°	834.6	844.9	892.4	840.5	821.4
25°	555.6	576.7	626.6	562.0	544.3
27.5°	341.8	351.4	402.0	337.4	327.7
30°	212.6	207.8	231.6	198.8	185.2
32.5°	139.5	133.3	141.0	126.6	115.6
35°	93.3	95.2	89.3	88.7	74.9
37.5°	58.2	67.0	59.1	63.1	48.2
40°	37.6	48.6	41.8	46.2	35.5
42.5°	30.9	37.4	34.4	36.6	31.5
45°	24.5	30.4	30.4	30.4	24.8
47.5°	13.6	20.3	26.1	20.8	14.4
50°	7.7	10.3	20.2	10.7	8.1
52.5°	5.3	5.9	13.8	6.1	5.5
55°	4.0	4.2	7.4	4.4	4.2
57.5°	3.0	3.3	4.0	3.3	3.0
60°	2.4	2.4	2.9	2.6	2.4
62.5°	1.8	1.8	1.9	1.8	1.8
65°	1.3	1.3	1.3	1.3	1.3
67.5°	0.6	0.9	0.9	0.9	0.9
70°	0.6	0.5	0.5	0.5	0.6
72.5°	0.5	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)