

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: P761197

Luminaire Tested: LD6D15D010-EU6DR300215IC9030-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761197
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-EU6DR300215IC9030-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1363.8 lumens
Efficiency: N/A
Efficacy: 86.3 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



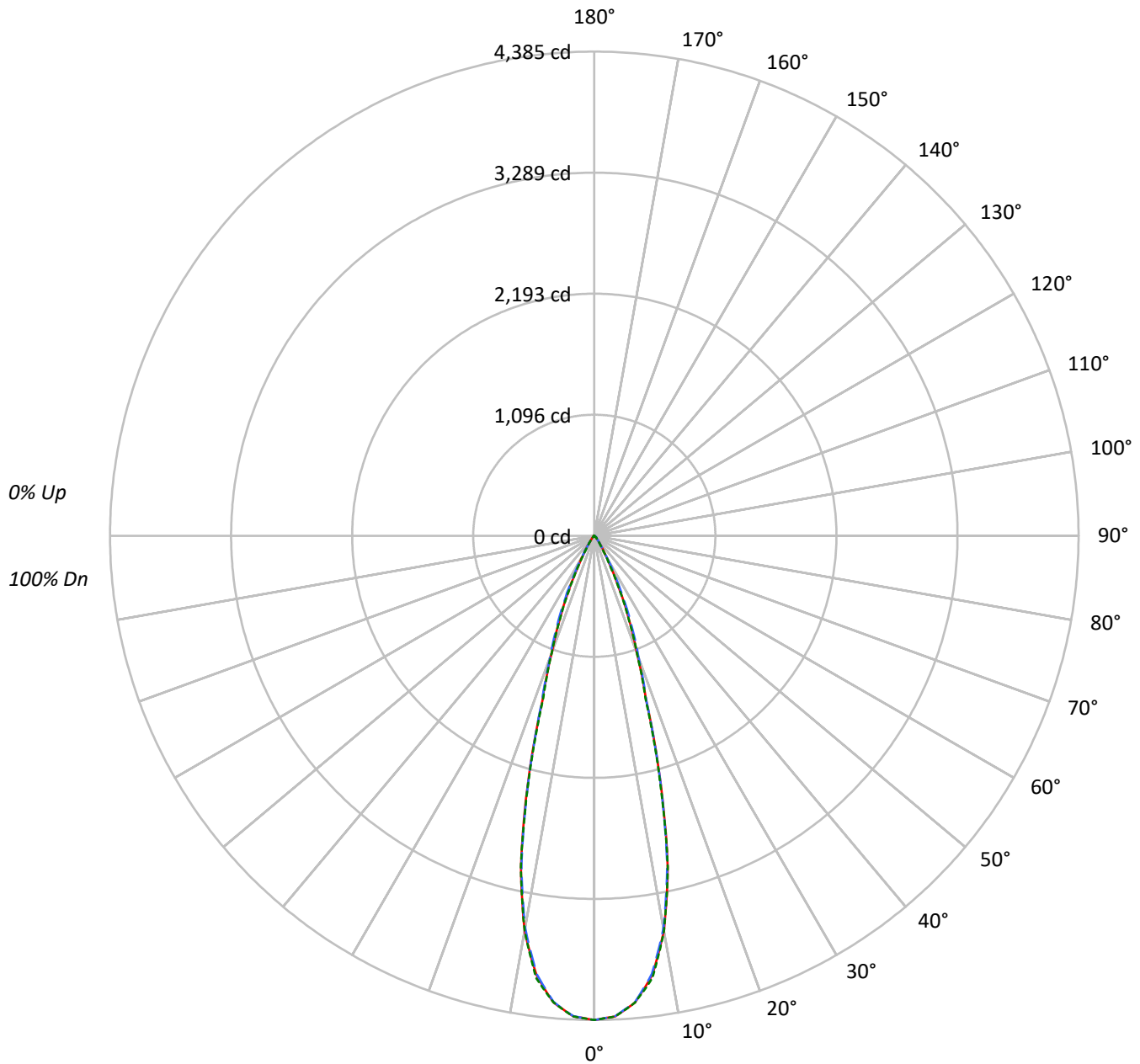
Downlight



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	335666	335666	335666
5°	326030	325645	326045
10°	282395	280398	282325
15°	184241	183251	182331
20°	91621	95051	91491
25°	46147	52042	45209
30°	18481	20134	16095
35°	8569	8204	6877
40°	3697	4107	3487
45°	2609	3237	2641
50°	905	2358	953
55°	520	974	547
60°	352	429	352
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: 3237 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	385.6	28.3
10°-20°	621.0	45.5
20°-30°	268.4	19.7
30°-40°	61.2	4.5
40°-50°	21.0	1.5
50°-60°	5.1	0.4
60°-70°	1.3	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°	1275.0	93.5
0°-40°	1336.2	98.0
0°-60°	1362.3	99.9
0°-90°	1363.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1363.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4385	4385	4385	4385	4385	
5°	4243	4239	4238	4247	4243	386
15°	2325	2297	2312	2305	2301	623
25°	546	567	616	553	535	262
35°	92	94	88	87	74	62
45°	24	30	30	30	24	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°	4385.3	4385.3	4385.3	4385.3	4385.3
2.5°	4356.2	4353.2	4354.9	4357.1	4357.9
5°	4243.2	4239.1	4238.2	4247.1	4243.4
7.5°	4015.2	4009.3	4000.5	4020.6	4039.3
10°	3633.3	3626.8	3607.6	3617.1	3632.4
12.5°	3069.4	3048.4	3048.0	3078.2	3074.1
15°	2325.0	2297.1	2312.5	2305.0	2300.9
17.5°	1563.5	1552.8	1573.4	1567.2	1540.3
20°	1124.8	1127.6	1166.9	1147.1	1123.2
22.5°	820.8	830.8	877.6	826.5	807.8
25°	546.4	567.1	616.2	552.7	535.3
27.5°	336.1	345.5	395.3	331.8	322.3
30°	209.1	204.3	227.8	195.5	182.1
32.5°	137.2	131.1	138.7	124.4	113.7
35°	91.7	93.7	87.8	87.2	73.6
37.5°	57.3	65.9	58.2	62.0	47.4
40°	37.0	47.8	41.1	45.4	34.9
42.5°	30.4	36.8	33.8	36.0	31.0
45°	24.1	29.9	29.9	29.9	24.4
47.5°	13.3	20.0	25.6	20.5	14.2
50°	7.6	10.1	19.8	10.5	8.0
52.5°	5.2	5.8	13.6	6.0	5.4
55°	3.9	4.1	7.3	4.3	4.1
57.5°	3.0	3.2	3.9	3.2	3.0
60°	2.3	2.3	2.8	2.6	2.3
62.5°	1.7	1.7	1.9	1.7	1.7
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)