

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: P761750

Luminaire Tested: LD6D15D010-EU6DR650215IC9040-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P761750
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR650215IC9040-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1394.0 lumens
Efficiency: N/A
Efficacy: 88.2 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' 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



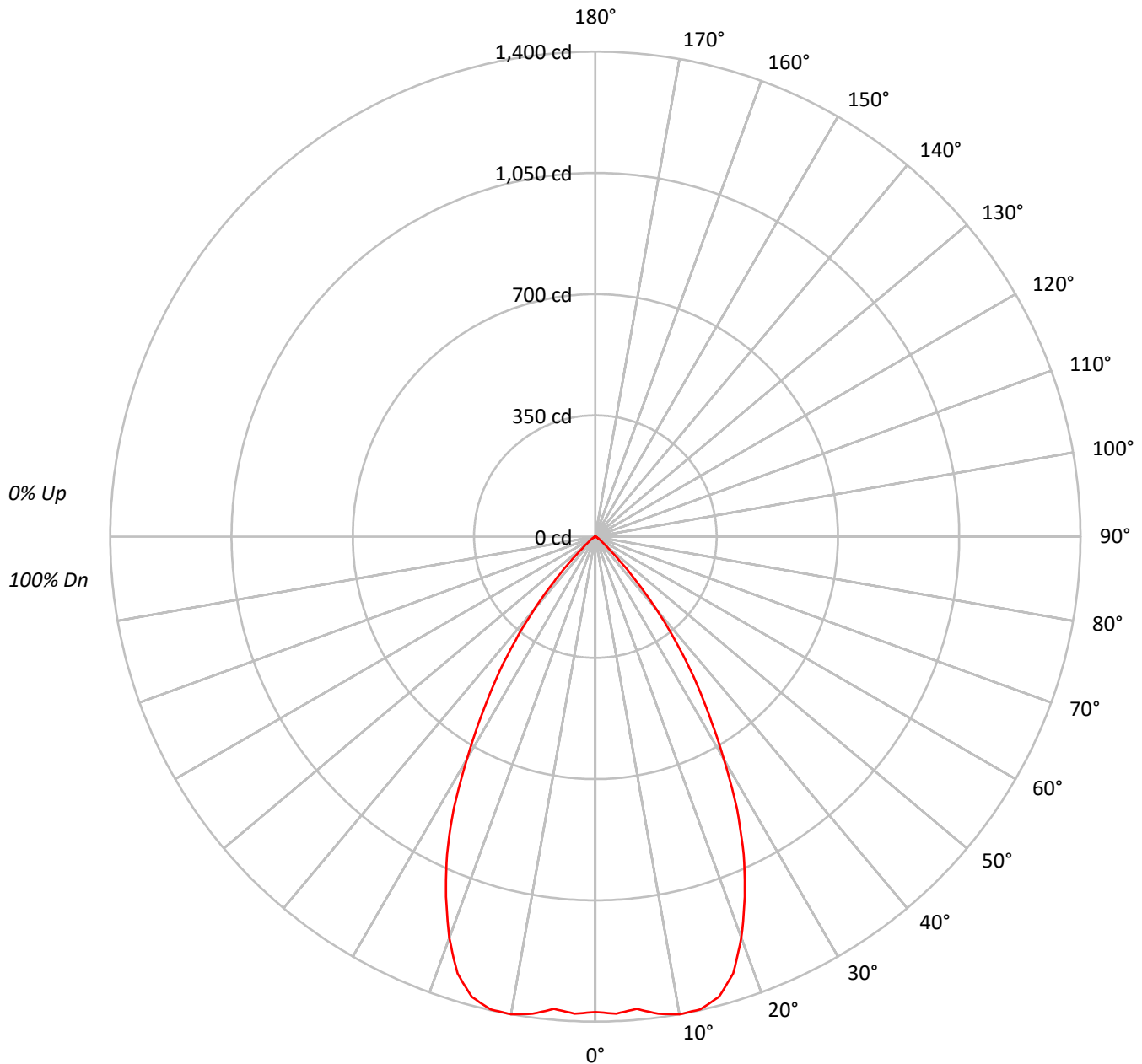
Downlight



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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				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	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	89	84	79	95	88	83	79	86	82	78		84	80	77		82
5	92	83	78	73	90	83	77	73	81	76	72		79	75	72		77
6	87	78	72	68	86	77	72	68	76	71	67		74	70	67		73
7	83	73	67	63	81	73	67	63	71	66	62		70	66	62		69
8	79	69	63	59	77	68	63	59	67	62	58		66	62	58		65
9	75	65	59	55	74	65	59	55	64	58	55		63	58	55		62
10	71	61	56	52	70	61	55	52	60	55	51		59	55	51		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	149949
5°	150084
10°	155358
15°	155624
20°	143271
25°	122075
30°	93462
35°	66024
40°	38966
45°	15823
50°	5728
55°	3200
60°	1836
65°	1008
70°	1054
75°	802
80°	881
85°	752

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15823 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.2	9.5
10°-20°	381.2	27.3
20°-30°	457.4	32.8
30°-40°	307.4	22.1
40°-50°	92.0	6.6
50°-60°	16.2	1.2
60°-70°	4.6	0.3
70°-80°	2.3	0.2
80°-90°	0.7	0.1
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°	970.8	69.6
0°-40°	1278.1	91.7
0°-60°	1386.4	99.5
0°-90°	1394.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1394.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1372	
5°	1368	132
15°	1376	381
25°	1013	457
35°	495	307
45°	102	92
55°	17	16
65°	4	5
75°	2	2
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1372.4
2.5°	1378.3
5°	1368.4
7.5°	1389.1
10°	1400.3
12.5°	1397.7
15°	1375.8
17.5°	1322.4
20°	1232.2
22.5°	1126.1
25°	1012.6
27.5°	884.5
30°	740.8
32.5°	610.5
35°	495.0
37.5°	380.9
40°	273.2
42.5°	178.5
45°	102.4
47.5°	54.2
50°	33.7
52.5°	23.4
55°	16.8
57.5°	12.1
60°	8.4
62.5°	5.4
65°	3.9
67.5°	3.5
70°	3.3
72.5°	2.5
75°	1.9
77.5°	1.8
80°	1.4
82.5°	1.0
85°	0.6
87.5°	0.4
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9

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

Scaled Data Report





— 0°-180°







(END OF REPORT)