

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: P761715

Luminaire Tested: LD6D15D010-EU6DR650215IC9027-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P761715
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-EU6DR650215IC9027-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1244.4 lumens
Efficiency: N/A
Efficacy: 78.8 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



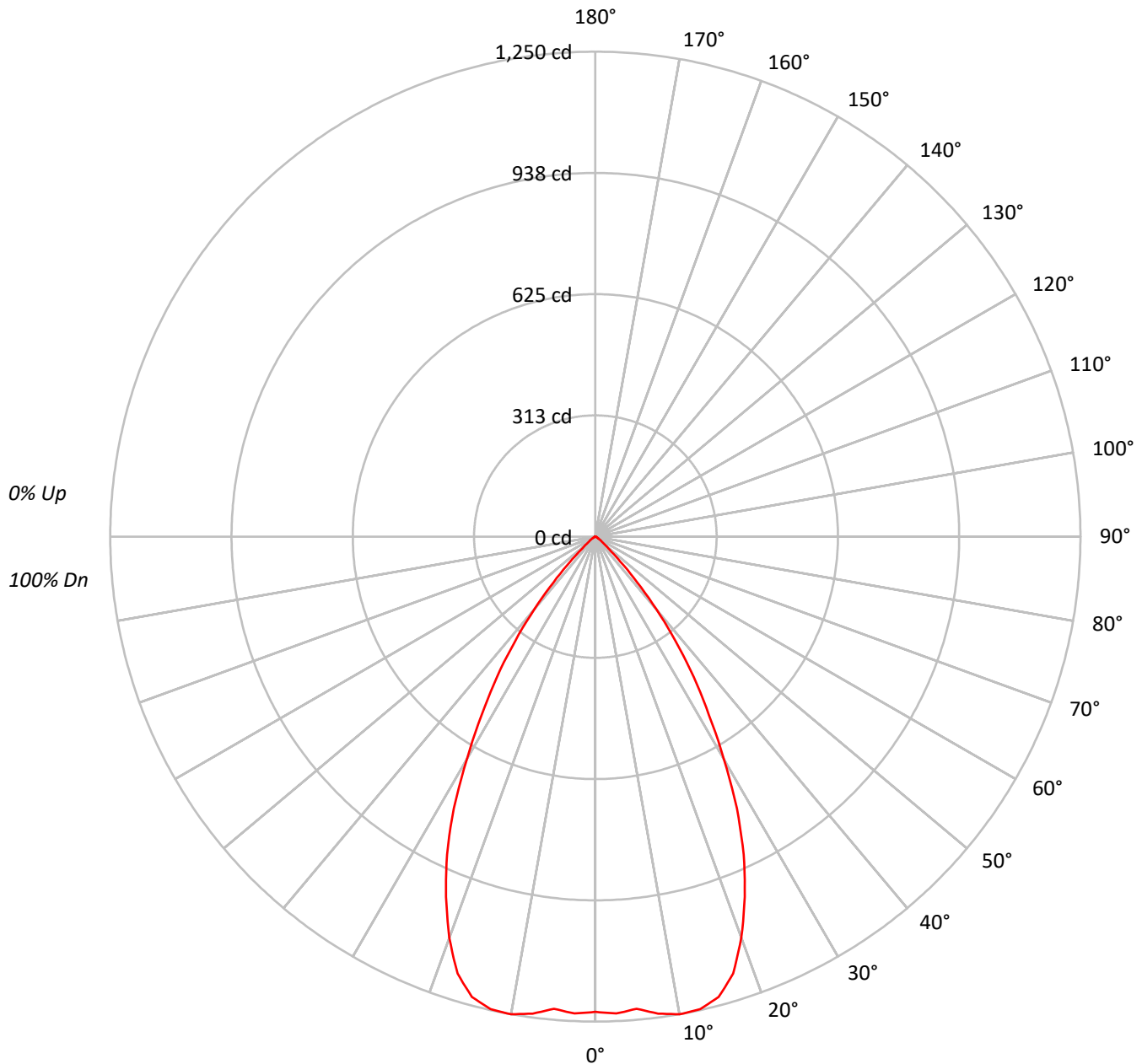
Downlight



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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°	133866
5°	133983
10°	138694
15°	138928
20°	127900
25°	108983
30°	83432
35°	58942
40°	34787
45°	14123
50°	5116
55°	2857
60°	1639
65°	905
70°	958
75°	718
80°	755
85°	627

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14123 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.0	9.5
10°-20°	340.3	27.3
20°-30°	408.3	32.8
30°-40°	274.4	22.0
40°-50°	82.1	6.6
50°-60°	14.5	1.2
60°-70°	4.2	0.3
70°-80°	2.0	0.2
80°-90°	0.6	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°	866.6	69.6
0°-40°	1141.0	91.7
0°-60°	1237.6	99.5
0°-90°	1244.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1244.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1225	
5°	1222	118
15°	1228	340
25°	904	408
35°	442	274
45°	91	82
55°	15	15
65°	4	4
75°	2	2
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1225.2
2.5°	1230.5
5°	1221.6
7.5°	1240.0
10°	1250.1
12.5°	1247.7
15°	1228.2
17.5°	1180.5
20°	1100.0
22.5°	1005.3
25°	904.0
27.5°	789.6
30°	661.3
32.5°	545.0
35°	441.9
37.5°	340.0
40°	243.9
42.5°	159.3
45°	91.4
47.5°	48.4
50°	30.1
52.5°	20.9
55°	15.0
57.5°	10.8
60°	7.5
62.5°	4.9
65°	3.5
67.5°	3.2
70°	3.0
72.5°	2.3
75°	1.7
77.5°	1.5
80°	1.2
82.5°	0.9
85°	0.5
87.5°	0.3
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)