

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: P759124

Luminaire Tested: LD6D08D010-EU6DR250210IC9040-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P759124
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D08D010-EU6DR250210IC9040-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 25° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 593.8 lumens
Efficiency: N/A
Efficacy: 66.7 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.45
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 8.9
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



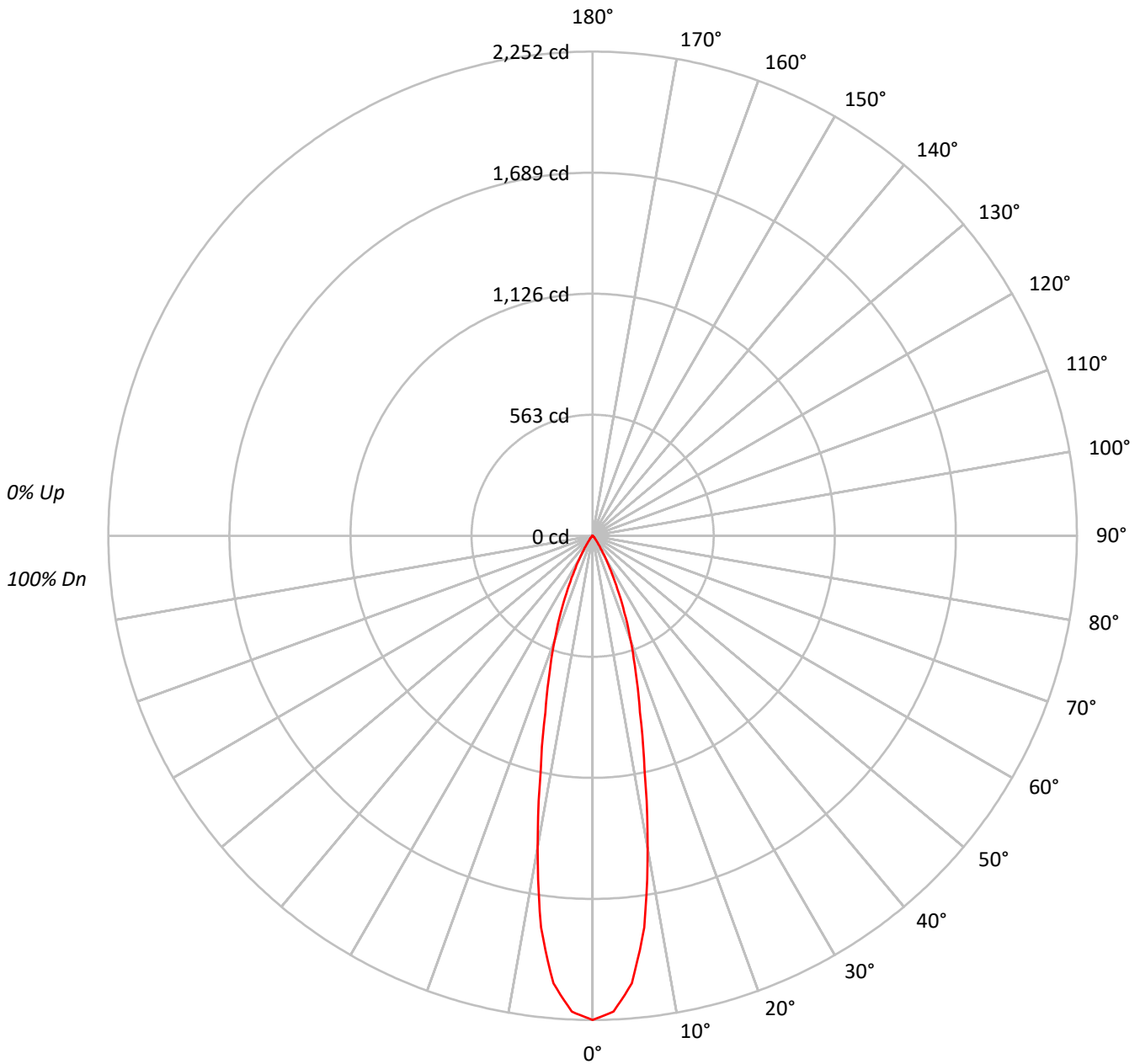
Downlight



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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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
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	97	93	90	102	96	93	90	94	91	89		93	90	88		91	89	87	85
5	100	93	89	86	98	93	89	86	91	87	85		89	86	84		88	85	83	82
6	97	90	85	82	95	89	85	82	88	84	81		87	83	81		85	83	80	79
7	93	87	82	79	92	86	82	79	85	81	78		84	80	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°
0°	246088
5°	229194
10°	163490
15°	96295
20°	59915
25°	32876
30°	15039
35°	5695
40°	2582
45°	1545
50°	646
55°	419
60°	284
65°	181
70°	32
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1545 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.6	30.2
10°-20°	243.2	41.0
20°-30°	128.7	21.7
30°-40°	31.8	5.4
40°-50°	7.8	1.3
50°-60°	2.1	0.3
60°-70°	0.7	0.1
70°-80°	0.0	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°	551.6	92.9
0°-40°	583.3	98.2
0°-60°	593.1	99.9
0°-90°	593.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	593.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2252	
5°	2090	180
15°	851	243
25°	273	129
35°	43	32
45°	10	8
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2252.3
2.5°	2215.3
5°	2089.7
7.5°	1837.5
10°	1473.6
12.5°	1114.0
15°	851.3
17.5°	663.4
20°	515.3
22.5°	386.5
25°	272.7
27.5°	182.9
30°	119.2
32.5°	72.5
35°	42.7
37.5°	26.1
40°	18.1
42.5°	13.8
45°	10.0
47.5°	6.1
50°	3.8
52.5°	2.8
55°	2.2
57.5°	1.7
60°	1.3
62.5°	1.0
65°	0.7
67.5°	0.3
70°	0.1
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

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

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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