

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: P772447

Luminaire Tested: LD6D80BD010-EU6DR6570959050-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772447
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D80BD010-EU6DR6570959050-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8818.0 lumens
Efficiency: N/A
Efficacy: 111.8 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

Input Watts (W): 78.9
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

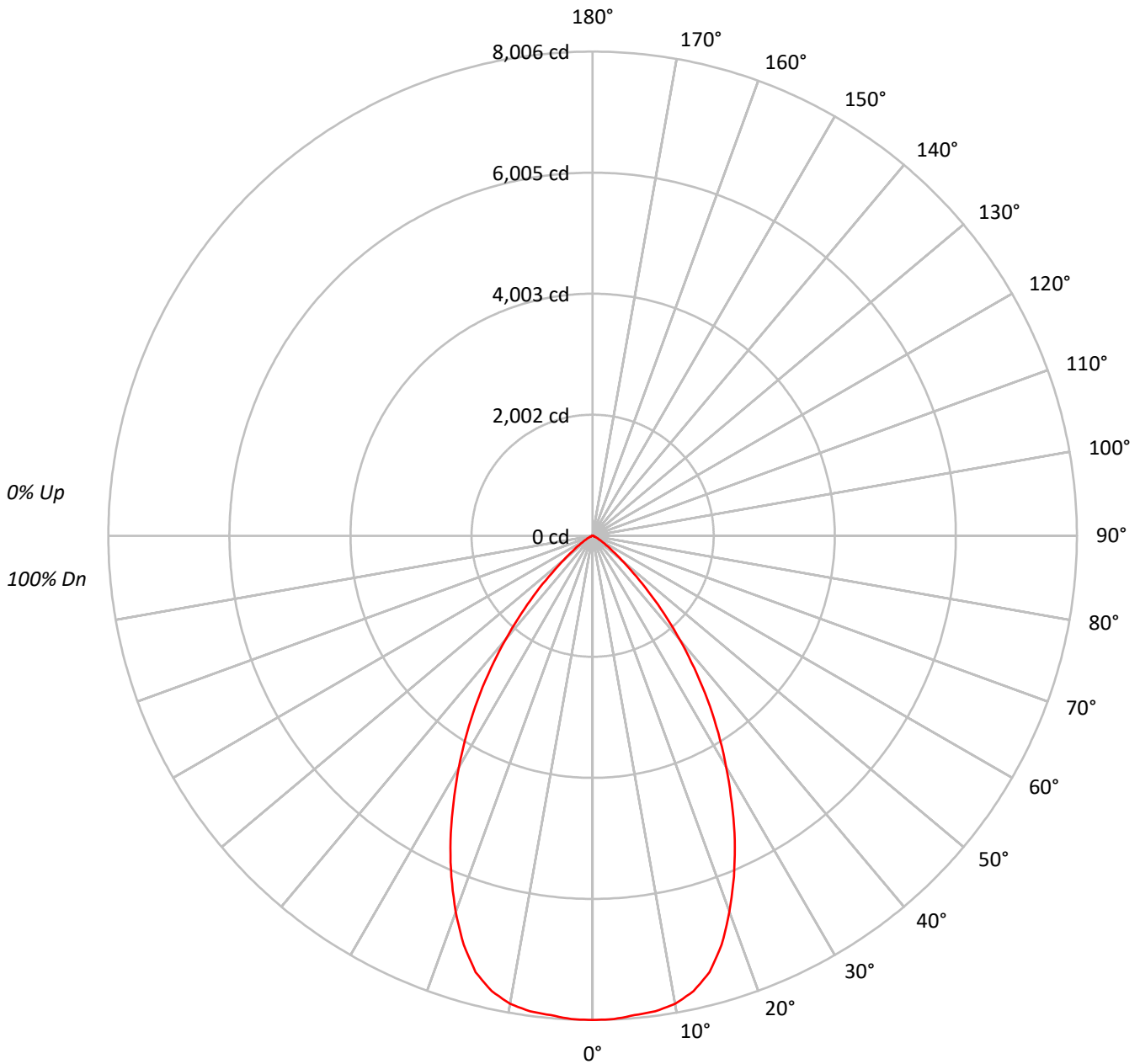


Downlight

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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			0	
RW	70	50	30	10	70	50	30	10	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	100	100	100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93	93	93	93
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85	85	85	85
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78	78	78	78
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72	72	72	72
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66	66	66	66
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61	61	61	61
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56	56	56	56
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52	52	52	52
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49	49	49	49
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46	46	46	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	467611
5°	466430
10°	466035
15°	451667
20°	411186
25°	358321
30°	298026
35°	236139
40°	170436
45°	107672
50°	56124
55°	29834
60°	15664
65°	8623
70°	3620
75°	3972
80°	2758
85°	2345

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 107672 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	757.2	8.6
10°-20°	2073.4	23.5
20°-30°	2534.4	28.7
30°-40°	2056.3	23.3
40°-50°	1024.7	11.6
50°-60°	285.8	3.2
60°-70°	65.0	0.7
70°-80°	16.9	0.2
80°-90°	4.3	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°	5365.0	60.8
0°-40°	7421.3	84.2
0°-60°	8731.8	99.0
0°-90°	8818.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8818.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8006	
5°	7956	757
15°	7470	2073
25°	5560	2534
35°	3312	2056
45°	1304	1025
55°	293	286
65°	62	65
75°	18	17
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8006.5
2.5°	8000.6
5°	7955.9
7.5°	7930.0
10°	7858.3
12.5°	7712.4
15°	7470.0
17.5°	7091.1
20°	6615.8
22.5°	6102.8
25°	5560.4
27.5°	4980.4
30°	4419.2
32.5°	3865.0
35°	3312.0
37.5°	2760.2
40°	2235.5
42.5°	1743.7
45°	1303.6
47.5°	908.3
50°	617.7
52.5°	425.9
55°	293.0
57.5°	197.7
60°	134.1
62.5°	92.9
65°	62.4
67.5°	31.8
70°	21.2
72.5°	20.0
75°	17.6
77.5°	11.8
80°	8.2
82.5°	5.9
85°	3.5
87.5°	2.4
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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(END OF REPORT)