

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



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: P773945

Luminaire Tested: LD6D90BD010-EU6DR6570959024-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773945
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: LD6D90BD010-EU6DR6570959024-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8198.0 lumens
Efficiency: N/A
Efficacy: 82.9 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): 98.9
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

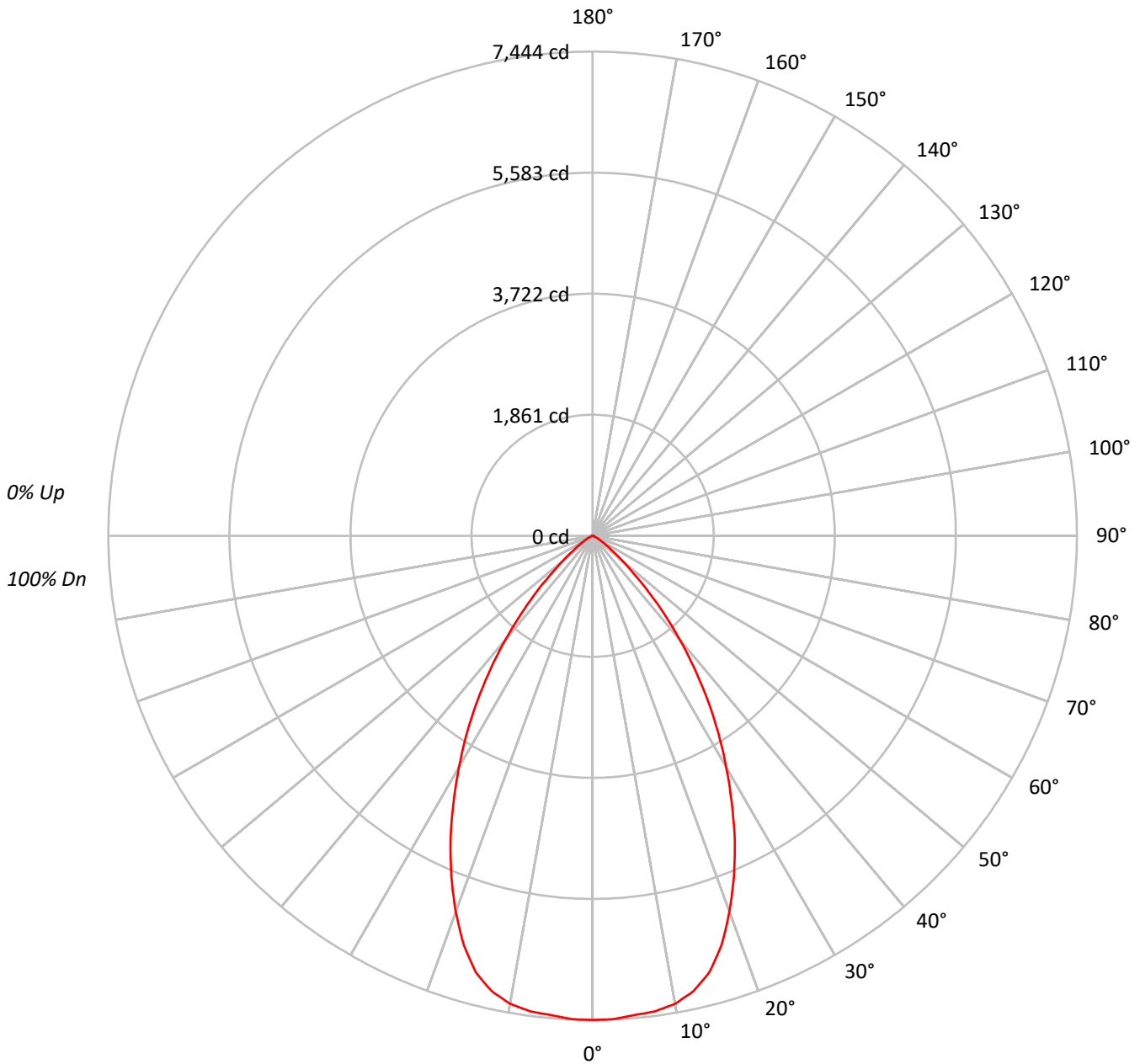


Downlight

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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°	434729
5°	433634
10°	433263
15°	419905
20°	382273
25°	333124
30°	277066
35°	219534
40°	158451
45°	100106
50°	52181
55°	27737
60°	14566
65°	8015
70°	3364
75°	3701
80°	2590
85°	2211

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 100106 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	703.9	8.6
10°-20°	1927.6	23.5
20°-30°	2356.2	28.7
30°-40°	1911.7	23.3
40°-50°	952.7	11.6
50°-60°	265.7	3.2
60°-70°	60.4	0.7
70°-80°	15.7	0.2
80°-90°	4.0	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°	4987.7	60.8
0°-40°	6899.4	84.2
0°-60°	8117.8	99.0
0°-90°	8198.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8198.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7444	
5°	7396	704
15°	6945	1928
25°	5169	2356
35°	3079	1912
45°	1212	953
55°	272	266
65°	58	60
75°	16	16
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7443.5
2.5°	7438.0
5°	7396.5
7.5°	7372.4
10°	7305.7
12.5°	7170.0
15°	6944.7
17.5°	6592.5
20°	6150.6
22.5°	5673.7
25°	5169.4
27.5°	4630.2
30°	4108.4
32.5°	3593.2
35°	3079.1
37.5°	2566.1
40°	2078.3
42.5°	1621.1
45°	1212.0
47.5°	844.4
50°	574.3
52.5°	396.0
55°	272.4
57.5°	183.8
60°	124.7
62.5°	86.4
65°	58.0
67.5°	29.5
70°	19.7
72.5°	18.6
75°	16.4
77.5°	10.9
80°	7.7
82.5°	5.5
85°	3.3
87.5°	2.2
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)