

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: P755058

Luminaire Tested: LD4D85BD010-EU4DR6070959035-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P755058
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D85BD010-EU4DR6070959035-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7435.5 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 87.7
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

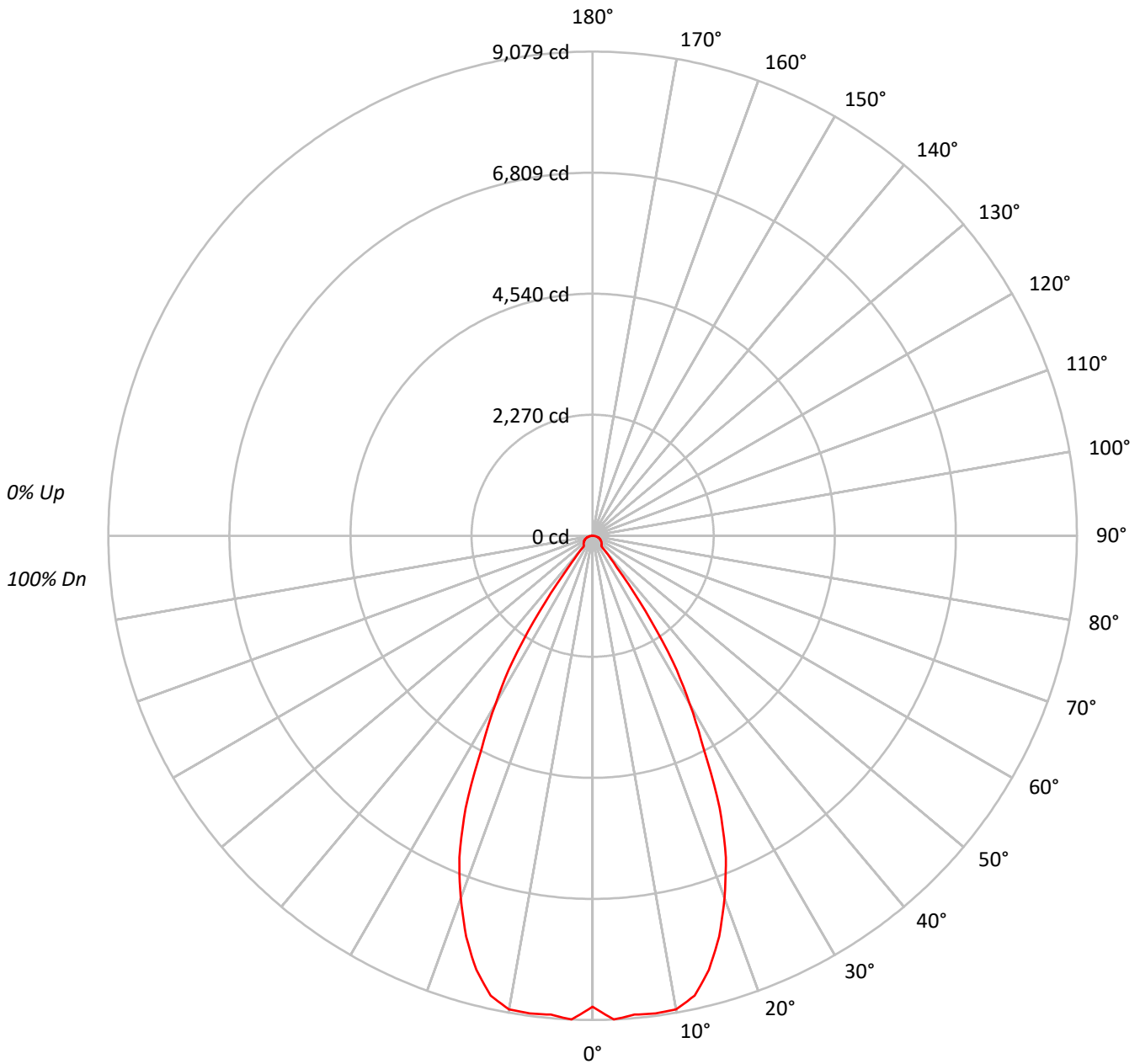


Downlight

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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93		
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86		
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80		
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70		
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66		
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62		
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59		
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55		
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	964838
5°	988562
10°	1000502
15°	953119
20°	840351
25°	679706
30°	459765
35°	230392
40°	37369
45°	36574
50°	37311
55°	37869
60°	38919
65°	39814
70°	40763
75°	41244
80°	39766
85°	33096

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 41244 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	861.4	11.6
10°-20°	2330.7	31.3
20°-30°	2507.6	33.7
30°-40°	1090.0	14.7
40°-50°	183.1	2.5
50°-60°	178.0	2.4
60°-70°	152.3	2.0
70°-80°	101.9	1.4
80°-90°	30.5	0.4
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°	5699.8	76.7
0°-40°	6789.8	91.3
0°-60°	7150.9	96.2
0°-90°	7435.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7435.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8831	
5°	9013	861
15°	8426	2331
25°	5638	2508
35°	1727	1090
45°	237	183
55°	199	178
65°	154	152
75°	98	102
85°	26	30
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8830.6
2.5°	9078.8
5°	9013.3
7.5°	9034.0
10°	9017.9
12.5°	8831.7
15°	8426.1
17.5°	7881.3
20°	7227.4
22.5°	6527.6
25°	5638.1
27.5°	4509.5
30°	3644.2
32.5°	2808.7
35°	1727.3
37.5°	738.9
40°	262.0
42.5°	241.3
45°	236.7
47.5°	228.7
50°	219.5
52.5°	209.2
55°	198.8
57.5°	188.5
60°	178.1
62.5°	166.6
65°	154.0
67.5°	141.4
70°	127.6
72.5°	112.6
75°	97.7
77.5°	80.4
80°	63.2
82.5°	44.8
85°	26.4
87.5°	9.2
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)