

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: P755072

Luminaire Tested: LD4D85BD010-EU4DR6070959040-4LBS1B

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P755072
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-60)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D85BD010-EU4DR6070959040-4LBS1B
Description: 4 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8477.2 lumens
Efficiency: N/A
Efficacy: 96.7 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): 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

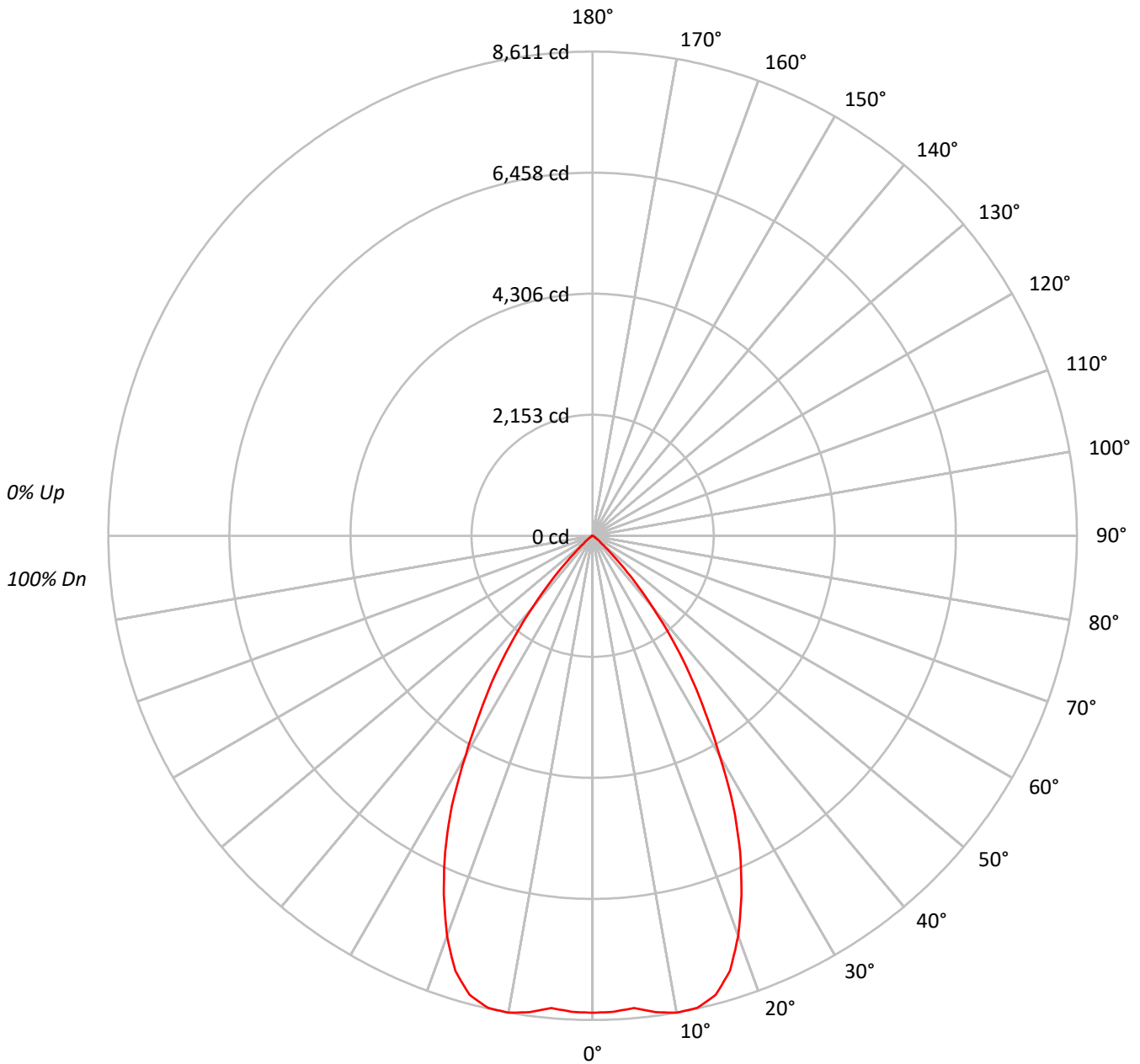


Downlight

TEST NUMBER: P755072

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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																			
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94																			
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89	87																			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81																			
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77	75																			
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70																			
6	87	79	73	68	86	78	72	68	76	71	68	75	70	67	74	70	67	65																			
7	83	74	68	63	82	73	67	63	72	67	63	71	66	63	69	65	62	61																			
8	79	69	63	59	78	69	63	59	68	63	59	67	62	59	66	61	58	57																			
9	75	65	59	55	74	65	59	55	64	59	55	63	58	55	62	58	55	53																			
10	72	62	56	52	71	61	56	52	61	55	52	60	55	52	59	55	52	50																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	926914
5°	924641
10°	955358
15°	956343
20°	879941
25°	748447
30°	570297
35°	403283
40°	236822
45°	95554
50°	31905
55°	15354
60°	6315
65°	931
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 95554 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	813.3	9.6
10°-20°	2342.2	27.6
20°-30°	2803.3	33.1
30°-40°	1875.0	22.1
40°-50°	555.9	6.6
50°-60°	79.9	0.9
60°-70°	7.6	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°	5958.8	70.3
0°-40°	7833.8	92.4
0°-60°	8469.6	99.9
0°-90°	8477.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8477.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8484	
5°	8430	813
15°	8455	2342
25°	6208	2803
35°	3024	1875
45°	618	556
55°	81	80
65°	4	8
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8483.5
2.5°	8472.6
5°	8430.5
7.5°	8544.8
10°	8611.0
12.5°	8599.0
15°	8454.6
17.5°	8114.1
20°	7567.9
22.5°	6912.1
25°	6208.3
27.5°	5415.4
30°	4520.3
32.5°	3721.4
35°	3023.5
37.5°	2324.5
40°	1660.4
42.5°	1094.9
45°	618.4
47.5°	316.4
50°	187.7
52.5°	121.5
55°	80.6
57.5°	51.7
60°	28.9
62.5°	12.0
65°	3.6
67.5°	1.2
70°	0.0
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

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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)