

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: P755945

Luminaire Tested: LD4D90BD010-EU4DR6570959050-4LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P755945
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: LD4D90BD010-EU4DR6570959050-4LBS1LI
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8867.9 lumens
Efficiency: N/A
Efficacy: 89.7 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

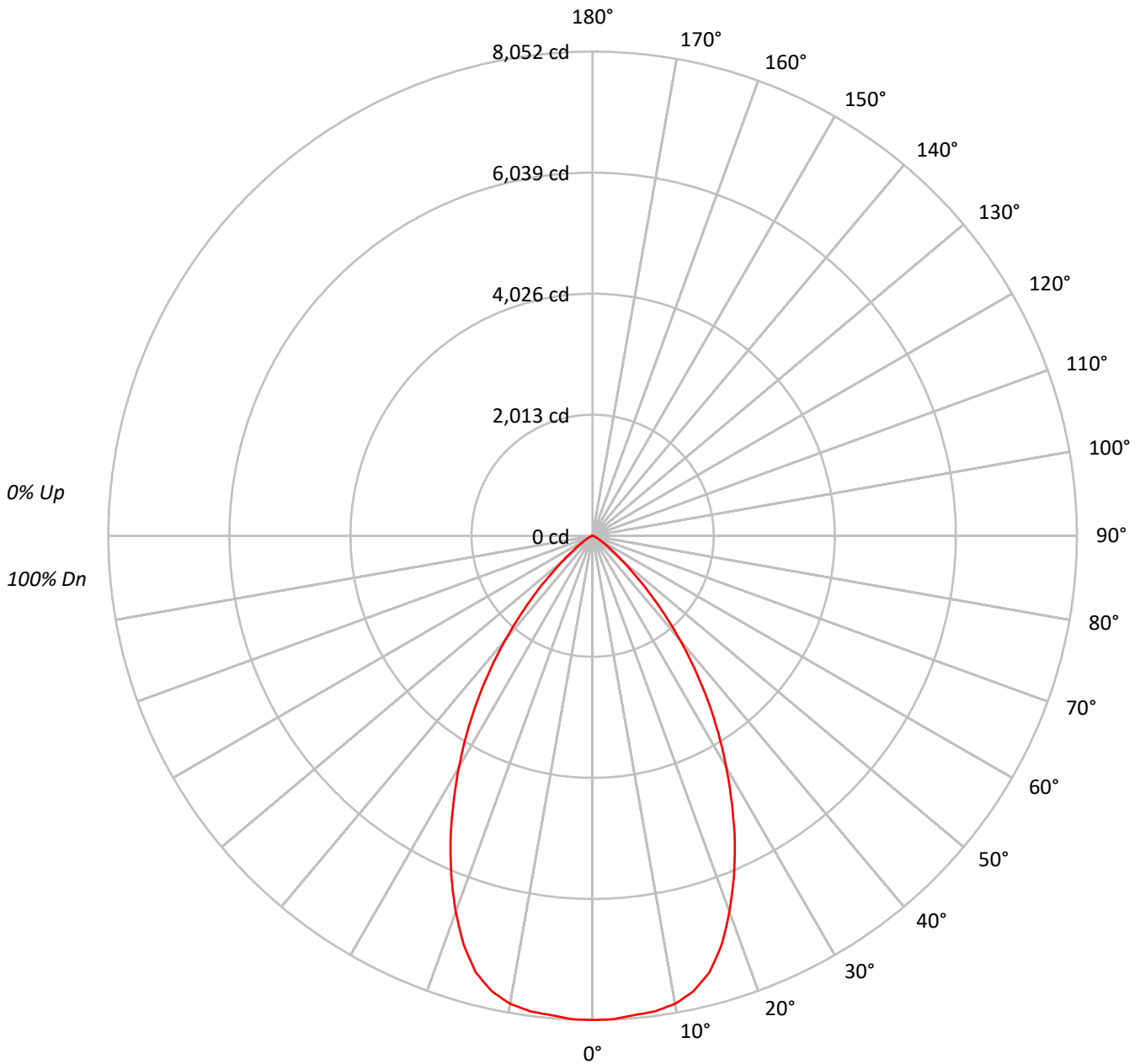


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93																			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85																			
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78																			
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72																			
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66																			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61																			
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56																			
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52																			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49																			
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	470262
5°	469074
10°	468674
15°	454225
20°	413517
25°	360357
30°	299712
35°	237479
40°	171397
45°	108283
50°	56442
55°	29997
60°	15757
65°	8665
70°	3637
75°	3994
80°	2792
85°	2345

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 108283 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	761.5	8.6
10°-20°	2085.1	23.5
20°-30°	2548.8	28.7
30°-40°	2068.0	23.3
40°-50°	1030.5	11.6
50°-60°	287.4	3.2
60°-70°	65.3	0.7
70°-80°	17.0	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°	5395.4	60.8
0°-40°	7463.4	84.2
0°-60°	8781.3	99.0
0°-90°	8867.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8867.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8052	
5°	8001	761
15°	7512	2085
25°	5592	2549
35°	3331	2068
45°	1311	1031
55°	295	287
65°	63	65
75°	18	17
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8051.9
2.5°	8046.0
5°	8001.0
7.5°	7975.0
10°	7902.8
12.5°	7756.1
15°	7512.3
17.5°	7131.3
20°	6653.3
22.5°	6137.4
25°	5592.0
27.5°	5008.6
30°	4444.2
32.5°	3886.9
35°	3330.8
37.5°	2775.9
40°	2248.1
42.5°	1753.5
45°	1311.0
47.5°	913.5
50°	621.2
52.5°	428.3
55°	294.6
57.5°	198.8
60°	134.9
62.5°	93.5
65°	62.7
67.5°	31.9
70°	21.3
72.5°	20.1
75°	17.7
77.5°	11.8
80°	8.3
82.5°	5.9
85°	3.5
87.5°	2.4
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)