

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: P755175

Luminaire Tested: LD4D85BD010-EU4DR7070959024-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P755175
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D85BD010-EU4DR7070959024-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5473.7 lumens
Efficiency: N/A
Efficacy: 62.4 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

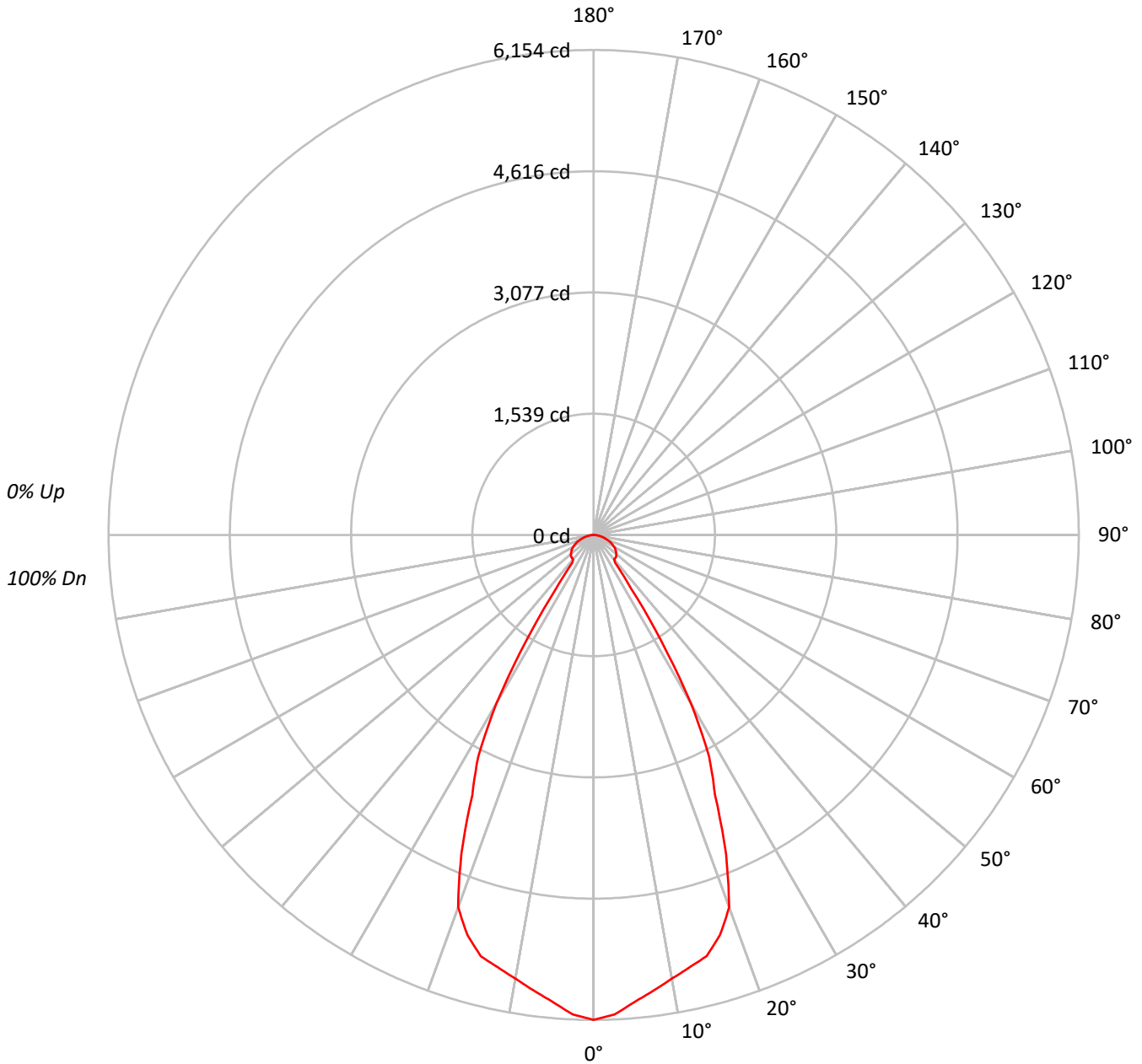
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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		
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91	
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83	
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76	
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70	
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65	
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61	
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57	
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53	
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50	
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	672402
5°	652420
10°	634235
15°	625911
20°	584469
25°	439089
30°	310400
35°	109947
40°	57808
45°	61575
50°	63759
55°	64957
60°	65360
65°	63987
70°	60377
75°	55935
80°	49644
85°	40367

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 65378 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	561.1	10.3
10°-20°	1539.0	28.1
20°-30°	1695.0	31.0
30°-40°	647.6	11.8
40°-50°	305.8	5.6
50°-60°	304.0	5.6
60°-70°	243.4	4.4
70°-80°	139.9	2.6
80°-90°	38.0	0.7
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°	3795.0	69.3
0°-40°	4442.7	81.2
0°-60°	5052.4	92.3
0°-90°	5473.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5473.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6154	
5°	5948	561
15°	5533	1539
25°	3642	1695
35°	824	648
45°	398	306
55°	341	304
65°	248	243
75°	132	140
85°	32	38
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6154.1
2.5°	6089.7
5°	5948.5
7.5°	5830.6
10°	5716.6
12.5°	5620.1
15°	5533.4
17.5°	5323.9
20°	5026.7
22.5°	4385.6
25°	3642.2
27.5°	3170.6
30°	2460.3
32.5°	1589.2
35°	824.3
37.5°	445.3
40°	405.3
42.5°	402.4
45°	398.5
47.5°	389.7
50°	375.1
52.5°	358.6
55°	341.0
57.5°	321.5
60°	299.1
62.5°	273.8
65°	247.5
67.5°	218.3
70°	189.0
72.5°	159.8
75°	132.5
77.5°	104.3
80°	78.9
82.5°	55.5
85°	32.2
87.5°	12.7
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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