

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: P755099

Luminaire Tested: LD4D85BD010-EU4DR6570959024-4LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P755099
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: LD4D85BD010-EU4DR6570959024-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6403.5 lumens
Efficiency: N/A
Efficacy: 73.0 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

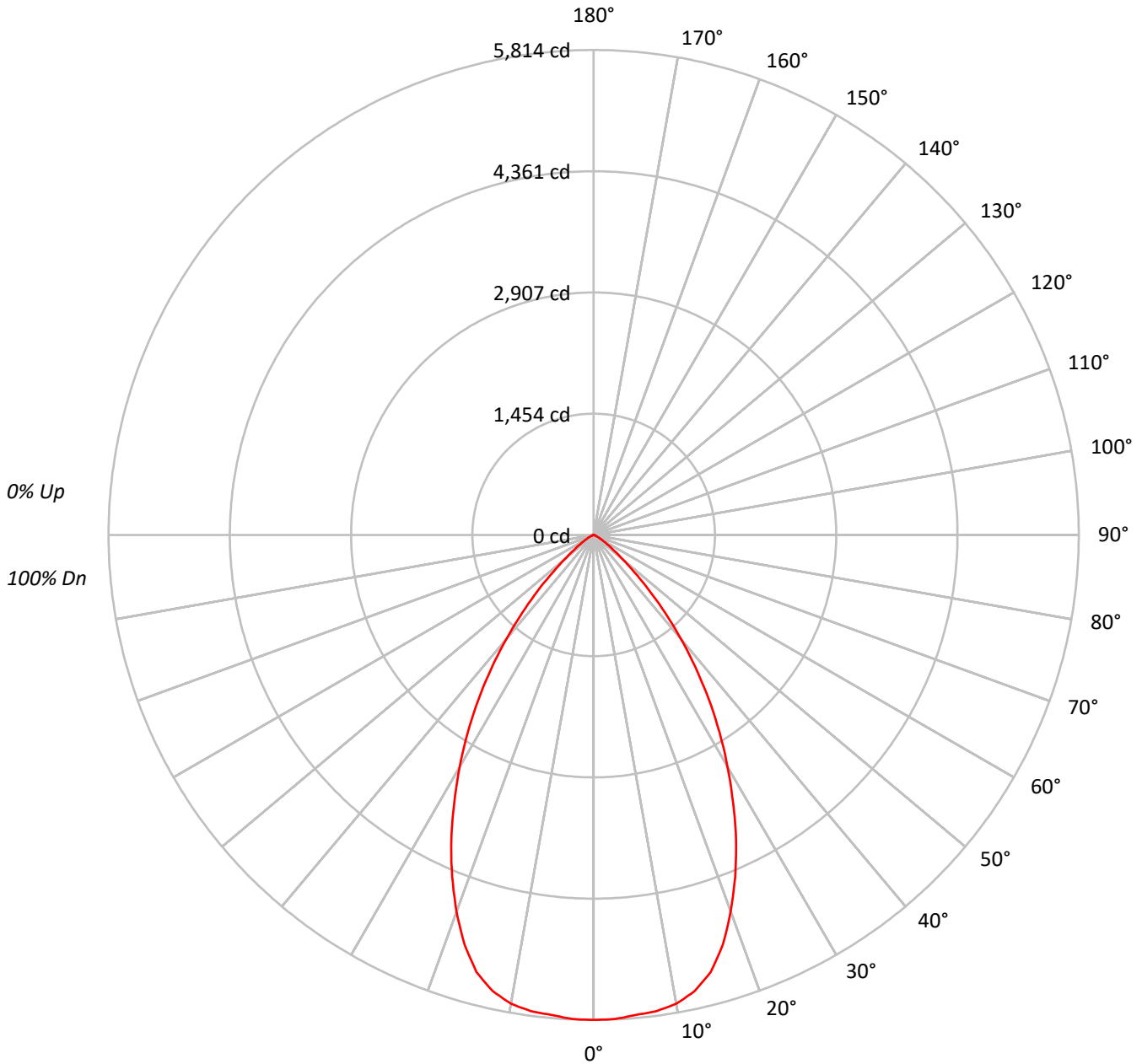
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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			100																
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93			93																
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85			85																
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78			78																
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72			72																
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66			66																
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61			61																
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56			56																
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			52																
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49			49																
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46			46																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	339572
5°	338711
10°	338423
15°	327994
20°	298597
25°	260208
30°	216418
35°	171479
40°	123769
45°	78193
50°	40760
55°	21658
60°	11377
65°	6260
70°	2630
75°	2888
80°	2018
85°	1742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 78193 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	549.8	8.6
10°-20°	1505.7	23.5
20°-30°	1840.4	28.7
30°-40°	1493.3	23.3
40°-50°	744.1	11.6
50°-60°	207.5	3.2
60°-70°	47.2	0.7
70°-80°	12.3	0.2
80°-90°	3.2	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°	3895.9	60.8
0°-40°	5389.2	84.2
0°-60°	6340.9	99.0
0°-90°	6403.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6403.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5814	
5°	5777	550
15°	5425	1506
25°	4038	1840
35°	2405	1493
45°	947	744
55°	213	208
65°	45	47
75°	13	12
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5814.2
2.5°	5809.9
5°	5777.4
7.5°	5758.6
10°	5706.5
12.5°	5600.6
15°	5424.6
17.5°	5149.5
20°	4804.3
22.5°	4431.8
25°	4037.9
27.5°	3616.7
30°	3209.1
32.5°	2806.7
35°	2405.1
37.5°	2004.4
40°	1623.4
42.5°	1266.2
45°	946.7
47.5°	659.6
50°	448.6
52.5°	309.3
55°	212.7
57.5°	143.5
60°	97.4
62.5°	67.5
65°	45.3
67.5°	23.1
70°	15.4
72.5°	14.5
75°	12.8
77.5°	8.5
80°	6.0
82.5°	4.3
85°	2.6
87.5°	1.7
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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(END OF REPORT)