

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: P754332

Luminaire Tested: LD4D80BD010-EU4DR6570959027-4LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P754332
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: LD4D80BD010-EU4DR6570959027-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6813.7 lumens
Efficiency: N/A
Efficacy: 86.4 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

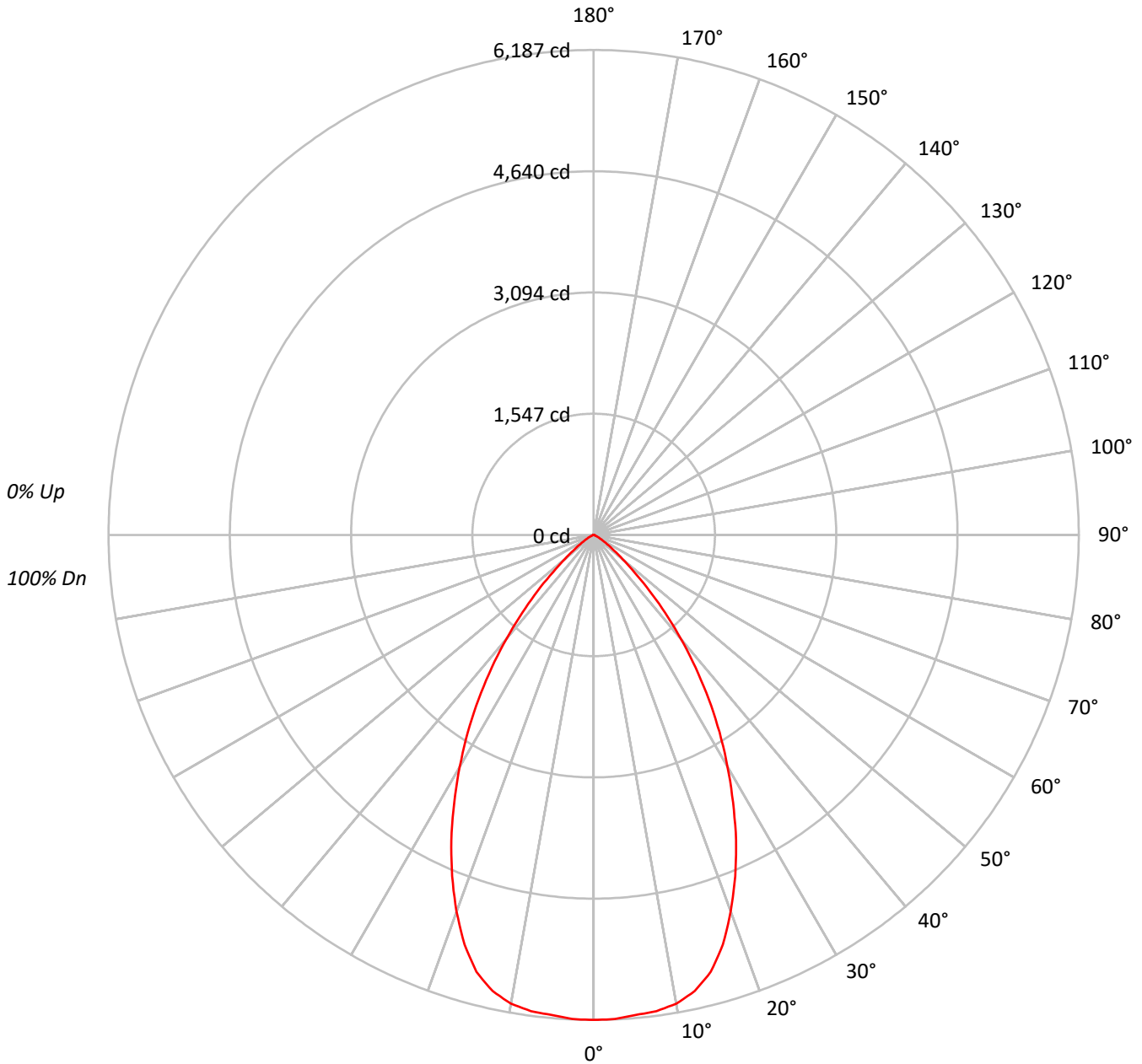
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	361327
5°	360415
10°	360111
15°	349005
20°	317728
25°	276880
30°	230284
35°	182466
40°	131698
45°	83198
50°	43368
55°	23053
60°	12101
65°	6661
70°	2800
75°	3069
80°	2153
85°	1809

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 83198 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	585.1	8.6
10°-20°	1602.1	23.5
20°-30°	1958.4	28.7
30°-40°	1588.9	23.3
40°-50°	791.8	11.6
50°-60°	220.8	3.2
60°-70°	50.2	0.7
70°-80°	13.1	0.2
80°-90°	3.3	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°	4145.6	60.8
0°-40°	5734.5	84.2
0°-60°	6747.1	99.0
0°-90°	6813.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6813.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6187	
5°	6148	585
15°	5772	1602
25°	4297	1958
35°	2559	1589
45°	1007	792
55°	226	221
65°	48	50
75°	14	13
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6186.7
2.5°	6182.2
5°	6147.6
7.5°	6127.6
10°	6072.2
12.5°	5959.4
15°	5772.1
17.5°	5479.4
20°	5112.1
22.5°	4715.7
25°	4296.6
27.5°	3848.4
30°	3414.7
32.5°	2986.5
35°	2559.2
37.5°	2132.8
40°	1727.4
42.5°	1347.3
45°	1007.3
47.5°	701.9
50°	477.3
52.5°	329.1
55°	226.4
57.5°	152.7
60°	103.6
62.5°	71.8
65°	48.2
67.5°	24.5
70°	16.4
72.5°	15.5
75°	13.6
77.5°	9.1
80°	6.4
82.5°	4.5
85°	2.7
87.5°	1.8
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)