

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: P754358

Luminaire Tested: LD4D80BD010-EU4DR6570959035-4LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P754358
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-EU4DR6570959035-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7093.6 lumens
Efficiency: N/A
Efficacy: 89.9 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

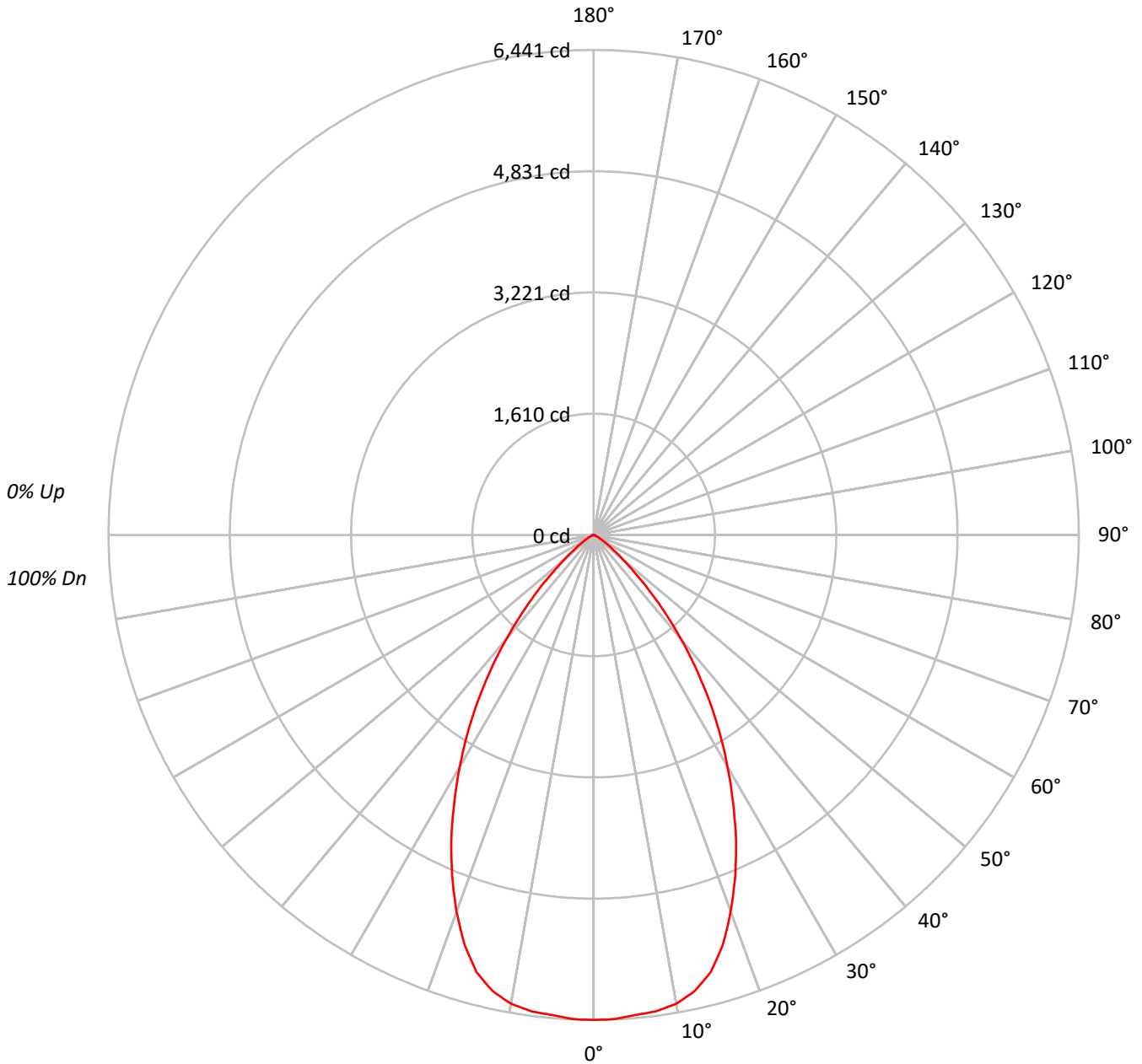


Downlight

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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°	376168
5°	375218
10°	374896
15°	363341
20°	330780
25°	288253
30°	239746
35°	189959
40°	137104
45°	86618
50°	45148
55°	24000
60°	12604
65°	6937
70°	2903
75°	3204
80°	2220
85°	1876

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 86618 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	609.1	8.6
10°-20°	1667.9	23.5
20°-30°	2038.8	28.7
30°-40°	1654.2	23.3
40°-50°	824.3	11.6
50°-60°	229.9	3.2
60°-70°	52.3	0.7
70°-80°	13.6	0.2
80°-90°	3.5	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°	4315.8	60.8
0°-40°	5970.0	84.2
0°-60°	7024.3	99.0
0°-90°	7093.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7093.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6441	
5°	6400	609
15°	6009	1668
25°	4473	2039
35°	2664	1654
45°	1049	824
55°	236	230
65°	50	52
75°	14	14
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6440.8
2.5°	6436.1
5°	6400.1
7.5°	6379.3
10°	6321.5
12.5°	6204.2
15°	6009.2
17.5°	5704.4
20°	5322.1
22.5°	4909.4
25°	4473.1
27.5°	4006.5
30°	3555.0
32.5°	3109.2
35°	2664.3
37.5°	2220.4
40°	1798.3
42.5°	1402.7
45°	1048.7
47.5°	730.7
50°	496.9
52.5°	342.6
55°	235.7
57.5°	159.0
60°	107.9
62.5°	74.8
65°	50.2
67.5°	25.6
70°	17.0
72.5°	16.1
75°	14.2
77.5°	9.5
80°	6.6
82.5°	4.7
85°	2.8
87.5°	1.9
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)