

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: P741783

Luminaire Tested: LD4D08D010-EU4DR700210IC9050-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P741783
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: LD4D08D010-EU4DR700210IC9050-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 499.6 lumens
Efficiency: N/A
Efficacy: 56.1 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): 8.9
Input Voltage (V): NR
Input Current (Ain): 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

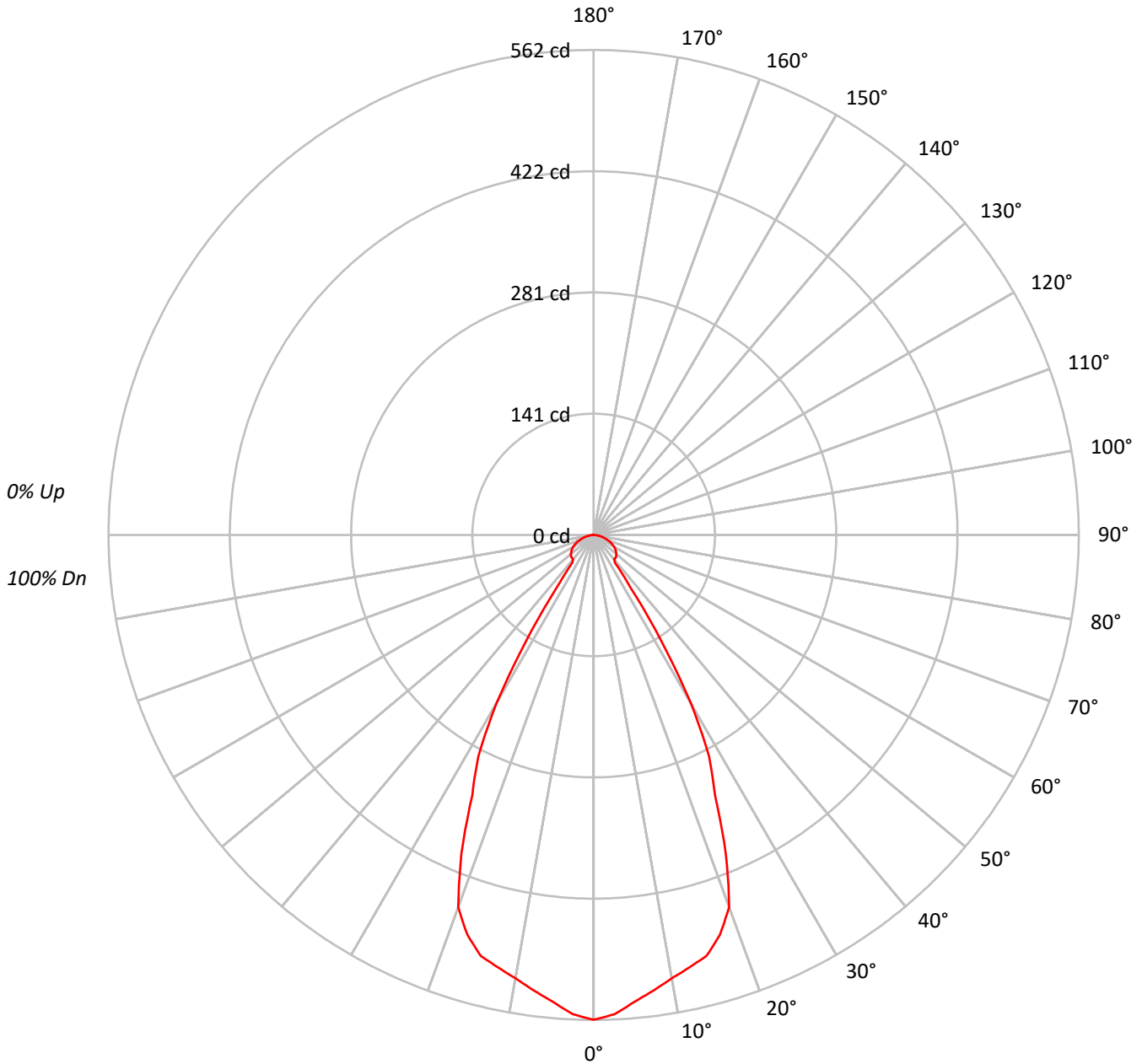


Downlight



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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	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	88	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	53	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	61383
5°	59555
10°	57892
15°	57134
20°	53358
25°	40085
30°	28336
35°	10030
40°	5277
45°	5624
50°	5830
55°	5924
60°	5966
65°	5843
70°	5495
75°	5108
80°	4530
85°	3636

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 60°
 Luminance: 5966 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.2	10.3
10°-20°	140.5	28.1
20°-30°	154.7	31.0
30°-40°	59.1	11.8
40°-50°	27.9	5.6
50°-60°	27.7	5.6
60°-70°	22.2	4.4
70°-80°	12.8	2.6
80°-90°	3.4	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°	346.5	69.3
0°-40°	405.6	81.2
0°-60°	461.2	92.3
0°-90°	499.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	499.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	562	
5°	543	51
15°	505	140
25°	332	155
35°	75	59
45°	36	28
55°	31	28
65°	23	22
75°	12	13
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	561.8
2.5°	555.9
5°	543.0
7.5°	532.3
10°	521.8
12.5°	513.1
15°	505.1
17.5°	486.0
20°	458.9
22.5°	400.4
25°	332.5
27.5°	289.5
30°	224.6
32.5°	145.1
35°	75.2
37.5°	40.6
40°	37.0
42.5°	36.7
45°	36.4
47.5°	35.6
50°	34.3
52.5°	32.7
55°	31.1
57.5°	29.3
60°	27.3
62.5°	25.0
65°	22.6
67.5°	19.9
70°	17.2
72.5°	14.6
75°	12.1
77.5°	9.5
80°	7.2
82.5°	5.0
85°	2.9
87.5°	1.1
90°	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)