

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: P741731

Luminaire Tested: LD4D08D010-EU4DR700210IC9027-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P741731
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-EU4DR700210IC9027-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 451.3 lumens
Efficiency: N/A
Efficacy: 50.7 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

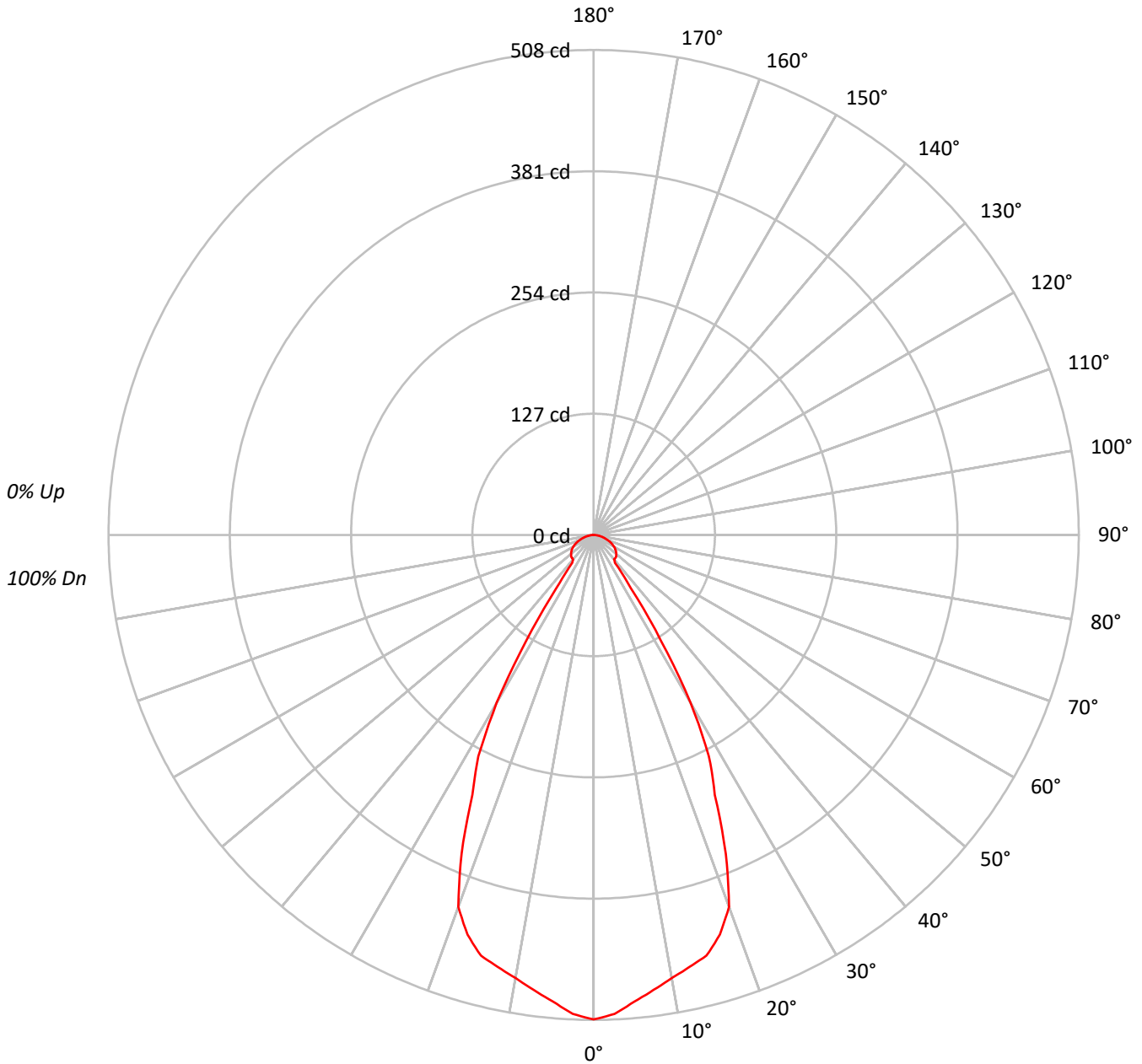


Downlight



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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	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	55450
5°	53808
10°	52300
15°	51614
20°	48195
25°	36203
30°	25599
35°	9070
40°	4764
45°	5084
50°	5252
55°	5353
60°	5397
65°	5274
70°	4984
75°	4601
80°	4090
85°	3259

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 60°
 Luminance: 5397 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.3	10.3
10°-20°	126.9	28.1
20°-30°	139.8	31.0
30°-40°	53.4	11.8
40°-50°	25.2	5.6
50°-60°	25.1	5.6
60°-70°	20.1	4.4
70°-80°	11.5	2.6
80°-90°	3.1	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°	312.9	69.3
0°-40°	366.3	81.2
0°-60°	416.6	92.3
0°-90°	451.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	451.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	508	
5°	491	46
15°	456	127
25°	300	140
35°	68	53
45°	33	25
55°	28	25
65°	20	20
75°	11	12
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	507.5
2.5°	502.2
5°	490.6
7.5°	480.8
10°	471.4
12.5°	463.5
15°	456.3
17.5°	439.1
20°	414.5
22.5°	361.6
25°	300.3
27.5°	261.4
30°	202.9
32.5°	131.0
35°	68.0
37.5°	36.7
40°	33.4
42.5°	33.2
45°	32.9
47.5°	32.1
50°	30.9
52.5°	29.6
55°	28.1
57.5°	26.5
60°	24.7
62.5°	22.6
65°	20.4
67.5°	18.0
70°	15.6
72.5°	13.2
75°	10.9
77.5°	8.6
80°	6.5
82.5°	4.6
85°	2.6
87.5°	1.0
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)