

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: P744572

Luminaire Tested: LD4D20D010-EU4DR6020359024-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P744572
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D20D010-EU4DR6020359024-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1287.3 lumens
Efficiency: N/A
Efficacy: 55.7 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 23.1
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



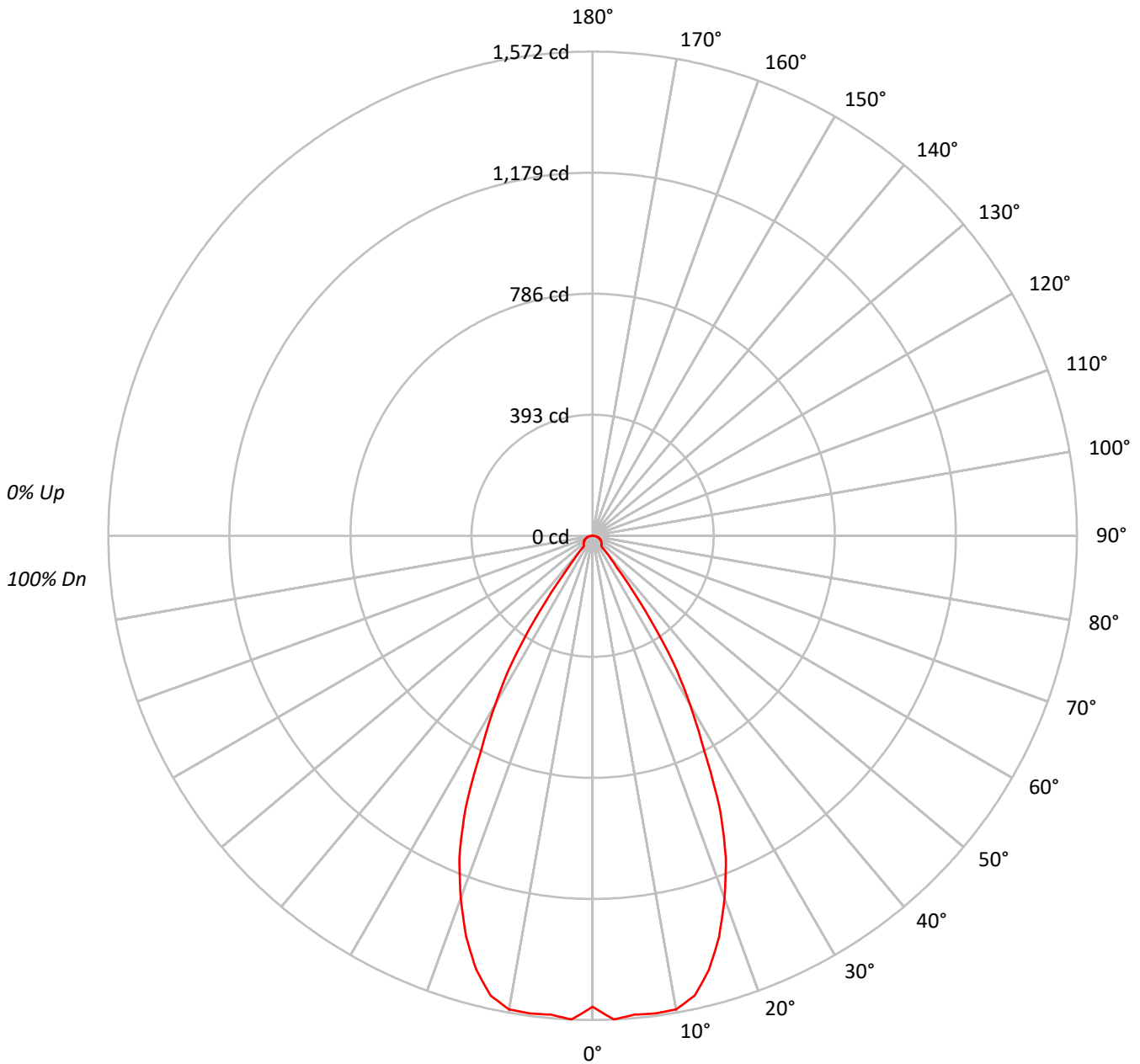
Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93		
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86		
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80		
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70		
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66		
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62		
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59		
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55		
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	167049
5°	171153
10°	173220
15°	165012
20°	145492
25°	117675
30°	79597
35°	39895
40°	6475
45°	6335
50°	6459
55°	6553
60°	6730
65°	6877
70°	7060
75°	7134
80°	6858
85°	5767

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 7134 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.1	11.6
10°-20°	403.5	31.3
20°-30°	434.2	33.7
30°-40°	188.7	14.7
40°-50°	31.7	2.5
50°-60°	30.8	2.4
60°-70°	26.4	2.0
70°-80°	17.6	1.4
80°-90°	5.3	0.4
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°	986.8	76.7
0°-40°	1175.5	91.3
0°-60°	1238.1	96.2
0°-90°	1287.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1287.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1529	
5°	1560	149
15°	1459	404
25°	976	434
35°	299	189
45°	41	32
55°	34	31
65°	27	26
75°	17	18
85°	5	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1528.9
2.5°	1571.9
5°	1560.5
7.5°	1564.1
10°	1561.3
12.5°	1529.1
15°	1458.8
17.5°	1364.5
20°	1251.3
22.5°	1130.1
25°	976.1
27.5°	780.8
30°	630.9
32.5°	486.3
35°	299.1
37.5°	127.9
40°	45.4
42.5°	41.8
45°	41.0
47.5°	39.6
50°	38.0
52.5°	36.2
55°	34.4
57.5°	32.7
60°	30.8
62.5°	28.9
65°	26.6
67.5°	24.5
70°	22.1
72.5°	19.5
75°	16.9
77.5°	13.9
80°	10.9
82.5°	7.7
85°	4.6
87.5°	1.6
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)