

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: P744275

Luminaire Tested: LD4D20D010-EU4DR4020359030-4LBCSSQMB

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P744275
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D20D010-EU4DR4020359030-4LBCSSQMB
Description: 4 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1814.9 lumens
Efficiency: N/A
Efficacy: 78.6 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
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

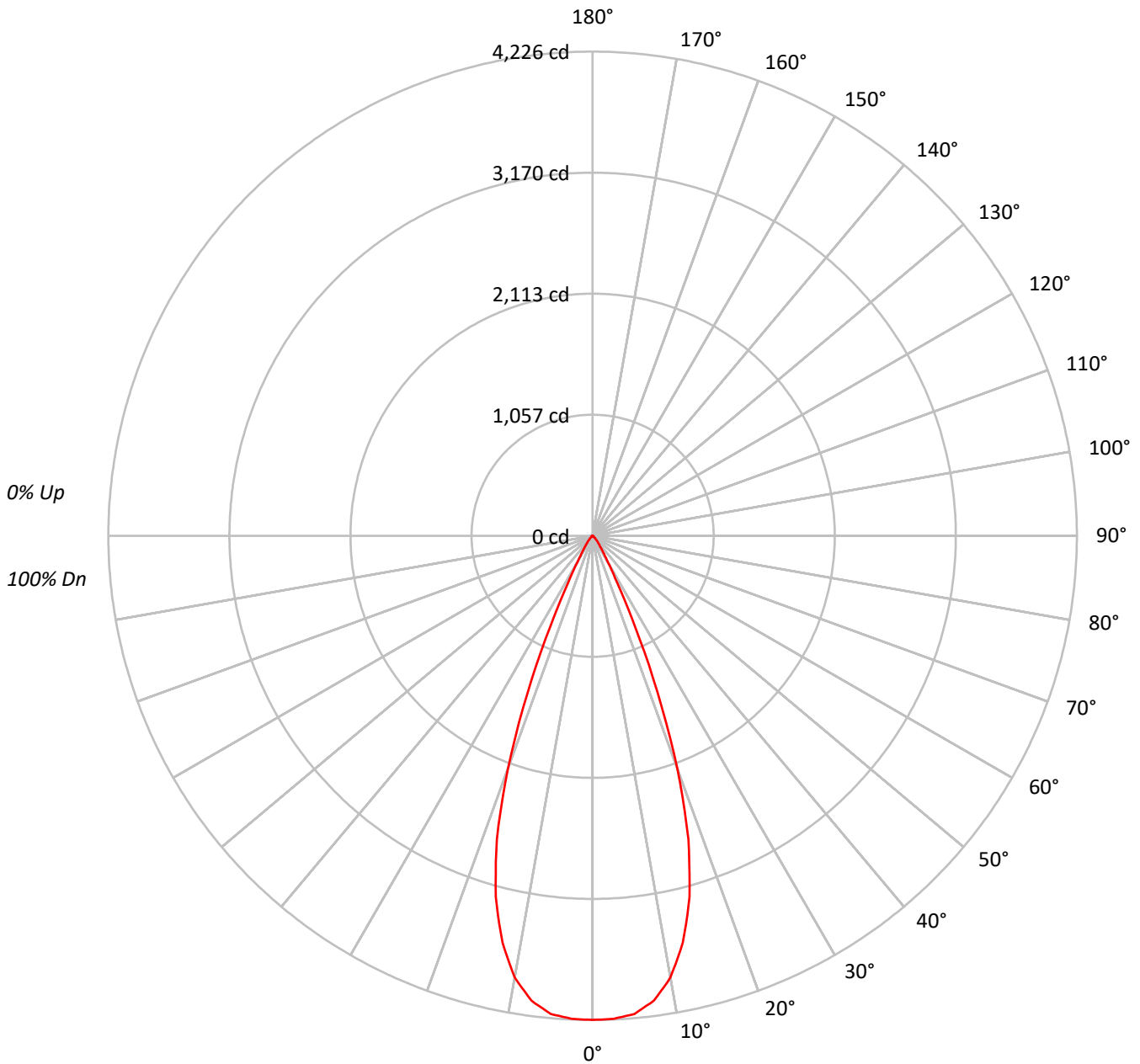


Downlight



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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	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			100	
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96			96	
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92			92	
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88			88	
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84			84	
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81			81	
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77			77	
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74			74	
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72			72	
9	86	79	74	71	85	78	74	71	77	73	71	77	73	70	76	72	70	69			69	
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67			67	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	461692
5°	459453
10°	434277
15°	369196
20°	251626
25°	104992
30°	33017
35°	15339
40°	8486
45°	3894
50°	1887
55°	1029
60°	546
65°	181
70°	64
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3894 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	391.2	21.6
10°-20°	876.3	48.3
20°-30°	438.7	24.2
30°-40°	80.4	4.4
40°-50°	22.2	1.2
50°-60°	5.2	0.3
60°-70°	1.0	0.1
70°-80°	0.0	0.0
80°-90°	0.0	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°	1706.1	94.0
0°-40°	1786.5	98.4
0°-60°	1813.9	99.9
0°-90°	1814.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1814.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4226	
5°	4189	391
15°	3264	876
25°	871	439
35°	115	80
45°	25	22
55°	5	5
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4225.6
2.5°	4219.4
5°	4189.1
7.5°	4092.4
10°	3914.3
12.5°	3636.9
15°	3263.9
17.5°	2778.8
20°	2164.1
22.5°	1475.5
25°	870.9
27.5°	460.4
30°	261.7
32.5°	169.1
35°	115.0
37.5°	82.2
40°	59.5
42.5°	40.7
45°	25.2
47.5°	16.0
50°	11.1
52.5°	7.9
55°	5.4
57.5°	3.4
60°	2.5
62.5°	1.5
65°	0.7
67.5°	0.5
70°	0.2
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)