

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: P744767

Luminaire Tested: LD4D20D010-EU4DR7020359035-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P744767
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: LD4D20D010-EU4DR7020359035-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1213.7 lumens
Efficiency: N/A
Efficacy: 52.5 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): 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



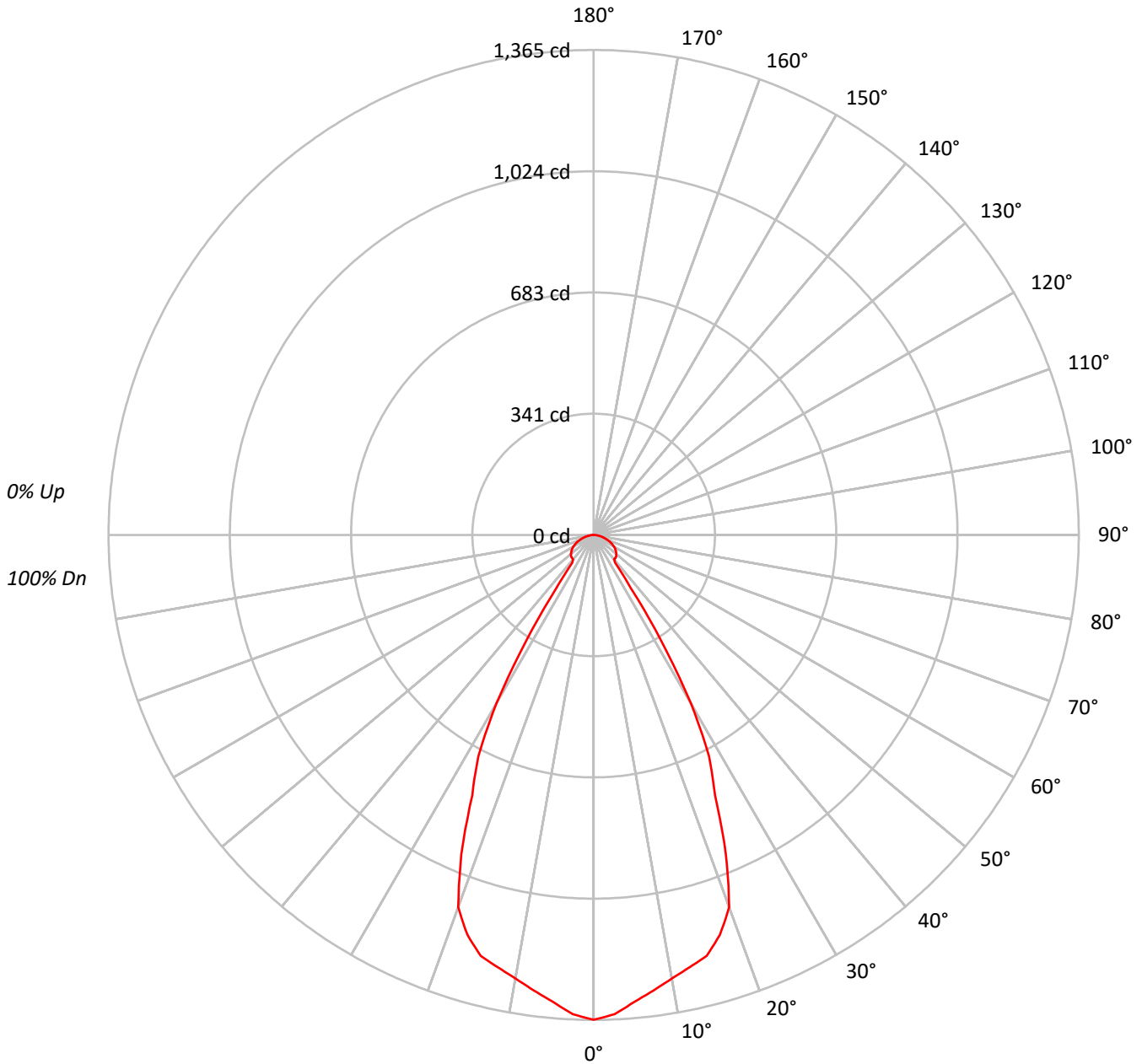
Downlight



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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				
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	87	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°	149097
5°	144665
10°	140636
15°	138792
20°	129598
25°	97361
30°	68835
35°	24382
40°	12822
45°	13644
50°	14142
55°	14401
60°	14488
65°	14193
70°	13385
75°	12411
80°	11011
85°	8901

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 14499 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.4	10.3
10°-20°	341.3	28.1
20°-30°	375.9	31.0
30°-40°	143.6	11.8
40°-50°	67.8	5.6
50°-60°	67.4	5.6
60°-70°	54.0	4.4
70°-80°	31.0	2.6
80°-90°	8.4	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°	841.5	69.3
0°-40°	985.1	81.2
0°-60°	1120.3	92.3
0°-90°	1213.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1213.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1365	
5°	1319	124
15°	1227	341
25°	808	376
35°	183	144
45°	88	68
55°	76	67
65°	55	54
75°	29	31
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1364.6
2.5°	1350.3
5°	1319.0
7.5°	1292.9
10°	1267.6
12.5°	1246.2
15°	1227.0
17.5°	1180.5
20°	1114.6
22.5°	972.5
25°	807.6
27.5°	703.1
30°	545.6
32.5°	352.4
35°	182.8
37.5°	98.7
40°	89.9
42.5°	89.2
45°	88.3
47.5°	86.4
50°	83.2
52.5°	79.5
55°	75.6
57.5°	71.3
60°	66.3
62.5°	60.7
65°	54.9
67.5°	48.4
70°	41.9
72.5°	35.4
75°	29.4
77.5°	23.1
80°	17.5
82.5°	12.3
85°	7.1
87.5°	2.8
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)