

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: P744177

Luminaire Tested: LD4D20D010-EU4DR3520359024-4LBDP1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P744177
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D20D010-EU4DR3520359024-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1440.9 lumens
Efficiency: N/A
Efficacy: 62.4 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54
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



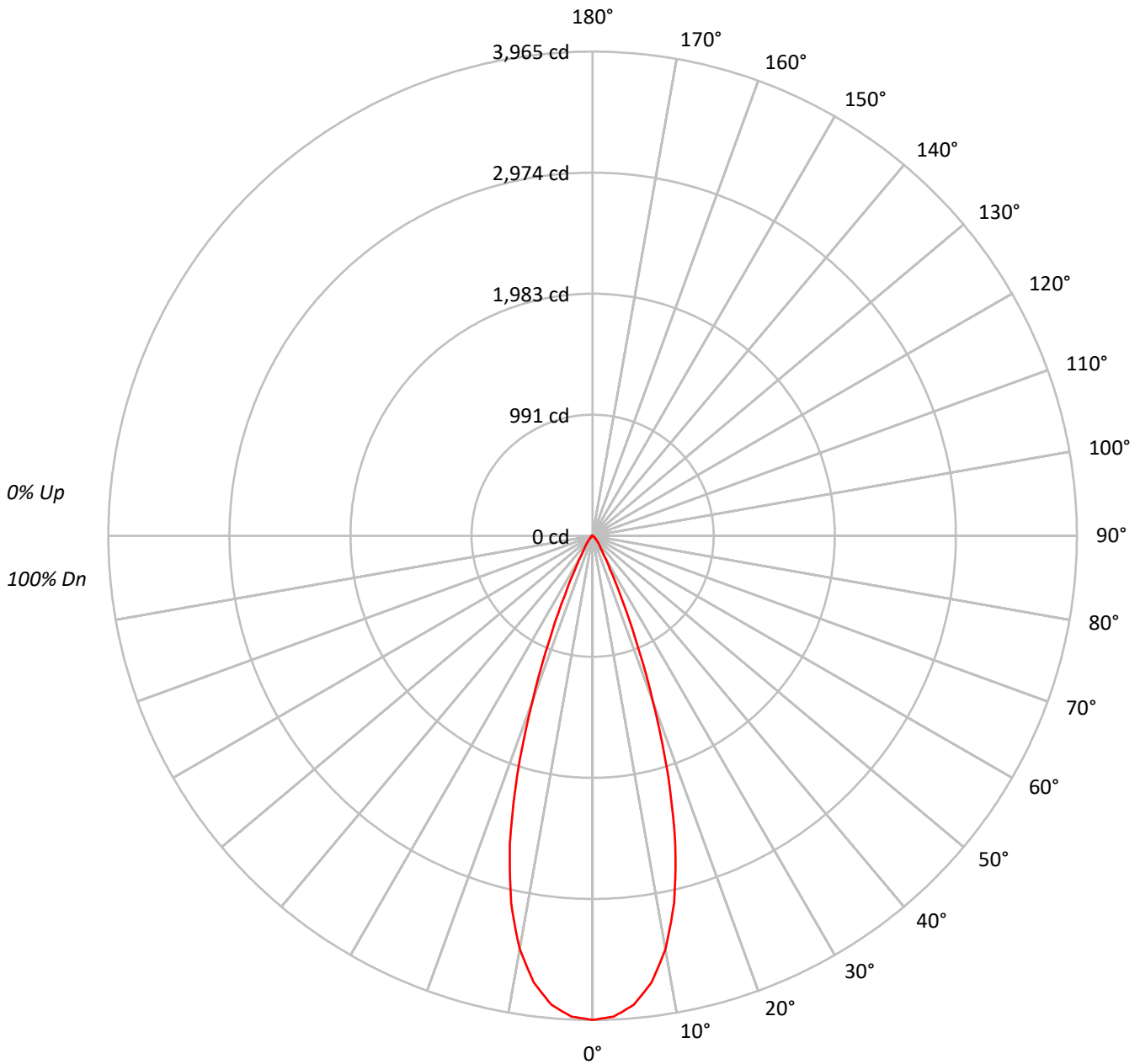
Downlight



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	433175
5°	423007
10°	381234
15°	295898
20°	167828
25°	65293
30°	24362
35°	13352
40°	8729
45°	5315
50°	3383
55°	2381
60°	1748
65°	957
70°	64
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5315 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.7	24.6
10°-20°	692.5	48.1
20°-30°	282.4	19.6
30°-40°	67.6	4.7
40°-50°	28.2	2.0
50°-60°	11.6	0.8
60°-70°	3.6	0.3
70°-80°	0.1	0.0
80°-90°	0.1	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°	1329.7	92.3
0°-40°	1397.3	97.0
0°-60°	1437.1	99.7
0°-90°	1440.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1440.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3965	
5°	3857	355
15°	2616	693
25°	542	282
35°	100	68
45°	34	28
55°	12	12
65°	4	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3964.6
2.5°	3940.9
5°	3856.8
7.5°	3689.0
10°	3436.2
12.5°	3080.4
15°	2615.9
17.5°	2048.0
20°	1443.4
22.5°	920.4
25°	541.6
27.5°	306.1
30°	193.1
32.5°	135.6
35°	100.1
37.5°	77.4
40°	61.2
42.5°	47.2
45°	34.4
47.5°	25.7
50°	19.9
52.5°	15.8
55°	12.5
57.5°	10.1
60°	8.0
62.5°	5.8
65°	3.7
67.5°	1.3
70°	0.2
72.5°	0.2
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.2
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)