

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: P745834

Luminaire Tested: LD4D30D010-EU4DR2015309027-4LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P745834
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D30D010-EU4DR2015309027-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2375.3 lumens
Efficiency: N/A
Efficacy: 81.9 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 29
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

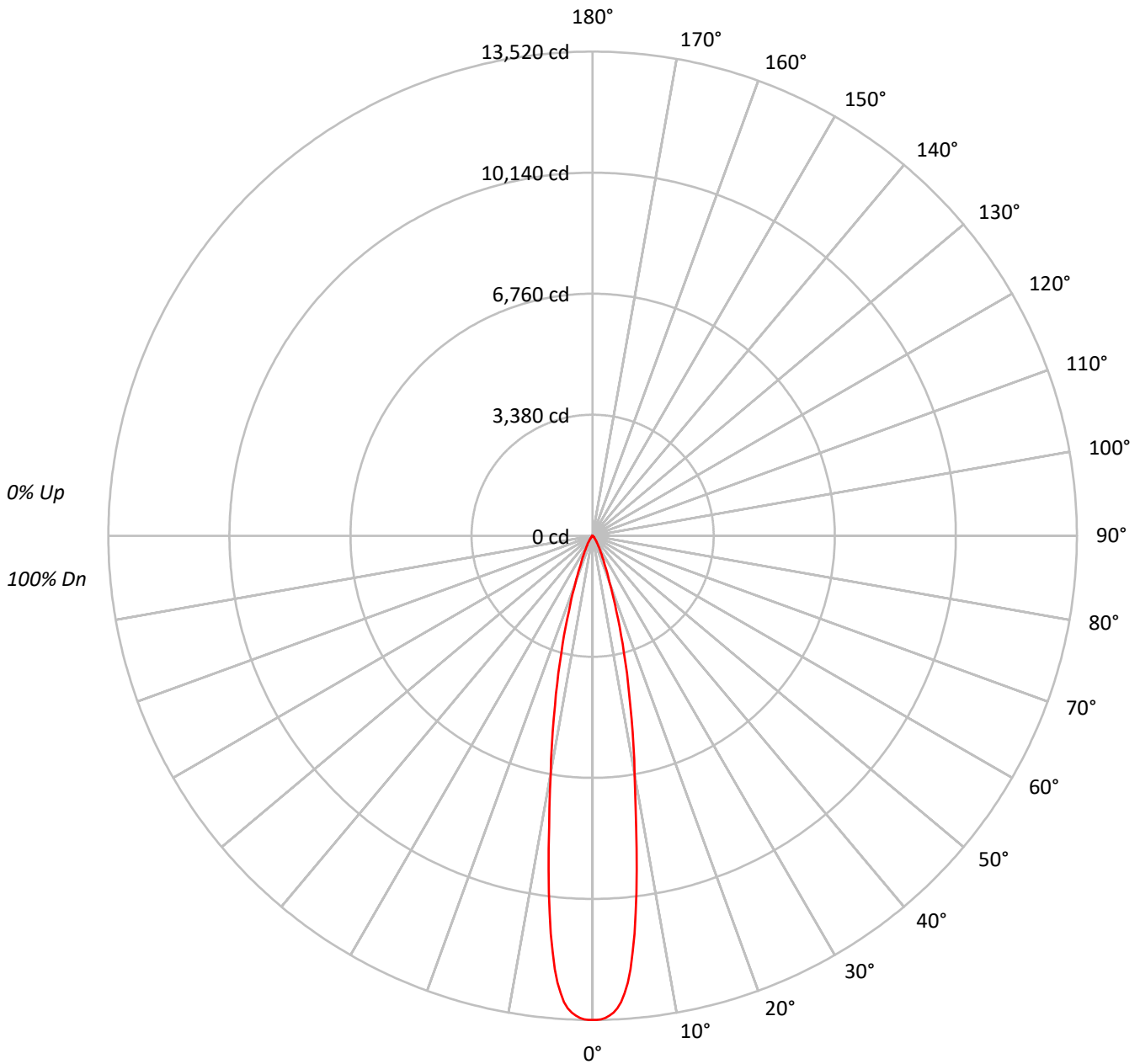


Downlight



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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		
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97		
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94		
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91		
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88		
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85		
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83		
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81		
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79		
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77		
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1477151
5°	1332666
10°	747967
15°	380202
20°	160980
25°	74311
30°	39338
35°	21195
40°	11339
45°	6691
50°	3893
55°	2057
60°	1311
65°	931
70°	383
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6691 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	962.6	40.5
10°-20°	947.8	39.9
20°-30°	309.6	13.0
30°-40°	105.4	4.4
40°-50°	35.4	1.5
50°-60°	10.6	0.4
60°-70°	3.5	0.1
70°-80°	0.2	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°	2220.0	93.5
0°-40°	2325.5	97.9
0°-60°	2371.6	99.8
0°-90°	2375.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2375.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13520	
5°	12151	963
15°	3361	948
25°	616	310
35°	159	105
45°	43	35
55°	11	11
65°	4	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13519.5
0.5°	13519.5
1°	13502.6
1.5°	13468.9
2°	13407.5
2.5°	13325.7
3°	13210.1
3.5°	13048.8
4°	12809.2
4.5°	12517.9
5°	12150.7
5.5°	11667.9
6°	11173.1
6.5°	10606.1
7°	10051.1
7.5°	9401.0
8°	8820.8
8.5°	8236.9
9°	7697.6
9.5°	7202.8
10°	6741.7
12.5°	4840.8
15°	3361.2
17.5°	2195.9
20°	1384.5
22.5°	896.9
25°	616.4
27.5°	433.4
30°	311.8
32.5°	223.9
35°	158.9
37.5°	110.8
40°	79.5
42.5°	57.8
45°	43.3
47.5°	33.7
50°	22.9
52.5°	14.4
55°	10.8
57.5°	8.4
60°	6.0
62.5°	4.8
65°	3.6



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CANDELA DISTRIBUTION (continued):

	0°
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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67.5°		2.4
70°		1.2

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(END OF REPORT)