

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: P745885

Luminaire Tested: LD4D30D010-EU4DR2015309050-4LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P745885
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-EU4DR2015309050-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2431.9 lumens
Efficiency: N/A
Efficacy: 83.9 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



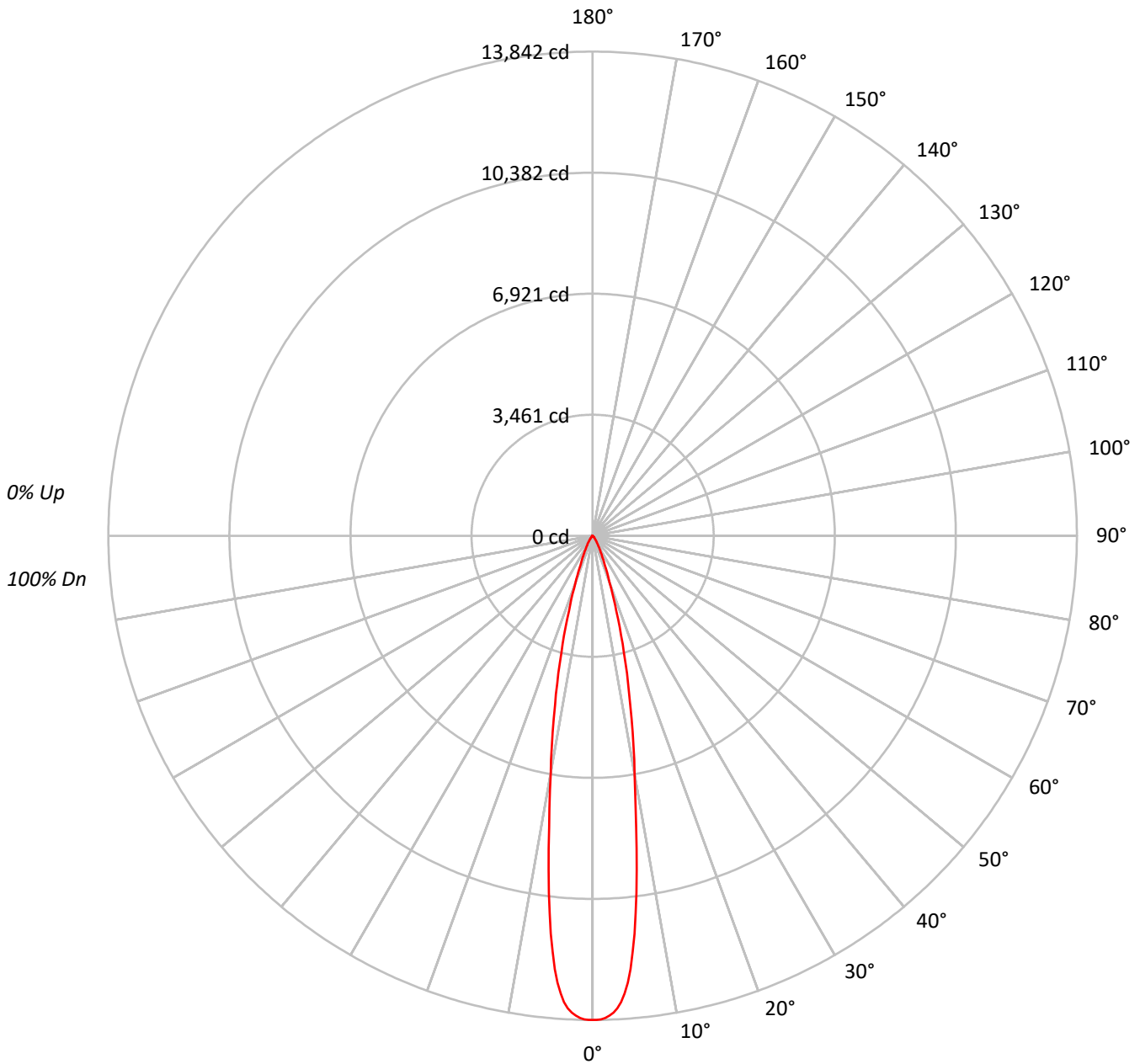
Downlight



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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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	97	97	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	94	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	91	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	88	88
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	85	85	85
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	83	83	83
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	81	81	81
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	79	79	79
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	77	77
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	75	75	75

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1512366
5°	1364440
10°	765796
15°	389263
20°	164817
25°	76083
30°	40271
35°	21701
40°	11596
45°	6861
50°	3978
55°	2114
60°	1355
65°	957
70°	383
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6861 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	985.5	40.5
10°-20°	970.4	39.9
20°-30°	317.0	13.0
30°-40°	107.9	4.4
40°-50°	36.3	1.5
50°-60°	10.9	0.4
60°-70°	3.6	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°	2273.0	93.5
0°-40°	2380.9	97.9
0°-60°	2428.1	99.8
0°-90°	2431.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2431.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13842	
5°	12440	986
15°	3441	970
25°	631	317
35°	163	108
45°	44	36
55°	11	11
65°	4	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13841.8
0.5°	13841.8
1°	13824.5
1.5°	13790.0
2°	13727.2
2.5°	13643.4
3°	13525.0
3.5°	13359.9
4°	13114.6
4.5°	12816.3
5°	12440.4
5.5°	11946.1
6°	11439.5
6.5°	10859.0
7°	10290.8
7.5°	9625.2
8°	9031.1
8.5°	8433.3
9°	7881.1
9.5°	7374.5
10°	6902.4
12.5°	4956.2
15°	3441.3
17.5°	2248.2
20°	1417.5
22.5°	918.3
25°	631.1
27.5°	443.7
30°	319.2
32.5°	229.3
35°	162.7
37.5°	113.4
40°	81.3
42.5°	59.2
45°	44.4
47.5°	34.5
50°	23.4
52.5°	14.8
55°	11.1
57.5°	8.6
60°	6.2
62.5°	4.9
65°	3.7



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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°		2.5
70°		1.2

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(END OF REPORT)