

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: P762949

Luminaire Tested: LD6D25D010-EU6DR2015309024-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P762949
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: LD6D25D010-EU6DR2015309024-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2265.4 lumens
Efficiency: N/A
Efficacy: 90.3 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): 25.1
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



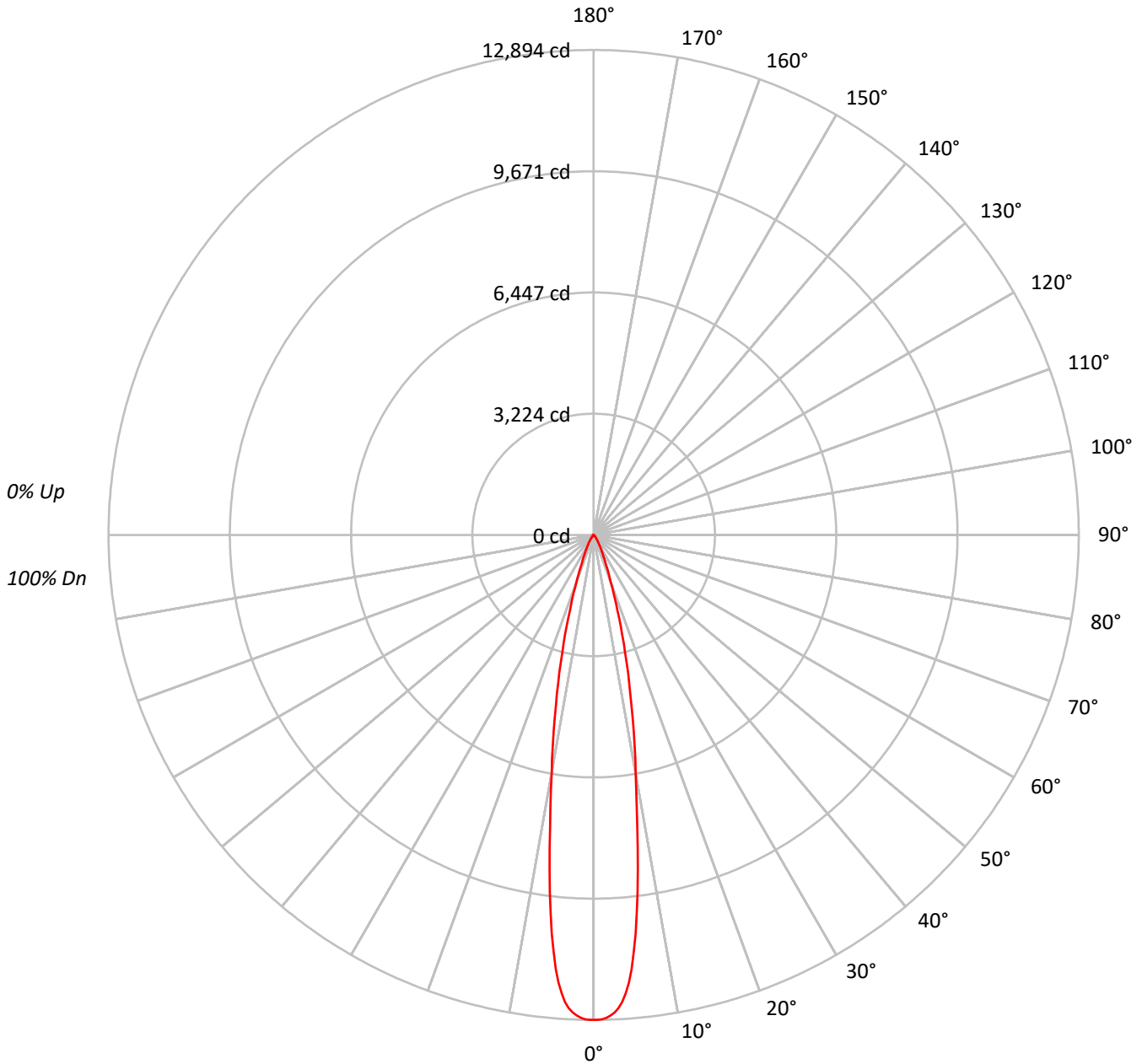
Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95	94																
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	93	92	91																
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	90	89	88																
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	86	85	83																
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	84	83	81																
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	82	81	79																
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	80	79	77																
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	78	77	75																
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	76	75	73																
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	74	73	71																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1408852
5°	1271049
10°	713385
15°	362624
20°	153527
25°	70875
30°	37521
35°	20221
40°	10811
45°	6382
50°	3706
55°	1962
60°	1246
65°	879
70°	351
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6382 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	918.1	40.5
10°-20°	904.0	39.9
20°-30°	295.3	13.0
30°-40°	100.6	4.4
40°-50°	33.8	1.5
50°-60°	10.2	0.4
60°-70°	3.4	0.1
70°-80°	0.1	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°	2117.4	93.5
0°-40°	2217.9	97.9
0°-60°	2261.9	99.8
0°-90°	2265.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2265.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12894	
5°	11589	918
15°	3206	904
25°	588	295
35°	152	101
45°	41	34
55°	10	10
65°	3	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12894.4
0.5°	12894.4
1°	12878.4
1.5°	12846.2
2°	12787.6
2.5°	12709.6
3°	12599.3
3.5°	12445.5
4°	12217.0
4.5°	11939.1
5°	11588.9
5.5°	11128.5
6°	10656.6
6.5°	10115.8
7°	9586.4
7.5°	8966.4
8°	8413.0
8.5°	7856.1
9°	7341.7
9.5°	6869.8
10°	6430.0
12.5°	4617.0
15°	3205.8
17.5°	2094.3
20°	1320.4
22.5°	855.4
25°	587.9
27.5°	413.4
30°	297.4
32.5°	213.6
35°	151.6
37.5°	105.6
40°	75.8
42.5°	55.1
45°	41.3
47.5°	32.1
50°	21.8
52.5°	13.8
55°	10.3
57.5°	8.0
60°	5.7
62.5°	4.6
65°	3.4



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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°		2.3
70°		1.1

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(END OF REPORT)