

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: P763014

Luminaire Tested: LD6D25D010-EU6DR2015309050-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763014
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-EU6DR2015309050-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2783.8 lumens
Efficiency: N/A
Efficacy: 110.9 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): 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



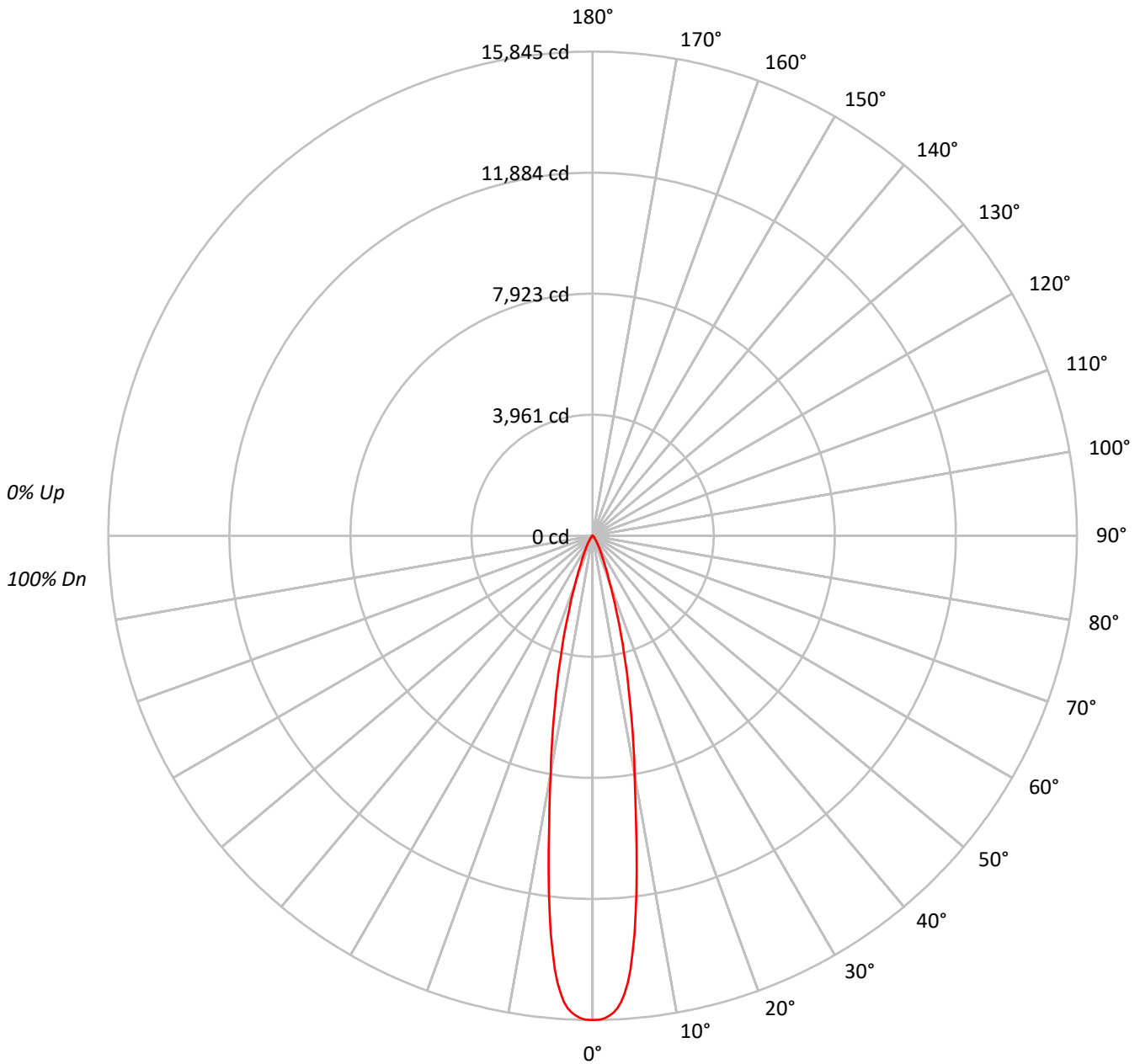
Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	0
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°	1731248
5°	1561904
10°	876631
15°	445605
20°	188664
25°	87090
30°	46100
35°	24836
40°	13279
45°	7850
50°	4555
55°	2419
60°	1552
65°	1086
70°	447
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7850 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1128.1	40.5
10°-20°	1110.9	39.9
20°-30°	362.9	13.0
30°-40°	123.5	4.4
40°-50°	41.5	1.5
50°-60°	12.5	0.4
60°-70°	4.1	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°	2601.9	93.5
0°-40°	2725.4	97.9
0°-60°	2779.5	99.8
0°-90°	2783.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2783.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15845	
5°	14241	###
15°	3939	1111
25°	722	363
35°	186	124
45°	51	42
55°	13	13
65°	4	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	15845.1
0.5°	15845.1
1°	15825.3
1.5°	15785.8
2°	15713.9
2.5°	15617.9
3°	15482.5
3.5°	15293.4
4°	15012.6
4.5°	14671.2
5°	14240.8
5.5°	13675.0
6°	13095.1
6.5°	12430.6
7°	11780.1
7.5°	11018.2
8°	10338.1
8.5°	9653.8
9°	9021.7
9.5°	8441.8
10°	7901.4
12.5°	5673.5
15°	3939.4
17.5°	2573.6
20°	1622.6
22.5°	1051.2
25°	722.4
27.5°	507.9
30°	365.4
32.5°	262.4
35°	186.2
37.5°	129.8
40°	93.1
42.5°	67.7
45°	50.8
47.5°	39.5
50°	26.8
52.5°	16.9
55°	12.7
57.5°	9.9
60°	7.1
62.5°	5.6
65°	4.2



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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°		2.8
70°		1.4

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(END OF REPORT)