

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: P762948

Luminaire Tested: LD6D25D010-EU6DR2015309024-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P762948
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-EU6DR2015309024-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2095.3 lumens
Efficiency: N/A
Efficacy: 83.5 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



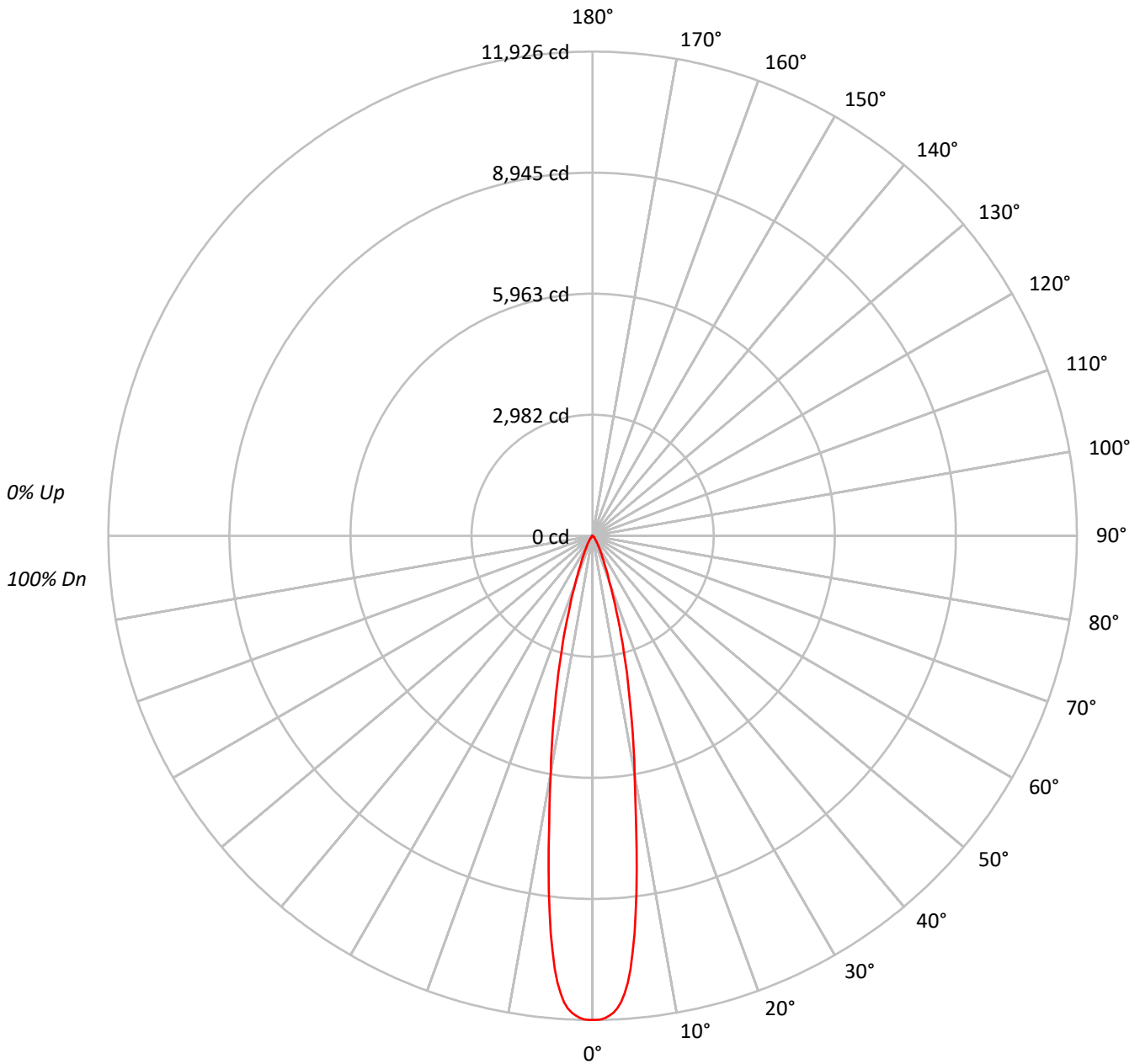
Downlight



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1303044
5°	1175596
10°	659809
15°	335397
20°	142004
25°	65546
30°	34708
35°	18700
40°	9998
45°	5903
50°	3434
55°	1829
60°	1158
65°	827
70°	351
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5903 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	849.1	40.5
10°-20°	836.1	39.9
20°-30°	273.1	13.0
30°-40°	93.0	4.4
40°-50°	31.3	1.5
50°-60°	9.4	0.4
60°-70°	3.1	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°	1958.4	93.5
0°-40°	2051.4	97.9
0°-60°	2092.0	99.8
0°-90°	2095.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2095.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11926	
5°	10719	849
15°	2965	836
25°	544	273
35°	140	93
45°	38	31
55°	10	9
65°	3	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11926.0
0.5°	11926.0
1°	11911.2
1.5°	11881.4
2°	11827.3
2.5°	11755.1
3°	11653.1
3.5°	11510.8
4°	11299.5
4.5°	11042.5
5°	10718.6
5.5°	10292.7
6°	9856.2
6.5°	9356.1
7°	8866.5
7.5°	8293.0
8°	7781.1
8.5°	7266.1
9°	6790.3
9.5°	6353.8
10°	5947.1
12.5°	4270.2
15°	2965.1
17.5°	1937.1
20°	1221.3
22.5°	791.2
25°	543.7
27.5°	382.3
30°	275.1
32.5°	197.5
35°	140.2
37.5°	97.7
40°	70.1
42.5°	51.0
45°	38.2
47.5°	29.7
50°	20.2
52.5°	12.7
55°	9.6
57.5°	7.4
60°	5.3
62.5°	4.2
65°	3.2



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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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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67.5°		2.1
70°		1.1

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(END OF REPORT)