

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: P757989

Luminaire Tested: LD6D05D010-EU6DR200210IC9024-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P757989
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: LD6D05D010-EU6DR200210IC9024-6LBSQW1MW
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: 528.0 lumens
Efficiency: N/A
Efficacy: 70.4 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): 7.5
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

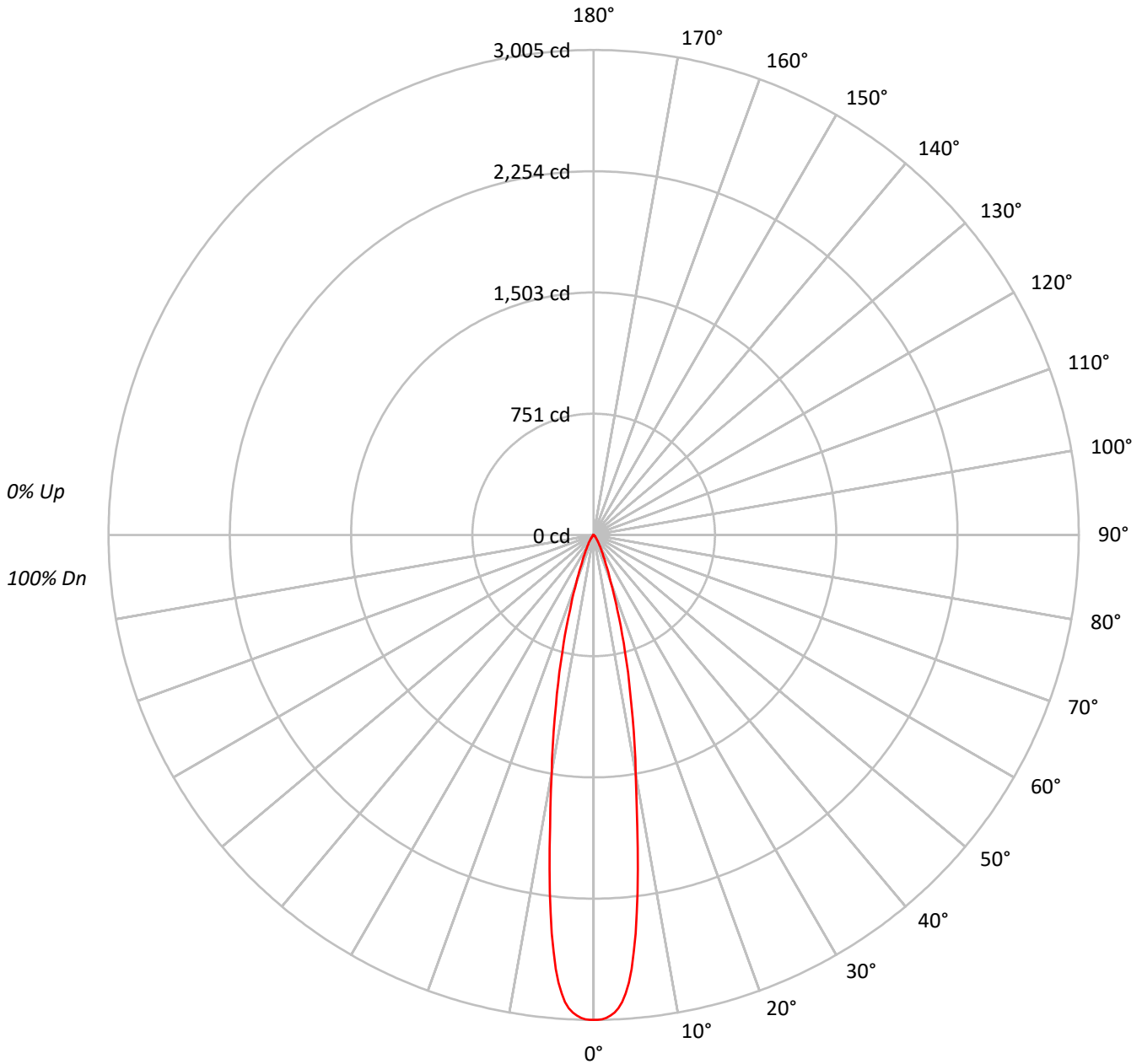


Downlight



TEST NUMBER: P757989
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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	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	94																										
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°	328329
5°	296219
10°	166253
15°	84508
20°	35777
25°	16516
30°	8743
35°	4708
40°	2525
45°	1483
50°	867
55°	457
60°	284
65°	207
70°	96
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1483 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.0	40.5
10°-20°	210.7	39.9
20°-30°	68.8	13.0
30°-40°	23.4	4.4
40°-50°	7.9	1.5
50°-60°	2.4	0.4
60°-70°	0.8	0.1
70°-80°	0.0	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°	493.5	93.5
0°-40°	516.9	97.9
0°-60°	527.1	99.8
0°-90°	528.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	528.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3005	
5°	2701	214
15°	747	211
25°	137	69
35°	35	23
45°	10	8
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3005.0
0.5°	3005.0
1°	3001.3
1.5°	2993.8
2°	2980.2
2.5°	2962.0
3°	2936.3
3.5°	2900.4
4°	2847.2
4.5°	2782.4
5°	2700.8
5.5°	2593.5
6°	2483.5
6.5°	2357.5
7°	2234.1
7.5°	2089.6
8°	1960.6
8.5°	1830.9
9°	1711.0
9.5°	1601.0
10°	1498.5
12.5°	1076.0
15°	747.1
17.5°	488.1
20°	307.7
22.5°	199.4
25°	137.0
27.5°	96.3
30°	69.3
32.5°	49.8
35°	35.3
37.5°	24.6
40°	17.7
42.5°	12.8
45°	9.6
47.5°	7.5
50°	5.1
52.5°	3.2
55°	2.4
57.5°	1.9
60°	1.3
62.5°	1.1
65°	0.8



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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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Scaled Data Report





67.5°		0.5
70°		0.3

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Scaled Data Report



(END OF REPORT)