

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: P760407

Luminaire Tested: LD6D10D010-EU6DR450210IC9024-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760407
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D10D010-EU6DR450210IC9024-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 853.9 lumens
Efficiency: N/A
Efficacy: 73.0 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 11.7
Input Voltage (V): NR
Input Current (A_{in}): 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



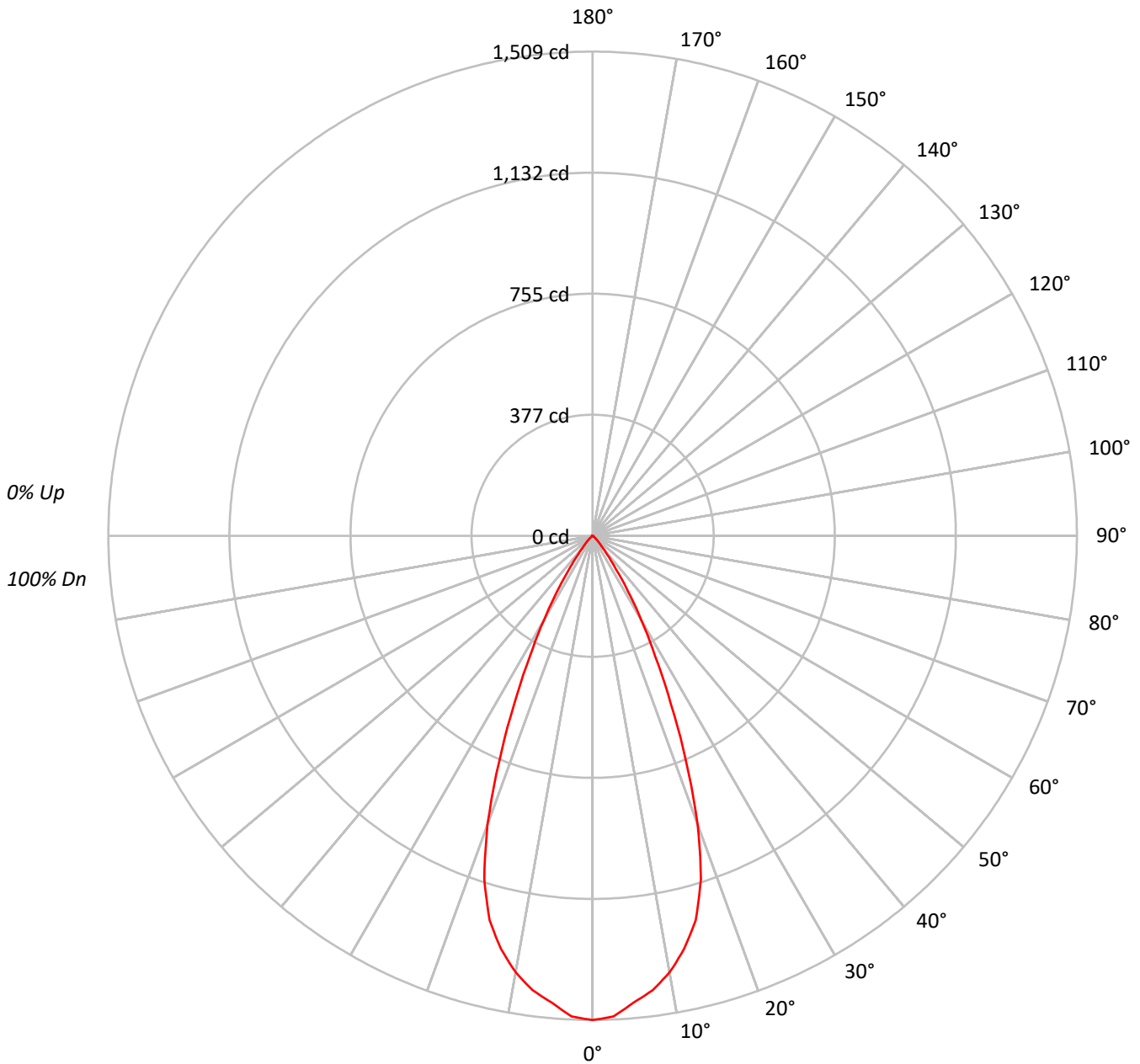
Downlight



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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																			
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95																			
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90																			
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85																			
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81																			
5	96	89	84	80	95	88	83	80	86	82	79	85	81	79	83	80	78	77																			
6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73																			
7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	69																			
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66																			
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63																			
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	164907
5°	160207
10°	153283
15°	140285
20°	111296
25°	69476
30°	38291
35°	17193
40°	6775
45°	3199
50°	1513
55°	800
60°	393
65°	78
70°	32
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3199 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.3	16.1
10°-20°	337.8	39.6
20°-30°	267.5	31.3
30°-40°	89.1	10.4
40°-50°	17.7	2.1
50°-60°	4.1	0.5
60°-70°	0.6	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°	742.5	87.0
0°-40°	831.6	97.4
0°-60°	853.3	99.9
0°-90°	853.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	853.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1509	
5°	1461	137
15°	1240	338
25°	576	267
35°	129	89
45°	21	18
55°	4	4
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1509.3
2.5°	1499.5
5°	1460.7
7.5°	1428.8
10°	1381.6
12.5°	1318.6
15°	1240.2
17.5°	1122.2
20°	957.2
22.5°	760.6
25°	576.3
27.5°	422.0
30°	303.5
32.5°	206.4
35°	128.9
37.5°	76.4
40°	47.5
42.5°	31.2
45°	20.7
47.5°	13.3
50°	8.9
52.5°	6.0
55°	4.2
57.5°	2.8
60°	1.8
62.5°	1.0
65°	0.3
67.5°	0.1
70°	0.1
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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