

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: P758145

Luminaire Tested: LD6D05D010-EU6DR300210IC9024-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P758145
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D05D010-EU6DR300210IC9024-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 473.4 lumens
Efficiency: N/A
Efficacy: 63.1 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' 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



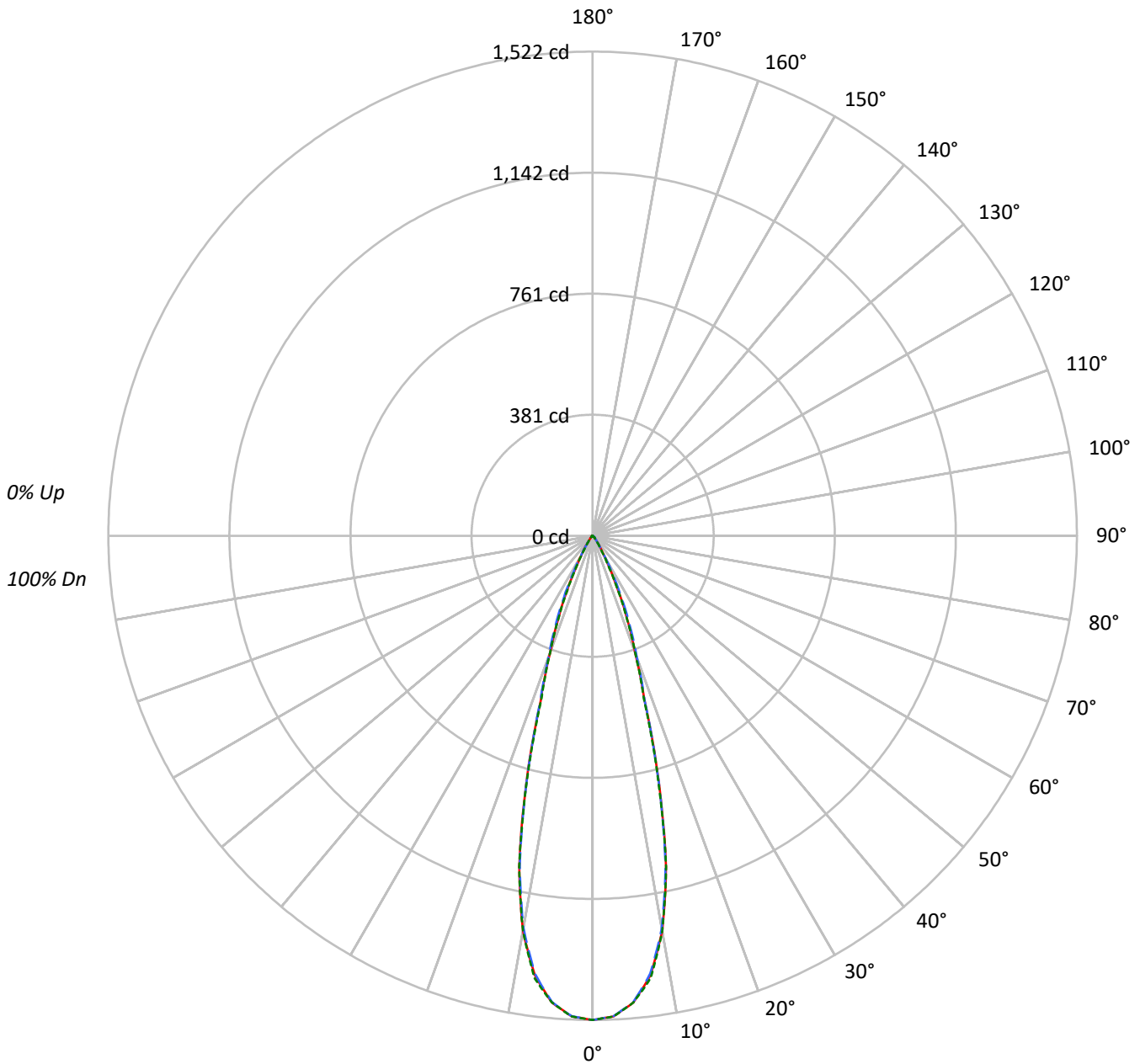
Downlight



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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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	116499	116499	116499
5°	113156	113018	113156
10°	98010	97318	97987
15°	63942	63601	63284
20°	31800	32990	31751
25°	16013	18065	15692
30°	6408	6991	5586
35°	2981	2850	2392
40°	1279	1429	1209
45°	909	1126	909
50°	310	822	333
55°	173	334	187
60°	122	153	122
65°	91	91	91
70°	45	45	45
75°	0	30	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1126 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.8	28.3
10°-20°	215.5	45.5
20°-30°	93.1	19.7
30°-40°	21.2	4.5
40°-50°	7.3	1.5
50°-60°	1.8	0.4
60°-70°	0.5	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°	442.5	93.5
0°-40°	463.8	98.0
0°-60°	472.8	99.9
0°-90°	473.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	473.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1522	1522	1522	1522	1522	
5°	1473	1471	1471	1474	1473	134
15°	807	797	803	800	799	216
25°	190	197	214	192	186	91
35°	32	32	30	30	26	22
45°	8	10	10	10	8	6
55°	1	1	2	2	1	1
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1522.0	1522.0	1522.0	1522.0	1522.0
2.5°	1511.9	1510.9	1511.4	1512.2	1512.5
5°	1472.7	1471.2	1470.9	1474.0	1472.7
7.5°	1393.5	1391.5	1388.4	1395.4	1401.9
10°	1261.0	1258.7	1252.1	1255.4	1260.7
12.5°	1065.3	1058.0	1057.9	1068.3	1066.9
15°	806.9	797.2	802.6	800.0	798.6
17.5°	542.6	538.9	546.1	543.9	534.6
20°	390.4	391.3	405.0	398.1	389.8
22.5°	284.9	288.4	304.6	286.9	280.3
25°	189.6	196.8	213.9	191.8	185.8
27.5°	116.7	119.9	137.2	115.2	111.8
30°	72.5	70.9	79.1	67.8	63.2
32.5°	47.6	45.5	48.1	43.2	39.5
35°	31.9	32.5	30.5	30.3	25.6
37.5°	19.9	22.9	20.2	21.5	16.4
40°	12.8	16.6	14.3	15.8	12.1
42.5°	10.5	12.8	11.7	12.5	10.8
45°	8.4	10.4	10.4	10.4	8.4
47.5°	4.6	6.9	8.9	7.1	4.9
50°	2.6	3.5	6.9	3.7	2.8
52.5°	1.8	2.0	4.7	2.1	1.9
55°	1.3	1.4	2.5	1.5	1.4
57.5°	1.0	1.1	1.3	1.1	1.0
60°	0.8	0.8	1.0	0.9	0.8
62.5°	0.6	0.6	0.7	0.6	0.6
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.2	0.3	0.3	0.3	0.3
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.1	0.1	0.1	0.1
75°	0.0	0.0	0.1	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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