

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: P758144

Luminaire Tested: LD6D05D010-EU6DR300210IC9024-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P758144
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-EU6DR300210IC9024-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 427.5 lumens
Efficiency: N/A
Efficacy: 57.0 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



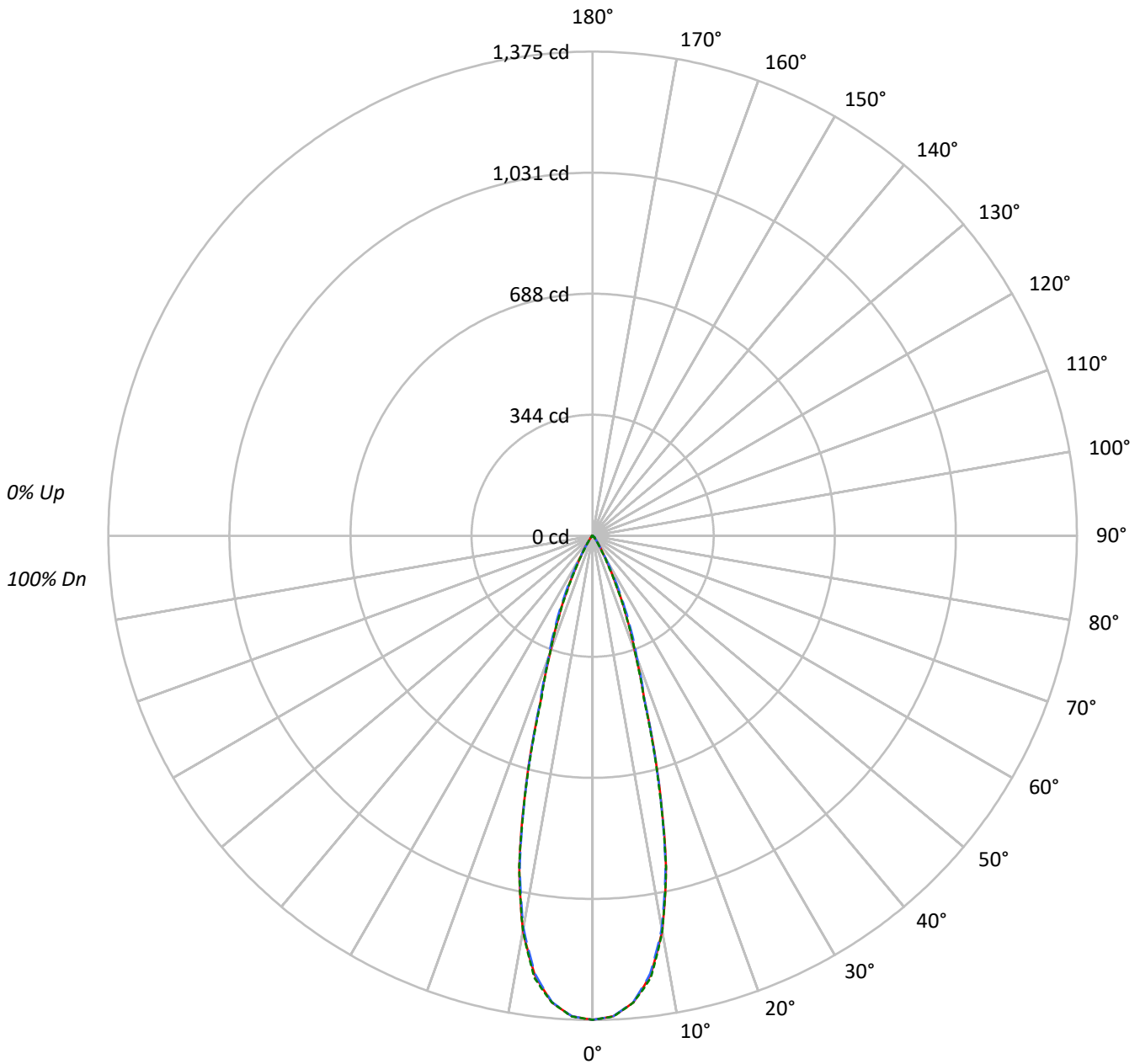
Downlight



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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	87	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°	105224	105224	105224
5°	102207	102084	102207
10°	88528	87898	88505
15°	57761	57452	57158
20°	28721	29797	28681
25°	14467	16309	14172
30°	5789	6311	5047
35°	2691	2579	2159
40°	1159	1289	1089
45°	823	1018	823
50°	274	738	298
55°	160	307	173
60°	107	138	107
65°	72	72	72
70°	45	22	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: 1018 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.9	28.3
10°-20°	194.7	45.5
20°-30°	84.1	19.7
30°-40°	19.2	4.5
40°-50°	6.6	1.5
50°-60°	1.6	0.4
60°-70°	0.4	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°	399.7	93.5
0°-40°	418.9	98.0
0°-60°	427.1	99.9
0°-90°	427.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	427.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1375	1375	1375	1375	1375	
5°	1330	1329	1329	1331	1330	121
15°	729	720	725	723	721	195
25°	171	178	193	173	168	82
35°	29	29	28	27	23	19
45°	8	9	9	9	8	5
55°	1	1	2	1	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°	1374.7	1374.7	1374.7	1374.7	1374.7
2.5°	1365.6	1364.7	1365.2	1365.9	1366.1
5°	1330.2	1328.8	1328.6	1331.4	1330.2
7.5°	1258.7	1256.9	1254.1	1260.4	1266.2
10°	1139.0	1136.9	1130.9	1133.9	1138.7
12.5°	962.2	955.6	955.5	965.0	963.6
15°	728.9	720.1	725.0	722.6	721.3
17.5°	490.2	486.8	493.3	491.3	482.8
20°	352.6	353.5	365.8	359.6	352.1
22.5°	257.3	260.5	275.1	259.1	253.2
25°	171.3	177.8	193.1	173.3	167.8
27.5°	105.4	108.3	123.9	104.0	101.0
30°	65.5	64.1	71.4	61.3	57.1
32.5°	43.0	41.1	43.5	39.0	35.6
35°	28.8	29.3	27.6	27.3	23.1
37.5°	17.9	20.6	18.2	19.4	14.8
40°	11.6	15.0	12.9	14.3	10.9
42.5°	9.5	11.5	10.6	11.3	9.7
45°	7.6	9.4	9.4	9.4	7.6
47.5°	4.2	6.3	8.0	6.4	4.5
50°	2.3	3.2	6.2	3.3	2.5
52.5°	1.6	1.8	4.2	1.9	1.7
55°	1.2	1.3	2.3	1.4	1.3
57.5°	0.9	1.0	1.2	1.0	0.9
60°	0.7	0.7	0.9	0.8	0.7
62.5°	0.5	0.5	0.6	0.5	0.5
65°	0.4	0.4	0.4	0.4	0.4
67.5°	0.2	0.3	0.3	0.3	0.3
70°	0.2	0.1	0.1	0.1	0.2
72.5°	0.1	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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