

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: P767998

Luminaire Tested: LD6D55D010-EU6DR3055659050-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P767998
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: LD6D55D010-EU6DR3055659050-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6773.7 lumens
Efficiency: N/A
Efficacy: 116.4 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): 58.2
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

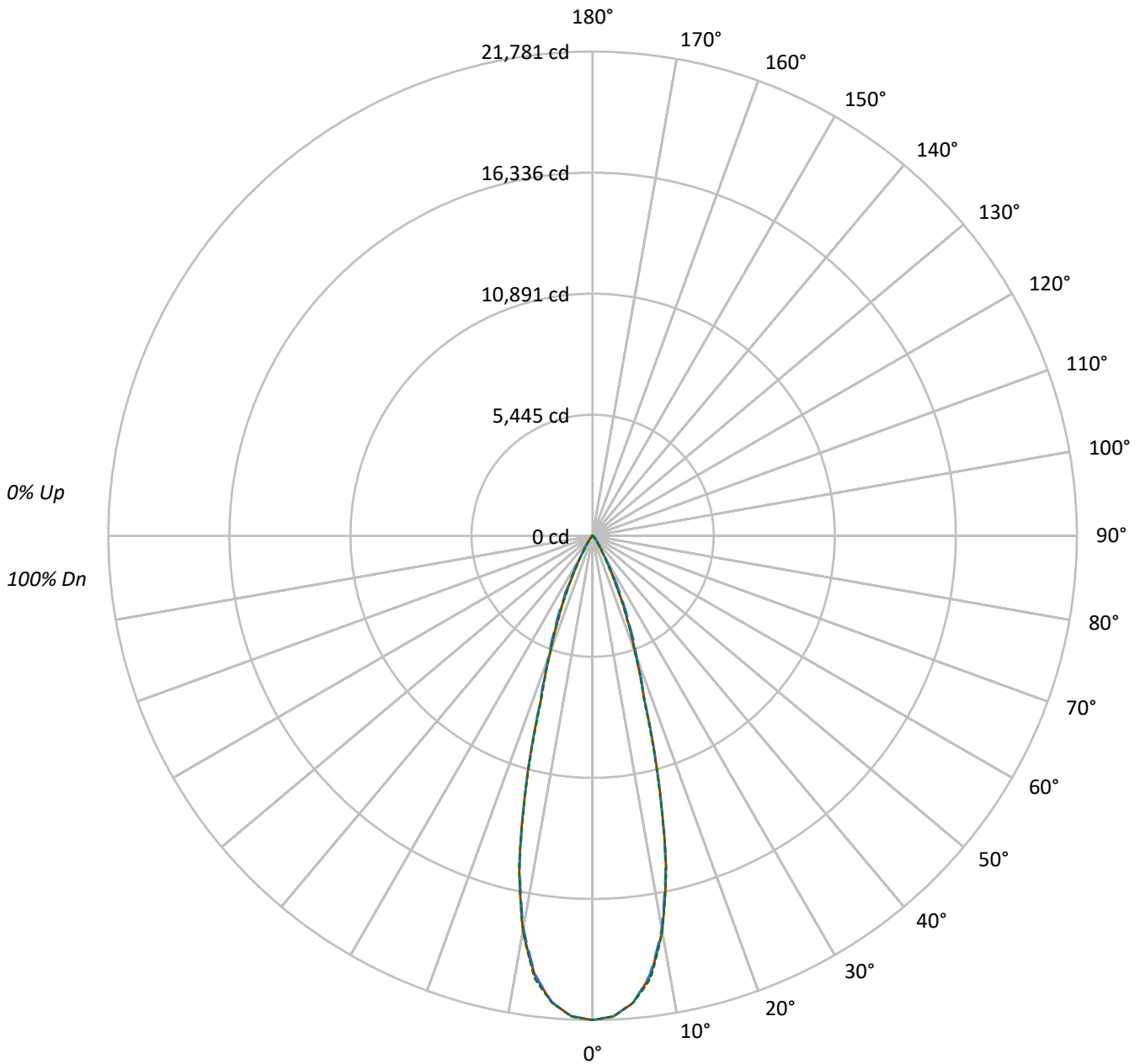


Downlight

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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	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°	1667176	1667176	1667176
5°	1619314	1617424	1619391
10°	1402572	1392678	1402238
15°	915105	910191	905619
20°	455036	472110	454434
25°	229214	258478	224519
30°	91770	99998	79962
35°	42563	40769	34172
40°	18375	20404	17306
45°	12968	16086	13076
50°	4454	11718	4716
55°	2562	4858	2709
60°	1806	2128	1806
65°	1159	1159	1159
70°	716	470	716
75°	0	325	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 16086 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1915.3	28.3
10°-20°	3084.6	45.5
20°-30°	1332.9	19.7
30°-40°	303.8	4.5
40°-50°	104.3	1.5
50°-60°	25.5	0.4
60°-70°	6.6	0.1
70°-80°	0.7	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°	6332.8	93.5
0°-40°	6636.6	98.0
0°-60°	6766.4	99.9
0°-90°	6773.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6773.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21781	21781	21781	21781	21781	
5°	21075	21055	21050	21094	21076	1917
15°	11548	11409	11486	11449	11428	3092
25°	2714	2817	3060	2745	2658	1299
35°	456	465	436	433	366	309
45°	120	149	149	149	121	85
55°	19	20	36	21	20	19
65°	6	6	6	6	6	6
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	21780.8	21780.8	21780.8	21780.8	21780.8
2.5°	21636.4	21621.4	21630.0	21640.7	21644.9
5°	21075.0	21054.7	21050.4	21094.2	21076.0
7.5°	19942.5	19913.6	19869.8	19969.3	20062.3
10°	18045.5	18013.4	17918.2	17965.3	18041.2
12.5°	15244.8	15141.1	15138.9	15288.7	15268.3
15°	11548.0	11409.0	11486.0	11448.6	11428.3
17.5°	7765.7	7712.2	7814.9	7783.9	7650.2
20°	5586.3	5600.2	5795.9	5697.6	5578.9
22.5°	4076.4	4126.7	4358.7	4105.3	4012.2
25°	2714.0	2816.7	3060.5	2745.1	2658.4
27.5°	1669.3	1716.3	1963.3	1647.9	1600.8
30°	1038.3	1014.8	1131.4	971.0	904.7
32.5°	681.2	651.2	688.7	618.1	564.6
35°	455.5	465.2	436.3	433.1	365.7
37.5°	284.5	327.2	288.7	308.0	235.3
40°	183.9	237.4	204.2	225.6	173.2
42.5°	150.8	182.9	167.9	178.6	154.0
45°	119.8	148.6	148.6	148.6	120.8
47.5°	66.3	99.5	127.3	101.6	70.6
50°	37.4	50.3	98.4	52.4	39.6
52.5°	25.7	28.9	67.4	29.9	26.7
55°	19.2	20.3	36.4	21.4	20.3
57.5°	15.0	16.0	19.2	16.0	15.0
60°	11.8	11.8	13.9	12.8	11.8
62.5°	8.6	8.6	9.6	8.6	8.6
65°	6.4	6.4	6.4	6.4	6.4
67.5°	3.2	4.3	4.3	4.3	4.3
70°	3.2	2.1	2.1	2.1	3.2
72.5°	2.1	1.1	1.1	1.1	1.1
75°	0.0	0.0	1.1	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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