

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: P767999

Luminaire Tested: LD6D55D010-EU6DR3055659050-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P767999
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-EU6DR3055659050-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 7112.4 lumens
Efficiency: N/A
Efficacy: 122.2 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

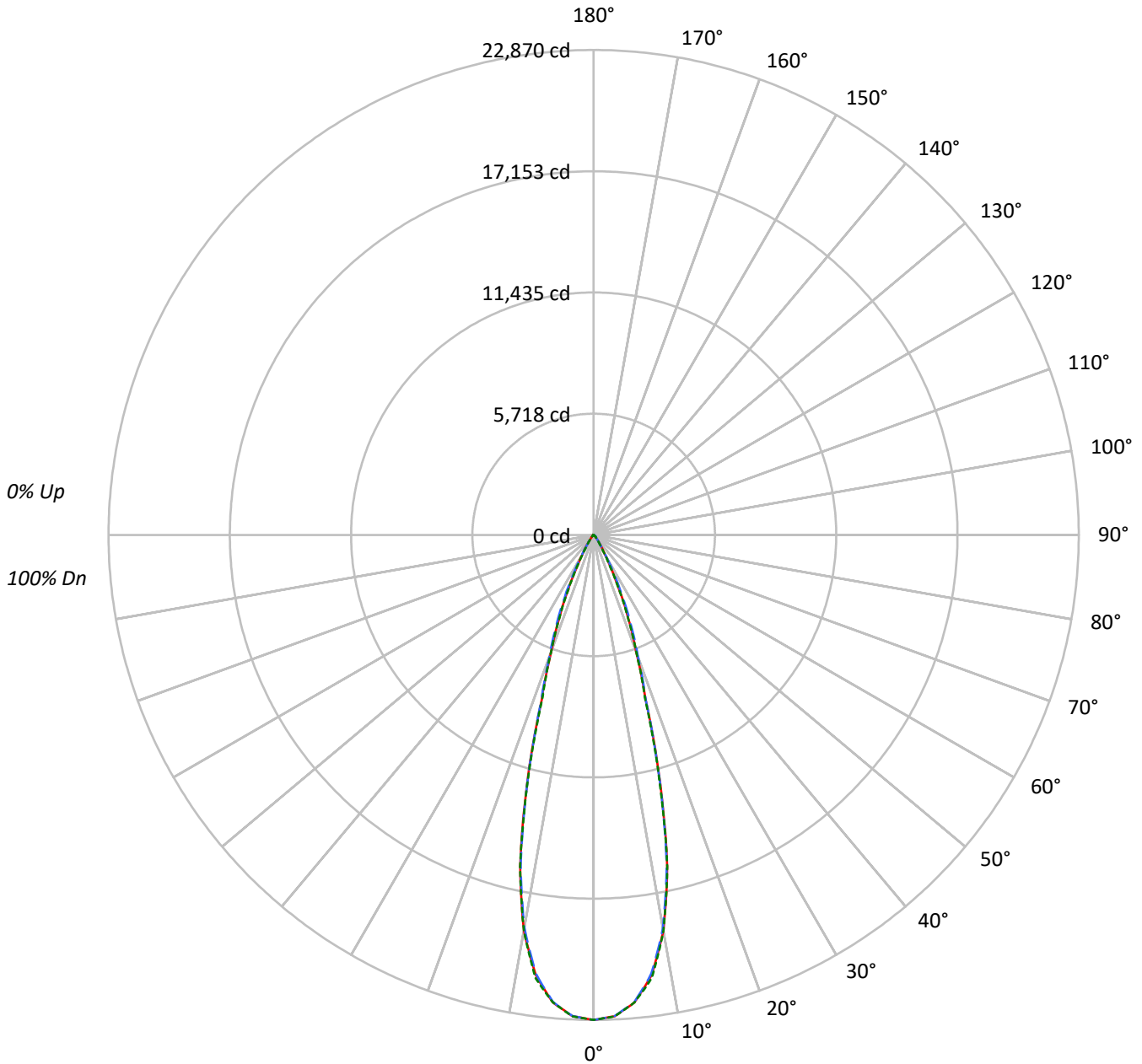


Downlight

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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°	1750532	1750532	1750532
5°	1700276	1698294	1700360
10°	1472695	1462311	1472353
15°	960860	955701	950899
20°	477795	495715	477152
25°	240675	271400	235751
30°	96366	105001	83957
35°	44693	42806	35882
40°	19295	21433	18176
45°	13618	16898	13737
50°	4680	12301	4942
55°	2696	5098	2842
60°	1898	2235	1898
65°	1213	1213	1213
70°	761	492	761
75°	0	325	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 16898 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2011.0	28.3
10°-20°	3238.8	45.5
20°-30°	1399.6	19.7
30°-40°	319.0	4.5
40°-50°	109.5	1.5
50°-60°	26.7	0.4
60°-70°	6.9	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°	6649.4	93.5
0°-40°	6968.4	98.0
0°-60°	7104.7	99.9
0°-90°	7112.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7112.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	22870	22870	22870	22870	22870	
5°	22129	22107	22103	22149	22130	2013
15°	12125	11980	12060	12021	12000	3247
25°	2850	2958	3214	2882	2791	1364
35°	478	488	458	455	384	324
45°	126	156	156	156	127	89
55°	20	21	38	22	21	20
65°	7	7	7	7	7	7
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°	22869.8	22869.8	22869.8	22869.8	22869.8
2.5°	22718.2	22702.5	22711.5	22722.7	22727.2
5°	22128.7	22107.4	22102.9	22148.9	22129.8
7.5°	20939.6	20909.3	20863.3	20967.7	21065.4
10°	18947.7	18914.1	18814.1	18863.5	18943.3
12.5°	16007.1	15898.1	15895.9	16053.1	16031.8
15°	12125.4	11979.5	12060.3	12021.0	11999.7
17.5°	8154.0	8097.8	8205.6	8173.1	8032.7
20°	5865.7	5880.3	6085.7	5982.4	5857.8
22.5°	4280.2	4333.0	4576.7	4310.5	4212.9
25°	2849.7	2957.5	3213.5	2882.3	2791.4
27.5°	1752.7	1802.1	2061.5	1730.3	1680.9
30°	1090.3	1065.6	1188.0	1019.5	949.9
32.5°	715.2	683.8	723.1	649.0	592.9
35°	478.3	488.4	458.1	454.7	384.0
37.5°	298.7	343.6	303.2	323.4	247.0
40°	193.1	249.3	214.5	236.9	181.9
42.5°	158.3	192.0	176.3	187.5	161.7
45°	125.8	156.1	156.1	156.1	126.9
47.5°	69.6	104.4	133.6	106.7	74.1
50°	39.3	52.8	103.3	55.0	41.5
52.5°	26.9	30.3	70.7	31.4	28.1
55°	20.2	21.3	38.2	22.5	21.3
57.5°	15.7	16.8	20.2	16.8	15.7
60°	12.4	12.4	14.6	13.5	12.4
62.5°	9.0	9.0	10.1	9.0	9.0
65°	6.7	6.7	6.7	6.7	6.7
67.5°	3.4	4.5	4.5	4.5	4.5
70°	3.4	2.2	2.2	2.2	3.4
72.5°	2.2	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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