

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: P793744

Luminaire Tested: LER6D55D010-EC6DR3055659030-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P793744
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: LER6D55D010-EC6DR3055659030-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6358.3 lumens
Efficiency: N/A
Efficacy: 109.2 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

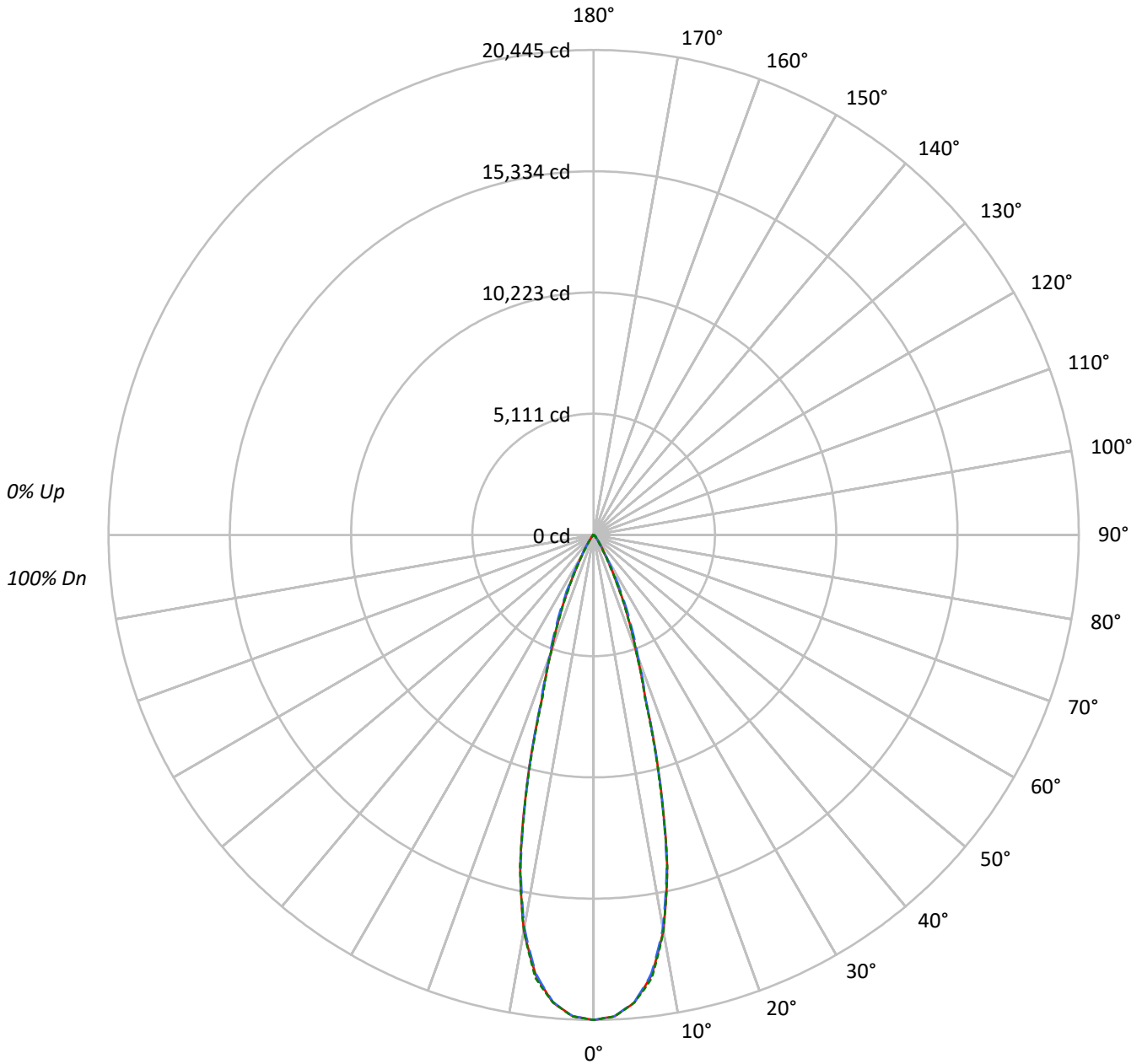


Downlight

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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°	1564930	1564930	1564930
5°	1520004	1518229	1520081
10°	1316555	1307274	1316244
15°	858984	854372	850077
20°	427138	443160	426559
25°	215161	242626	210752
30°	86149	93865	75056
35°	39956	38265	32079
40°	17256	19155	16247
45°	12167	15101	12275
50°	4180	10991	4418
55°	2415	4551	2549
60°	1684	1990	1684
65°	1087	1087	1087
70°	671	448	671
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 15101 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1797.8	28.3
10°-20°	2895.4	45.5
20°-30°	1251.2	19.7
30°-40°	285.2	4.5
40°-50°	97.9	1.5
50°-60°	23.9	0.4
60°-70°	6.2	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°	5944.4	93.5
0°-40°	6229.6	98.0
0°-60°	6351.4	99.9
0°-90°	6358.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6358.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20445	20445	20445	20445	20445	
5°	19782	19763	19759	19801	19784	1799
15°	10840	10709	10782	10746	10727	2903
25°	2548	2644	2873	2577	2495	1219
35°	428	437	410	406	343	290
45°	112	140	140	140	113	80
55°	18	19	34	20	19	18
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°	20445.0	20445.0	20445.0	20445.0	20445.0
2.5°	20309.5	20295.4	20303.5	20313.5	20317.5
5°	19782.5	19763.4	19759.4	19800.6	19783.5
7.5°	18719.5	18692.4	18651.3	18744.6	18831.9
10°	16938.8	16908.7	16819.4	16863.5	16934.8
12.5°	14309.9	14212.5	14210.5	14351.1	14332.0
15°	10839.8	10709.3	10781.6	10746.5	10727.4
17.5°	7289.5	7239.3	7335.6	7306.5	7181.0
20°	5243.8	5256.8	5440.5	5348.1	5236.7
22.5°	3826.4	3873.6	4091.4	3853.5	3766.2
25°	2547.6	2644.0	2872.8	2576.7	2495.4
27.5°	1566.9	1611.1	1842.9	1546.8	1502.7
30°	974.7	952.6	1062.0	911.4	849.2
32.5°	639.4	611.3	646.4	580.2	530.0
35°	427.6	436.6	409.5	406.5	343.3
37.5°	267.0	307.2	271.0	289.1	220.8
40°	172.7	222.8	191.7	211.8	162.6
42.5°	141.5	171.6	157.6	167.6	144.5
45°	112.4	139.5	139.5	139.5	113.4
47.5°	62.2	93.4	119.4	95.4	66.2
50°	35.1	47.2	92.3	49.2	37.1
52.5°	24.1	27.1	63.2	28.1	25.1
55°	18.1	19.1	34.1	20.1	19.1
57.5°	14.1	15.1	18.1	15.1	14.1
60°	11.0	11.0	13.0	12.0	11.0
62.5°	8.0	8.0	9.0	8.0	8.0
65°	6.0	6.0	6.0	6.0	6.0
67.5°	3.0	4.0	4.0	4.0	4.0
70°	3.0	2.0	2.0	2.0	3.0
72.5°	2.0	1.0	1.0	1.0	1.0
75°	0.0	0.0	1.0	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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