

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: P794220

Luminaire Tested: LER6D60D010-EC6DR3055659027-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P794220
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: LER6D60D010-EC6DR3055659027-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7144.0 lumens
Efficiency: N/A
Efficacy: 110.9 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): 64.4
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

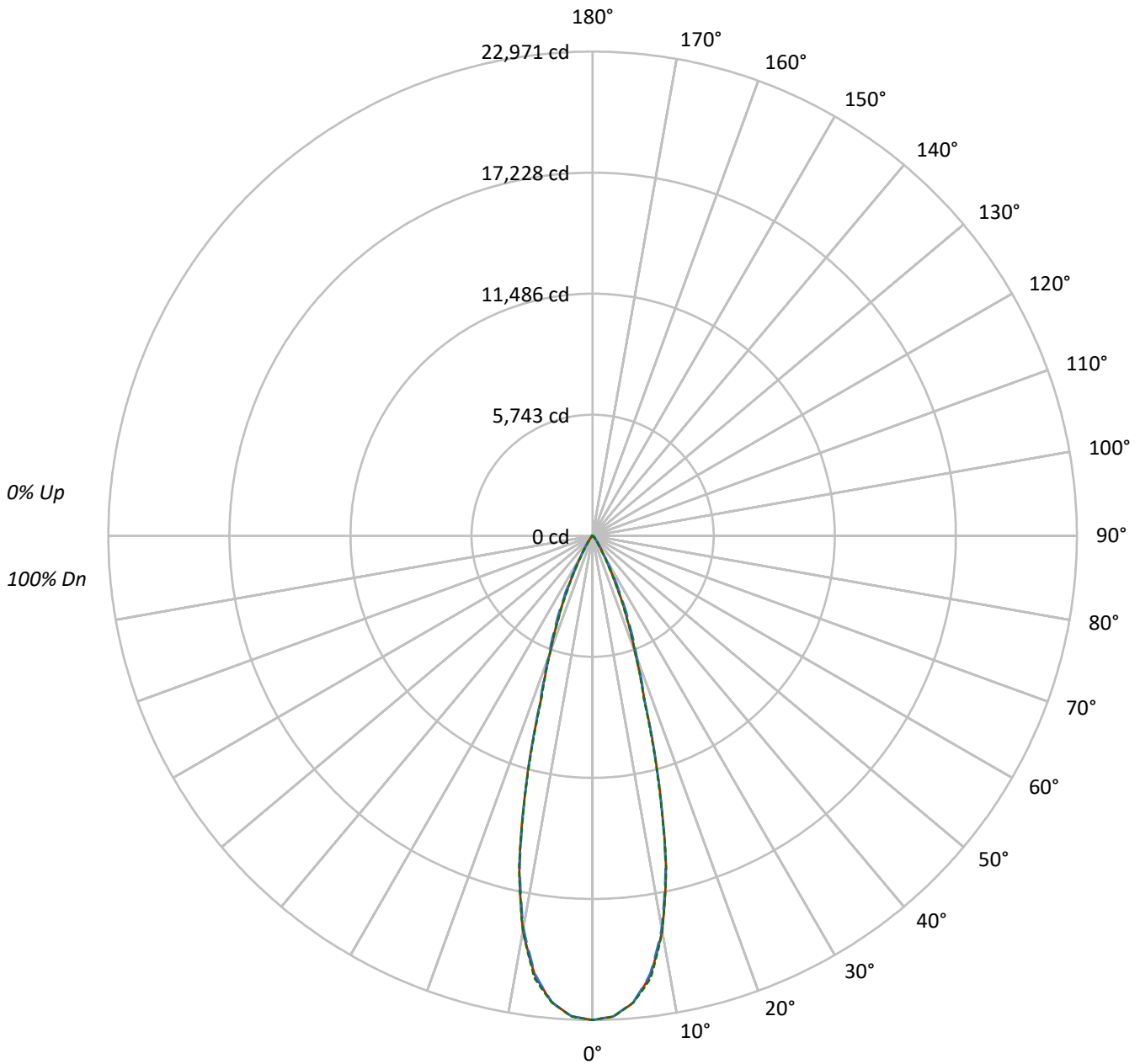


Downlight

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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	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°	1758301	1758301	1758301
5°	1707821	1705831	1707906
10°	1479231	1468801	1478882
15°	965123	959941	955115
20°	479913	497915	479270
25°	241748	272608	236790
30°	96790	105461	84328
35°	44890	42993	36041
40°	19385	21523	18255
45°	13672	16973	13791
50°	4704	12361	4966
55°	2709	5111	2856
60°	1898	2250	1898
65°	1232	1232	1232
70°	761	515	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: 16973 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2020.0	28.3
10°-20°	3253.2	45.5
20°-30°	1405.8	19.7
30°-40°	320.4	4.5
40°-50°	110.0	1.5
50°-60°	26.9	0.4
60°-70°	7.0	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°	6679.0	93.5
0°-40°	6999.4	98.0
0°-60°	7136.3	99.9
0°-90°	7144.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7144.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	22971	22971	22971	22971	22971	
5°	22227	22206	22201	22247	22228	2022
15°	12179	12033	12114	12074	12053	3261
25°	2862	2971	3228	2895	2804	1370
35°	480	491	460	457	386	326
45°	126	157	157	157	127	90
55°	20	21	38	23	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°	22971.3	22971.3	22971.3	22971.3	22971.3
2.5°	22819.0	22803.2	22812.3	22823.5	22828.0
5°	22226.9	22205.5	22201.0	22247.2	22228.0
7.5°	21032.6	21002.1	20955.9	21060.8	21158.9
10°	19031.8	18998.0	18897.6	18947.2	19027.3
12.5°	16078.1	15968.7	15966.4	16124.3	16102.9
15°	12179.2	12032.6	12113.8	12074.4	12052.9
17.5°	8190.2	8133.8	8242.0	8209.3	8068.4
20°	5891.7	5906.4	6112.7	6009.0	5883.8
22.5°	4299.2	4352.2	4597.0	4329.7	4231.6
25°	2862.4	2970.7	3227.8	2895.1	2803.7
27.5°	1760.5	1810.1	2070.7	1738.0	1688.3
30°	1095.1	1070.3	1193.2	1024.1	954.1
32.5°	718.4	686.8	726.3	651.9	595.5
35°	480.4	490.6	460.1	456.8	385.7
37.5°	300.0	345.1	304.5	324.8	248.1
40°	194.0	250.4	215.4	238.0	182.7
42.5°	159.0	192.9	177.1	188.3	162.4
45°	126.3	156.8	156.8	156.8	127.4
47.5°	69.9	104.9	134.2	107.1	74.4
50°	39.5	53.0	103.8	55.3	41.7
52.5°	27.1	30.5	71.1	31.6	28.2
55°	20.3	21.4	38.3	22.6	21.4
57.5°	15.8	16.9	20.3	16.9	15.8
60°	12.4	12.4	14.7	13.5	12.4
62.5°	9.0	9.0	10.2	9.0	9.0
65°	6.8	6.8	6.8	6.8	6.8
67.5°	3.4	4.5	4.5	4.5	4.5
70°	3.4	2.3	2.3	2.3	3.4
72.5°	2.3	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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