

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: P794248

Luminaire Tested: LER6D60D010-EC6DR3055659050-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P794248
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-EC6DR3055659050-6LBDP1H
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: 7448.7 lumens
Efficiency: N/A
Efficacy: 115.7 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

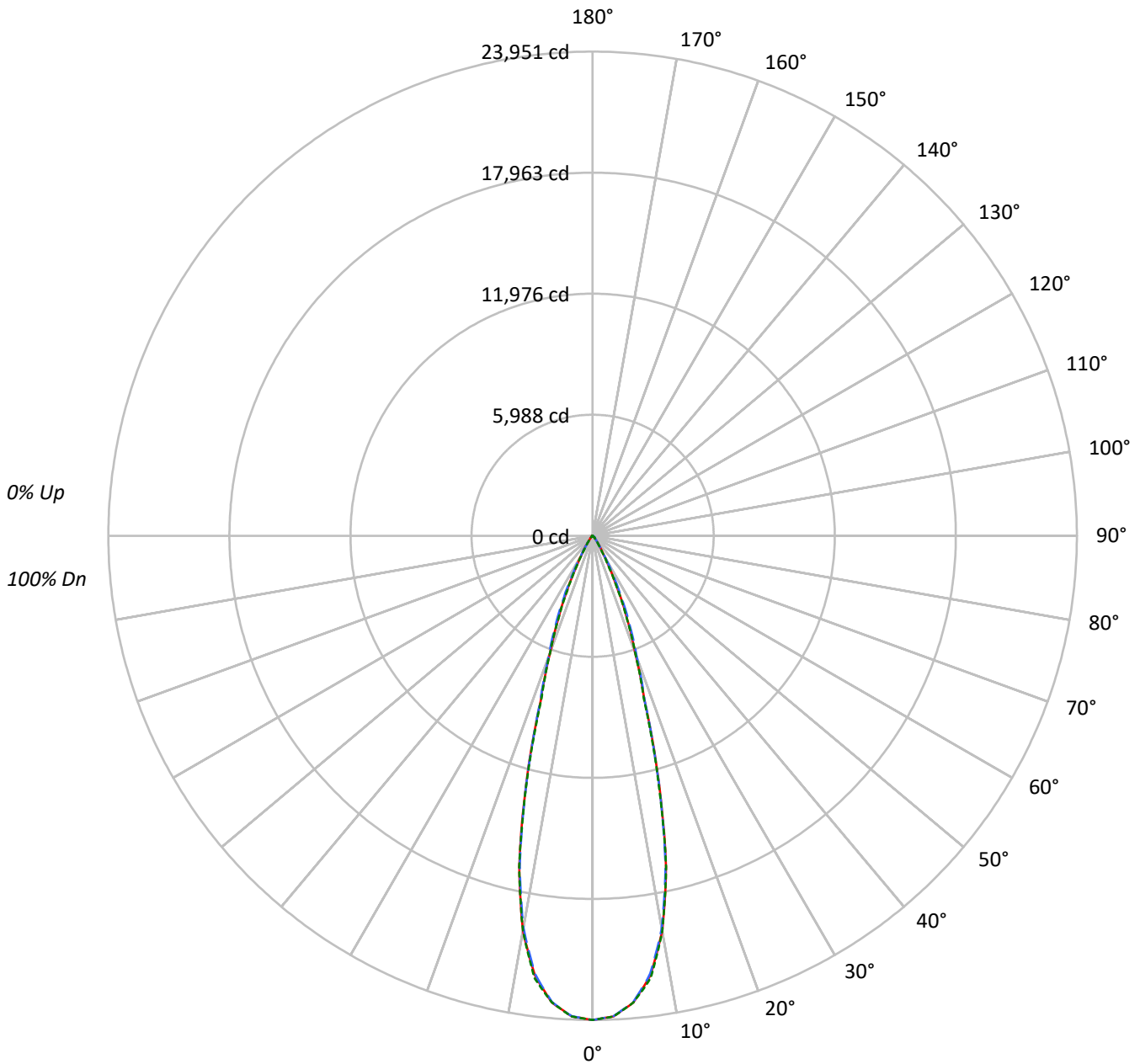


Downlight

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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	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°	1833291	1833291	1833291
5°	1780662	1778587	1780754
10°	1542328	1531447	1541955
15°	1006290	1000886	995854
20°	500383	519158	499707
25°	252060	284238	246891
30°	100918	109959	87925
35°	46805	44834	37582
40°	20214	22442	19035
45°	14256	17699	14386
50°	4906	12884	5180
55°	2829	5338	2976
60°	1975	2342	1975
65°	1286	1286	1286
70°	783	537	783
75°	0	355	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 17699 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2106.1	28.3
10°-20°	3391.9	45.5
20°-30°	1465.7	19.7
30°-40°	334.1	4.5
40°-50°	114.7	1.5
50°-60°	28.0	0.4
60°-70°	7.3	0.1
70°-80°	0.8	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°	6963.8	93.5
0°-40°	7297.9	98.0
0°-60°	7440.6	99.9
0°-90°	7448.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7448.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	23951	23951	23951	23951	23951	
5°	23175	23153	23148	23196	23176	2108
15°	12699	12546	12630	12589	12567	3400
25°	2984	3097	3366	3019	2923	1429
35°	501	512	480	476	402	340
45°	132	164	164	164	133	93
55°	21	22	40	24	22	21
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°	23951.0	23951.0	23951.0	23951.0	23951.0
2.5°	23792.3	23775.8	23785.2	23797.0	23801.7
5°	23174.9	23152.6	23147.9	23196.1	23176.1
7.5°	21929.6	21897.9	21849.7	21959.0	22061.3
10°	19843.6	19808.3	19703.6	19755.4	19838.8
12.5°	16763.8	16649.8	16647.4	16812.0	16789.7
15°	12698.7	12545.8	12630.5	12589.3	12567.0
17.5°	8539.5	8480.7	8593.6	8559.5	8412.5
20°	6143.0	6158.3	6373.5	6265.3	6134.7
22.5°	4482.6	4537.9	4793.0	4514.3	4412.0
25°	2984.5	3097.4	3365.5	3018.6	2923.3
27.5°	1835.6	1887.3	2159.0	1812.1	1760.3
30°	1141.8	1115.9	1244.1	1067.7	994.8
32.5°	749.1	716.1	757.3	679.7	620.9
35°	500.9	511.5	479.8	476.2	402.2
37.5°	312.8	359.8	317.5	338.7	258.7
40°	202.3	261.1	224.6	248.1	190.5
42.5°	165.8	201.1	184.6	196.4	169.3
45°	131.7	163.5	163.5	163.5	132.9
47.5°	72.9	109.4	139.9	111.7	77.6
50°	41.2	55.3	108.2	57.6	43.5
52.5°	28.2	31.7	74.1	32.9	29.4
55°	21.2	22.3	40.0	23.5	22.3
57.5°	16.5	17.6	21.2	17.6	16.5
60°	12.9	12.9	15.3	14.1	12.9
62.5°	9.4	9.4	10.6	9.4	9.4
65°	7.1	7.1	7.1	7.1	7.1
67.5°	3.5	4.7	4.7	4.7	4.7
70°	3.5	2.4	2.4	2.4	3.5
72.5°	2.4	1.2	1.2	1.2	1.2
75°	0.0	0.0	1.2	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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