

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P794253

Luminaire Tested: LER6D60D010-EC6DR3055659050-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P794253
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-EC6DR3055659050-6LBS1LI
Description: 6 INCH ROUND SHALLOW 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: 8232.7 lumens
Efficiency: N/A
Efficacy: 127.8 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

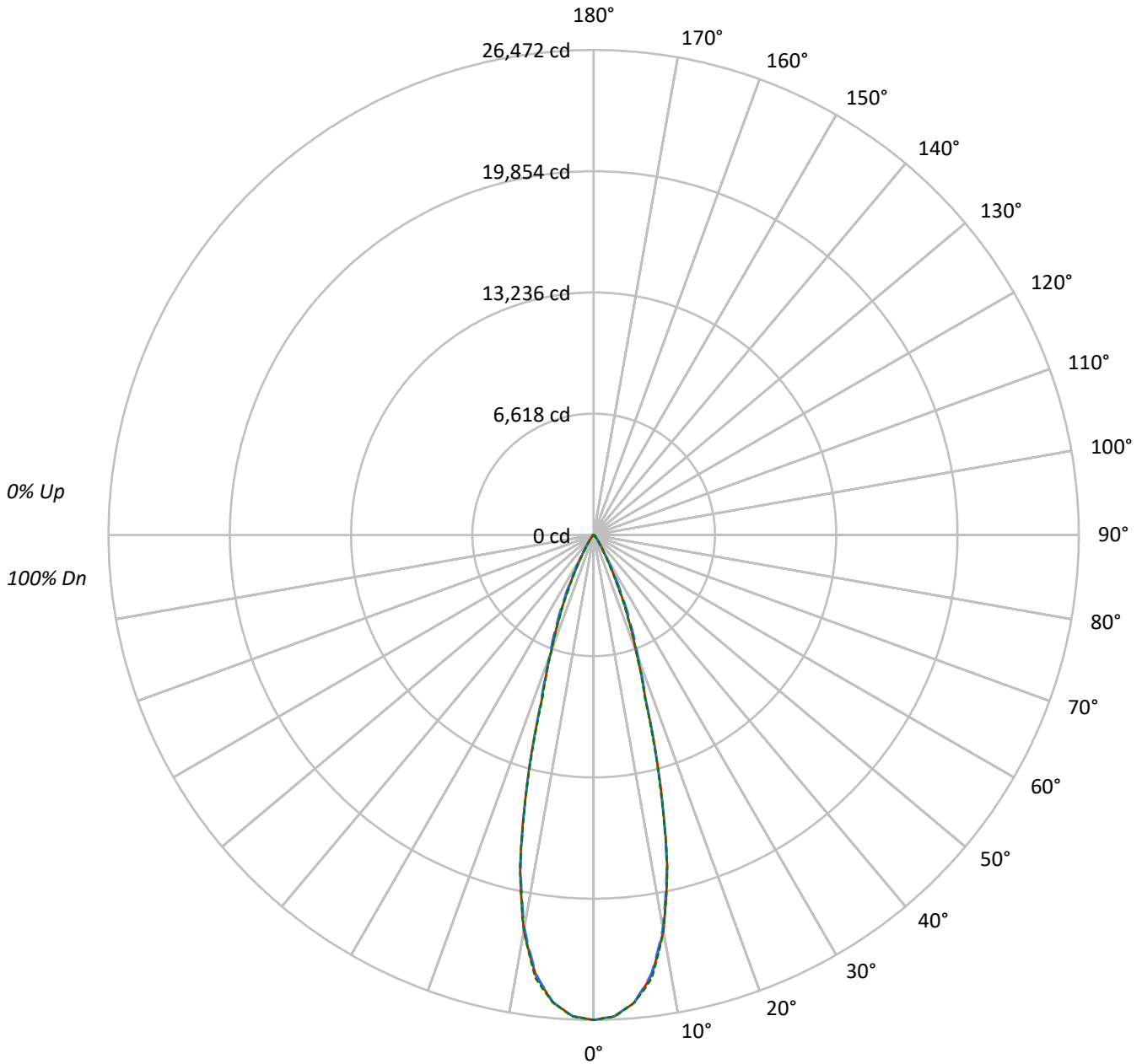
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P794253
CATALOG NUMBER: LER6D60D010-EC6DR3055659050-6LBS1LI

Luminous Intensity Polar Plot





TEST NUMBER: P794253

CATALOG NUMBER: LER6D60D010-EC6DR3055659050-6LBS1LI

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°	2026272	2026272	2026272
5°	1968102	1965805	1968202
10°	1704670	1692654	1704266
15°	1112215	1106240	1100677
20°	553052	573799	552311
25°	278588	314152	272878
30°	111541	121538	97179
35°	51739	49552	41535
40°	22332	24800	21043
45°	15761	19561	15902
50°	5418	14242	5728
55°	3123	5898	3296
60°	2189	2587	2189
65°	1413	1413	1413
70°	873	582	873
75°	0	384	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 19561 cd/sqm



TEST NUMBER: P794253

CATALOG NUMBER: LER6D60D010-EC6DR3055659050-6LBS1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2327.8	28.3
10°-20°	3749.0	45.5
20°-30°	1620.0	19.7
30°-40°	369.2	4.5
40°-50°	126.8	1.5
50°-60°	31.0	0.4
60°-70°	8.0	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°	7696.8	93.5
0°-40°	8066.1	98.0
0°-60°	8223.9	99.9
0°-90°	8232.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8232.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	26472	26472	26472	26472	26472	
5°	25614	25590	25584	25638	25616	2330
15°	14035	13866	13960	13914	13890	3758
25°	3299	3423	3720	3336	3231	1579
35°	554	565	530	526	444	376
45°	146	181	181	181	147	103
55°	23	25	44	26	25	23
65°	8	8	8	8	8	8
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P794253

CATALOG NUMBER: LER6D60D010-EC6DR3055659050-6LBS1LI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	26472.2	26472.2	26472.2	26472.2	26472.2
2.5°	26296.7	26278.5	26288.9	26301.9	26307.1
5°	25614.4	25589.7	25584.5	25637.8	25615.7
7.5°	24238.0	24202.9	24149.6	24270.5	24383.6
10°	21932.3	21893.4	21777.7	21834.9	21927.1
12.5°	18528.4	18402.4	18399.8	18581.7	18557.0
15°	14035.4	13866.4	13960.0	13914.5	13889.8
17.5°	9438.4	9373.4	9498.2	9460.5	9298.0
20°	6789.6	6806.5	7044.3	6924.8	6780.5
22.5°	4954.4	5015.5	5297.6	4989.5	4876.5
25°	3298.6	3423.4	3719.7	3336.3	3231.0
27.5°	2028.8	2086.0	2386.2	2002.8	1945.6
30°	1262.0	1233.4	1375.1	1180.1	1099.5
32.5°	827.9	791.5	837.0	751.2	686.2
35°	553.7	565.4	530.3	526.4	444.5
37.5°	345.7	397.7	350.9	374.3	285.9
40°	223.5	288.5	248.2	274.2	210.6
42.5°	183.3	222.2	204.1	217.0	187.2
45°	145.6	180.7	180.7	180.7	146.9
47.5°	80.6	120.9	154.7	123.5	85.8
50°	45.5	61.1	119.6	63.7	48.1
52.5°	31.2	35.1	81.9	36.4	32.5
55°	23.4	24.7	44.2	26.0	24.7
57.5°	18.2	19.5	23.4	19.5	18.2
60°	14.3	14.3	16.9	15.6	14.3
62.5°	10.4	10.4	11.7	10.4	10.4
65°	7.8	7.8	7.8	7.8	7.8
67.5°	3.9	5.2	5.2	5.2	5.2
70°	3.9	2.6	2.6	2.6	3.9
72.5°	2.6	1.3	1.3	1.3	1.3
75°	0.0	0.0	1.3	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



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)