

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: P793276

Luminaire Tested: LER6D50D010-EC6DR3040509035-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P793276
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: LER6D50D010-EC6DR3040509035-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5982.2 lumens
Efficiency: N/A
Efficacy: 127.3 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): 47
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

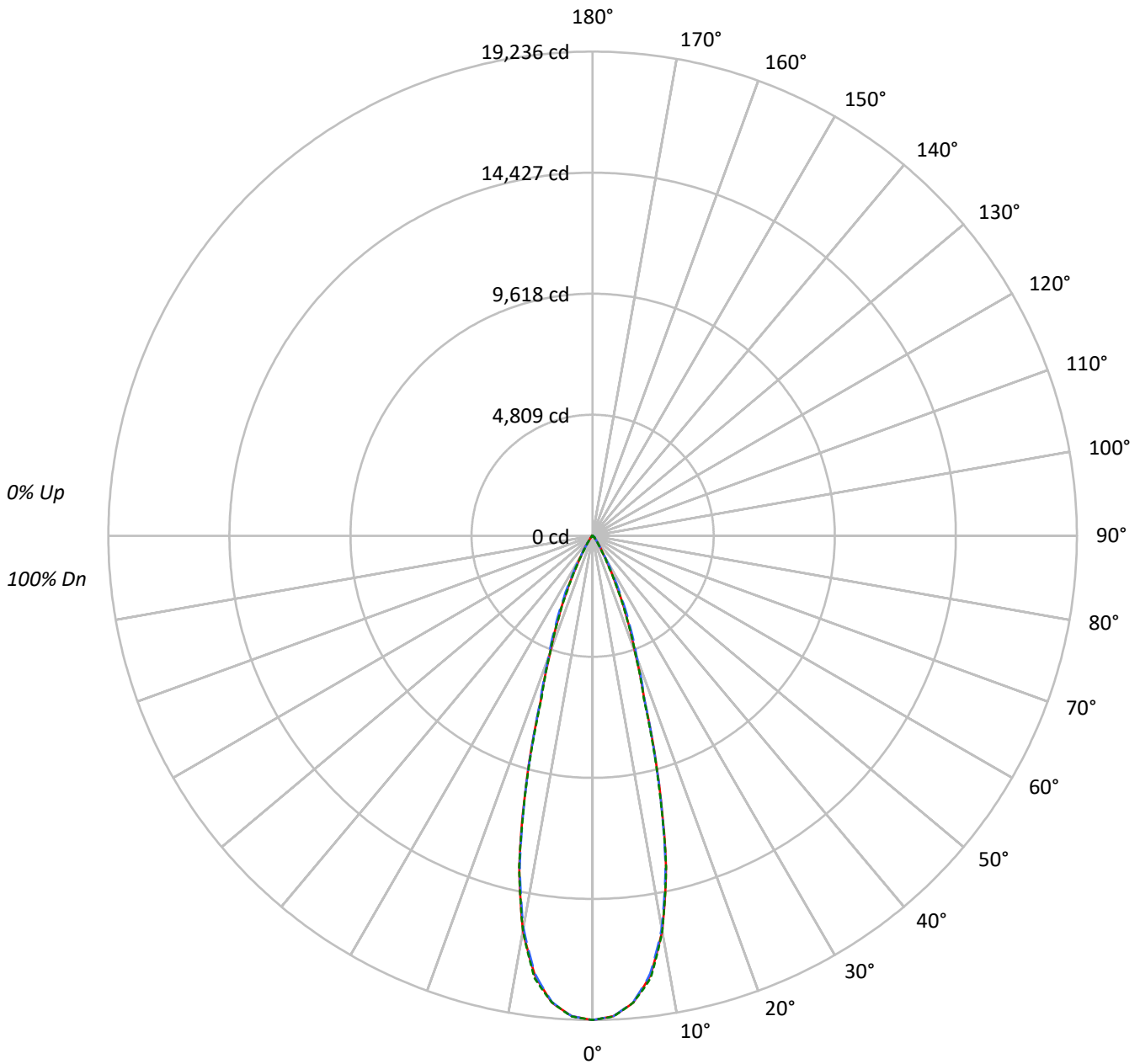


Downlight

TEST NUMBER: P793276

CATALOG NUMBER: LER6D50D010-EC6DR3040509035-6LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P793276

CATALOG NUMBER: LER6D50D010-EC6DR3040509035-6LBS1H

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						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1472358	1472358	1472358
5°	1430091	1428423	1430160
10°	1238675	1229939	1238380
15°	808173	803831	799789
20°	401870	416948	401324
25°	202433	228277	198286
30°	81049	88314	70619
35°	37592	36003	30182
40°	16227	18026	15288
45°	11453	14213	11550
50°	3942	10348	4156
55°	2269	4284	2389
60°	1592	1883	1592
65°	1032	1032	1032
70°	627	425	627
75°	0	266	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 14213 cd/sqm



TEST NUMBER: P793276

CATALOG NUMBER: LER6D50D010-EC6DR3040509035-6LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1691.5	28.3
10°-20°	2724.1	45.5
20°-30°	1177.2	19.7
30°-40°	268.3	4.5
40°-50°	92.1	1.5
50°-60°	22.5	0.4
60°-70°	5.9	0.1
70°-80°	0.6	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°	5592.8	93.5
0°-40°	5861.1	98.0
0°-60°	5975.7	99.9
0°-90°	5982.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5982.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19236	19236	19236	19236	19236	
5°	18612	18594	18591	18629	18613	1693
15°	10199	10076	10144	10111	10093	2731
25°	2397	2488	2703	2424	2348	1147
35°	402	411	385	382	323	273
45°	106	131	131	131	107	75
55°	17	18	32	19	18	17
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



TEST NUMBER: P793276

CATALOG NUMBER: LER6D50D010-EC6DR3040509035-6LBS1H

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	19235.6	19235.6	19235.6	19235.6	19235.6
2.5°	19108.1	19094.9	19102.4	19111.9	19115.7
5°	18612.3	18594.3	18590.6	18629.3	18613.2
7.5°	17612.2	17586.7	17547.9	17635.8	17717.9
10°	15936.8	15908.5	15824.4	15866.0	15933.0
12.5°	13463.4	13371.8	13369.9	13502.1	13484.2
15°	10198.6	10075.8	10143.8	10110.8	10092.8
17.5°	6858.3	6811.0	6901.7	6874.3	6756.3
20°	4933.6	4945.8	5118.7	5031.8	4926.9
22.5°	3600.1	3644.4	3849.4	3625.6	3543.4
25°	2396.9	2487.6	2702.9	2424.3	2347.8
27.5°	1474.2	1515.8	1733.9	1455.3	1413.8
30°	917.0	896.2	999.2	857.5	799.0
32.5°	601.6	575.1	608.2	545.9	498.6
35°	402.3	410.8	385.3	382.5	323.0
37.5°	251.2	289.0	255.0	272.0	207.8
40°	162.4	209.7	180.4	199.3	153.0
42.5°	133.2	161.5	148.3	157.7	136.0
45°	105.8	131.3	131.3	131.3	106.7
47.5°	58.6	87.8	112.4	89.7	62.3
50°	33.1	44.4	86.9	46.3	34.9
52.5°	22.7	25.5	59.5	26.4	23.6
55°	17.0	17.9	32.1	18.9	17.9
57.5°	13.2	14.2	17.0	14.2	13.2
60°	10.4	10.4	12.3	11.3	10.4
62.5°	7.6	7.6	8.5	7.6	7.6
65°	5.7	5.7	5.7	5.7	5.7
67.5°	2.8	3.8	3.8	3.8	3.8
70°	2.8	1.9	1.9	1.9	2.8
72.5°	1.9	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.9	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)