

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: P793263

Luminaire Tested: LER6D50D010-EC6DR3040509030-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P793263
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-EC6DR3040509030-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4527.7 lumens
Efficiency: N/A
Efficacy: 96.3 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

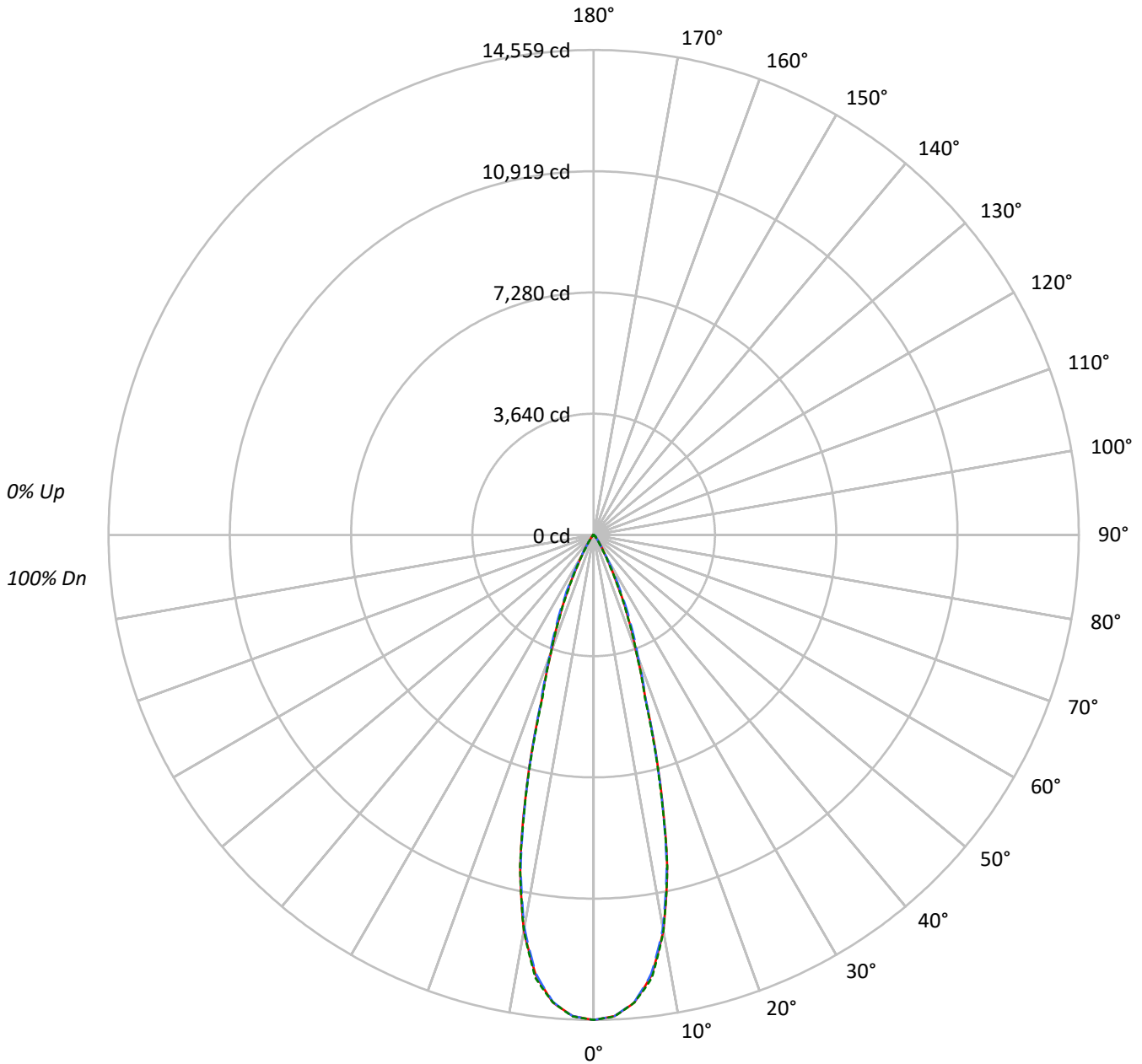
Input Watts (W): 47
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P793263
CATALOG NUMBER: LER6D50D010-EC6DR3040509030-6LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P793263

CATALOG NUMBER: LER6D50D010-EC6DR3040509030-6LBDP1B

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°	1114380	1114380	1114380
5°	1082386	1081126	1082439
10°	937509	930903	937292
15°	611681	608392	605334
20°	304156	315568	303749
25°	153212	172772	150079
30°	61348	66837	53446
35°	28453	27248	22847
40°	12280	13639	11571
45°	8671	10760	8746
50°	2977	7835	3144
55°	1721	3243	1815
60°	1209	1424	1209
65°	779	779	779
70°	470	313	470
75°	0	207	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 10760 cd/sqm



TEST NUMBER: P793263

CATALOG NUMBER: LER6D50D010-EC6DR3040509030-6LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1280.2	28.3
10°-20°	2061.8	45.5
20°-30°	891.0	19.7
30°-40°	203.1	4.5
40°-50°	69.7	1.5
50°-60°	17.0	0.4
60°-70°	4.4	0.1
70°-80°	0.5	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°	4233.0	93.5
0°-40°	4436.1	98.0
0°-60°	4522.8	99.9
0°-90°	4527.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4527.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14559	14559	14559	14559	14559	
5°	14087	14073	14071	14100	14088	1281
15°	7719	7626	7678	7652	7639	2067
25°	1814	1883	2046	1835	1777	868
35°	304	311	292	290	244	207
45°	80	99	99	99	81	57
55°	13	14	24	14	14	13
65°	4	4	4	4	4	4
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P793263

CATALOG NUMBER: LER6D50D010-EC6DR3040509030-6LBDP1B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	14558.8	14558.8	14558.8	14558.8	14558.8
2.5°	14462.3	14452.3	14458.0	14465.1	14468.0
5°	14087.0	14073.4	14070.6	14099.9	14087.7
7.5°	13330.0	13310.7	13281.4	13347.9	13410.1
10°	12062.0	12040.6	11977.0	12008.4	12059.2
12.5°	10190.0	10120.7	10119.2	10219.3	10205.7
15°	7719.0	7626.1	7677.5	7652.5	7638.9
17.5°	5190.8	5155.0	5223.7	5202.9	5113.6
20°	3734.0	3743.3	3874.1	3808.4	3729.0
22.5°	2724.8	2758.4	2913.5	2744.1	2681.9
25°	1814.1	1882.7	2045.7	1834.9	1777.0
27.5°	1115.8	1147.2	1312.3	1101.5	1070.0
30°	694.1	678.3	756.2	649.0	604.7
32.5°	455.3	435.3	460.3	413.1	377.4
35°	304.5	310.9	291.6	289.5	244.5
37.5°	190.1	218.7	193.0	205.9	157.3
40°	122.9	158.7	136.5	150.8	115.8
42.5°	100.8	122.2	112.2	119.4	102.9
45°	80.1	99.4	99.4	99.4	80.8
47.5°	44.3	66.5	85.1	67.9	47.2
50°	25.0	33.6	65.8	35.0	26.4
52.5°	17.2	19.3	45.0	20.0	17.9
55°	12.9	13.6	24.3	14.3	13.6
57.5°	10.0	10.7	12.9	10.7	10.0
60°	7.9	7.9	9.3	8.6	7.9
62.5°	5.7	5.7	6.4	5.7	5.7
65°	4.3	4.3	4.3	4.3	4.3
67.5°	2.1	2.9	2.9	2.9	2.9
70°	2.1	1.4	1.4	1.4	2.1
72.5°	1.4	0.7	0.7	0.7	0.7
75°	0.0	0.0	0.7	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)