

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: P788987

Luminaire Tested: LER6D10D010-EC6DR300210IC9050-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788987
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: LER6D10D010-EC6DR300210IC9050-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1874.3 lumens
Efficiency: N/A
Efficacy: 160.2 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

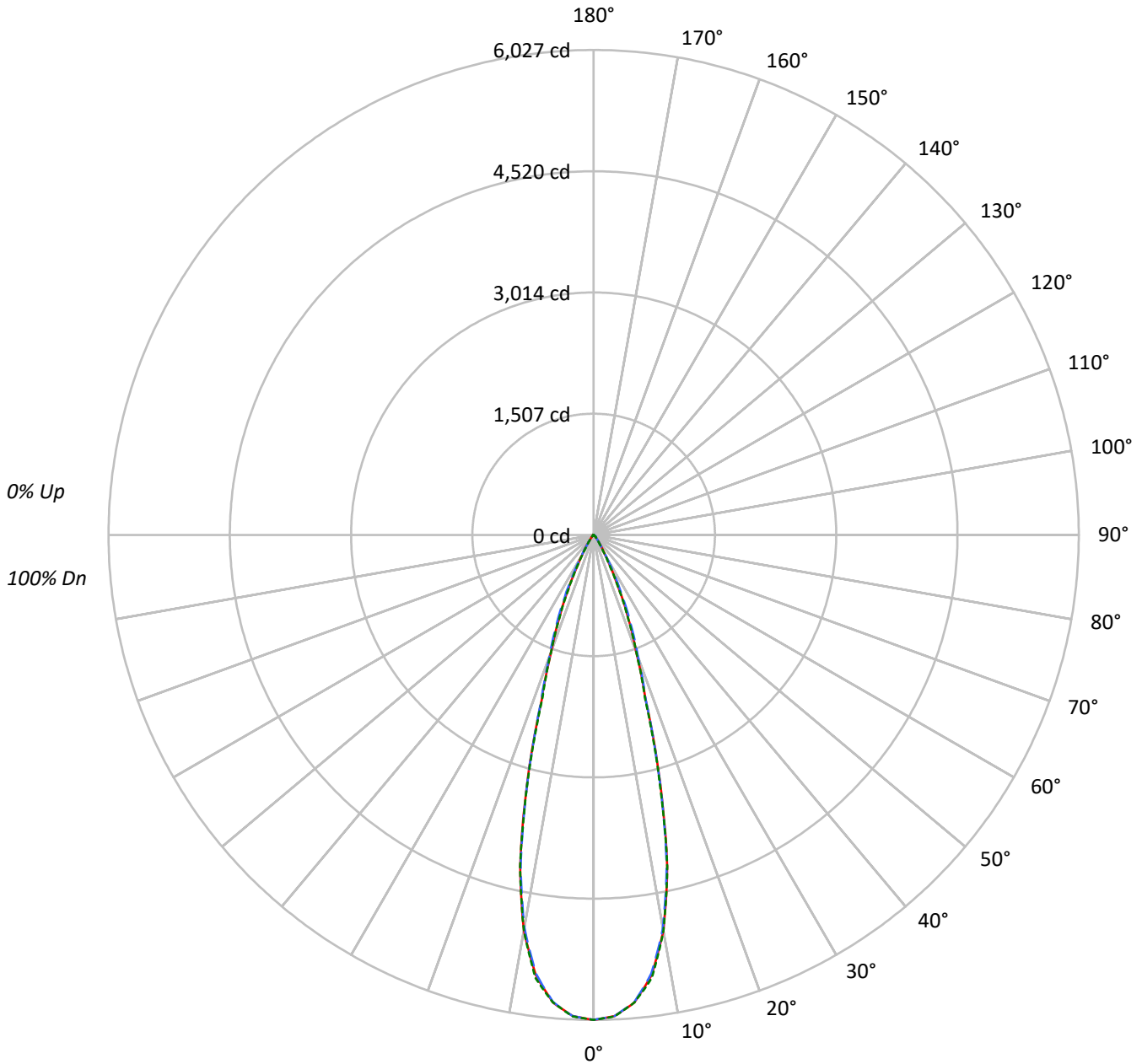
Input Watts (W): 11.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P788987
CATALOG NUMBER: LER6D10D010-EC6DR300210IC9050-6LBS1B

Luminous Intensity Polar Plot





TEST NUMBER: P788987

CATALOG NUMBER: LER6D10D010-EC6DR300210IC9050-6LBS1B

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°	461304	461304	461304
5°	448060	447538	448083
10°	388092	385349	387999
15°	253207	251852	250584
20°	125906	130631	125743
25°	63427	71518	62126
30°	25393	27673	22123
35°	11774	11278	9456
40°	5086	5645	4786
45°	3583	4449	3616
50°	1238	3239	1298
55°	707	1348	747
60°	505	582	505
65°	326	326	326
70°	201	134	201
75°	0	89	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 4449 cd/sqm



TEST NUMBER: P788987

CATALOG NUMBER: LER6D10D010-EC6DR300210IC9050-6LBS1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	530.0	28.3
10°-20°	853.5	45.5
20°-30°	368.8	19.7
30°-40°	84.1	4.5
40°-50°	28.9	1.5
50°-60°	7.0	0.4
60°-70°	1.8	0.1
70°-80°	0.2	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°	1752.3	93.5
0°-40°	1836.3	98.0
0°-60°	1872.2	99.9
0°-90°	1874.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1874.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6027	6027	6027	6027	6027	
5°	5831	5826	5825	5837	5832	530
15°	3195	3157	3178	3168	3162	856
25°	751	779	847	760	736	359
35°	126	129	121	120	101	85
45°	33	41	41	41	33	24
55°	5	6	10	6	6	5
65°	2	2	2	2	2	2
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P788987

CATALOG NUMBER: LER6D10D010-EC6DR300210IC9050-6LBS1B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6026.7	6026.7	6026.7	6026.7	6026.7
2.5°	5986.8	5982.6	5985.0	5987.9	5989.1
5°	5831.4	5825.8	5824.6	5836.7	5831.7
7.5°	5518.1	5510.1	5497.9	5525.5	5551.2
10°	4993.2	4984.3	4957.9	4971.0	4992.0
12.5°	4218.2	4189.5	4188.9	4230.3	4224.7
15°	3195.3	3156.9	3178.2	3167.8	3162.2
17.5°	2148.8	2134.0	2162.4	2153.8	2116.8
20°	1545.7	1549.6	1603.7	1576.5	1543.7
22.5°	1127.9	1141.8	1206.0	1135.9	1110.2
25°	751.0	779.4	846.8	759.6	735.6
27.5°	461.9	474.9	543.3	456.0	442.9
30°	287.3	280.8	313.1	268.7	250.3
32.5°	188.5	180.2	190.6	171.0	156.2
35°	126.0	128.7	120.7	119.8	101.2
37.5°	78.7	90.5	79.9	85.2	65.1
40°	50.9	65.7	56.5	62.4	47.9
42.5°	41.7	50.6	46.5	49.4	42.6
45°	33.1	41.1	41.1	41.1	33.4
47.5°	18.3	27.5	35.2	28.1	19.5
50°	10.4	13.9	27.2	14.5	10.9
52.5°	7.1	8.0	18.6	8.3	7.4
55°	5.3	5.6	10.1	5.9	5.6
57.5°	4.1	4.4	5.3	4.4	4.1
60°	3.3	3.3	3.8	3.6	3.3
62.5°	2.4	2.4	2.7	2.4	2.4
65°	1.8	1.8	1.8	1.8	1.8
67.5°	0.9	1.2	1.2	1.2	1.2
70°	0.9	0.6	0.6	0.6	0.9
72.5°	0.6	0.3	0.3	0.3	0.3
75°	0.0	0.0	0.3	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)