

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: P788951

Luminaire Tested: LER6D10D010-EC6DR300210IC9027-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788951
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-EC6DR300210IC9027-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1381.2 lumens
Efficiency: N/A
Efficacy: 118.0 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

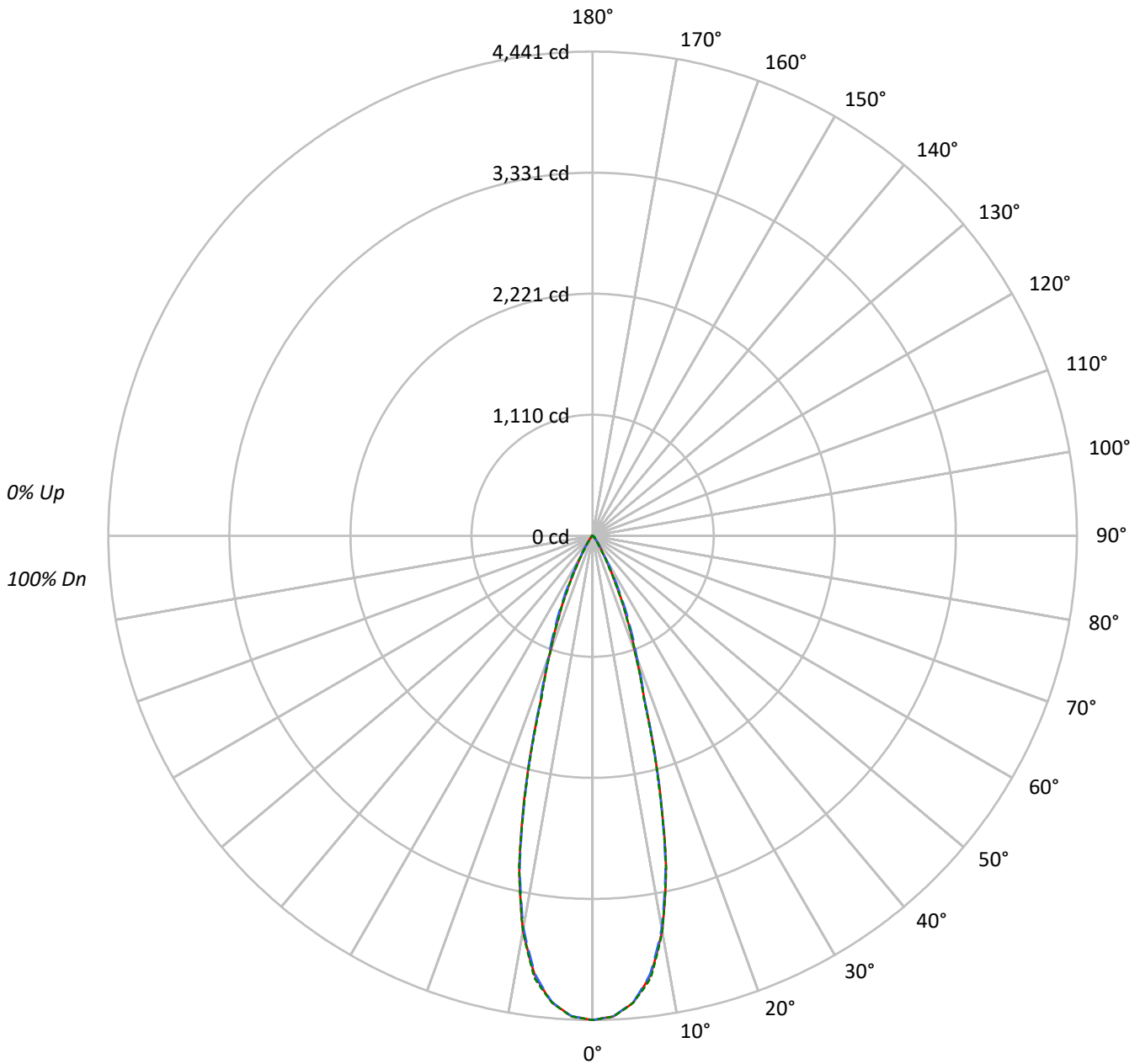


Downlight

TEST NUMBER: P788951

CATALOG NUMBER: LER6D10D010-EC6DR300210IC9027-6LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P788951

CATALOG NUMBER: LER6D10D010-EC6DR300210IC9027-6LBDP1B

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°	339945	339945	339945
5°	330186	329802	330202
10°	285994	283973	285924
15°	186595	185596	184661
20°	92786	96264	92664
25°	46738	52709	45784
30°	18711	20390	16307
35°	8681	8316	6971
40°	3747	4157	3527
45°	2641	3280	2663
50°	905	2394	965
55°	520	988	547
60°	367	429	367
65°	235	235	235
70°	157	90	157
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3280 cd/sqm



TEST NUMBER: P788951

CATALOG NUMBER: LER6D10D010-EC6DR300210IC9027-6LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	390.5	28.3
10°-20°	629.0	45.5
20°-30°	271.8	19.7
30°-40°	61.9	4.5
40°-50°	21.3	1.5
50°-60°	5.2	0.4
60°-70°	1.3	0.1
70°-80°	0.1	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°	1291.3	93.5
0°-40°	1353.2	98.0
0°-60°	1379.7	99.9
0°-90°	1381.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1381.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4441	4441	4441	4441	4441	
5°	4297	4293	4292	4301	4298	391
15°	2355	2326	2342	2334	2330	631
25°	553	574	624	560	542	265
35°	93	95	89	88	75	63
45°	24	30	30	30	25	17
55°	4	4	7	4	4	4
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P788951

CATALOG NUMBER: LER6D10D010-EC6DR300210IC9027-6LBDP1B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4441.2	4441.2	4441.2	4441.2	4441.2
2.5°	4411.8	4408.7	4410.5	4412.7	4413.5
5°	4297.3	4293.2	4292.3	4301.2	4297.5
7.5°	4066.4	4060.5	4051.6	4071.8	4090.8
10°	3679.6	3673.0	3653.6	3663.2	3678.7
12.5°	3108.5	3087.4	3086.9	3117.4	3113.3
15°	2354.7	2326.4	2342.1	2334.4	2330.3
17.5°	1583.5	1572.6	1593.5	1587.2	1559.9
20°	1139.1	1141.9	1181.8	1161.8	1137.6
22.5°	831.2	841.5	888.8	837.1	818.1
25°	553.4	574.3	624.1	559.7	542.1
27.5°	340.4	350.0	400.3	336.0	326.4
30°	211.7	206.9	230.7	198.0	184.5
32.5°	138.9	132.8	140.4	126.0	115.1
35°	92.9	94.9	89.0	88.3	74.6
37.5°	58.0	66.7	58.9	62.8	48.0
40°	37.5	48.4	41.6	46.0	35.3
42.5°	30.7	37.3	34.2	36.4	31.4
45°	24.4	30.3	30.3	30.3	24.6
47.5°	13.5	20.3	25.9	20.7	14.4
50°	7.6	10.2	20.1	10.7	8.1
52.5°	5.2	5.9	13.7	6.1	5.5
55°	3.9	4.1	7.4	4.4	4.1
57.5°	3.1	3.3	3.9	3.3	3.1
60°	2.4	2.4	2.8	2.6	2.4
62.5°	1.7	1.7	2.0	1.7	1.7
65°	1.3	1.3	1.3	1.3	1.3
67.5°	0.7	0.9	0.9	0.9	0.9
70°	0.7	0.4	0.4	0.4	0.7
72.5°	0.4	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	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



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)