

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: P788953

Luminaire Tested: LER6D10D010-EC6DR300210IC9027-6LBDP1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P788953  
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-EC6DR300210IC9027-6LBDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1801.4 lumens  
Efficiency: N/A  
Efficacy: 154.0 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<sub>in</sub>): 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

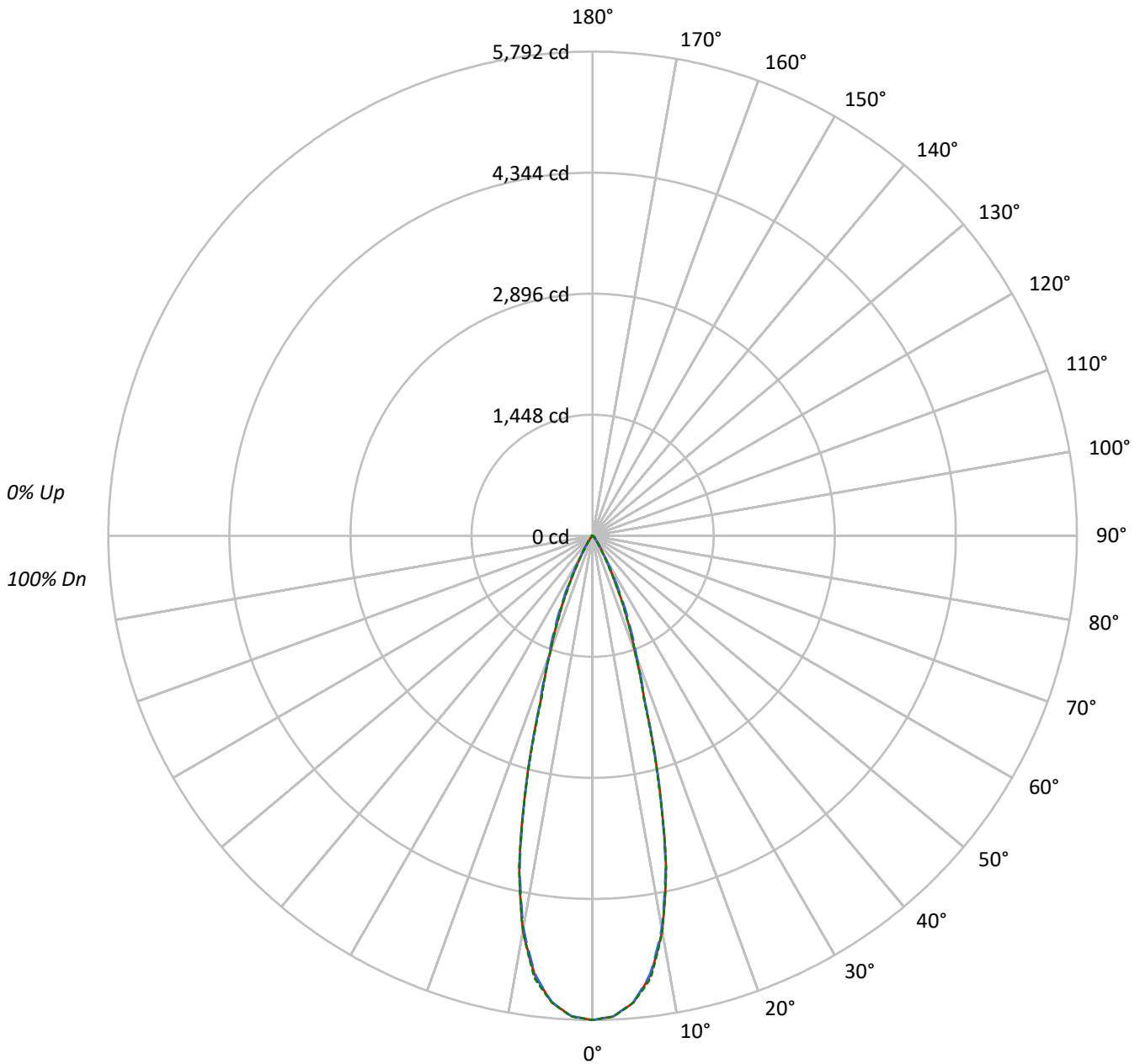


Downlight

TEST NUMBER: P788953

CATALOG NUMBER: LER6D10D010-EC6DR300210IC9027-6LBDP1LI

### Luminous Intensity Polar Plot





TEST NUMBER: P788953

CATALOG NUMBER: LER6D10D010-EC6DR300210IC9027-6LBDP1LI

**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°	443355	443355	443355
5°	430626	430127	430649
10°	372991	370364	372905
15°	243357	242049	240837
20°	121011	125548	120848
25°	60961	68739	59711
30°	24403	26595	21265
35°	11316	10839	9092
40°	4886	5426	4606
45°	3453	4276	3475
50°	1191	3120	1250
55°	681	1294	721
60°	475	566	475
65°	308	308	308
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: 4276 cd/sqm



TEST NUMBER: P788953

CATALOG NUMBER: LER6D10D010-EC6DR300210IC9027-6LBDP1LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	509.3	28.3
10°-20°	820.3	45.5
20°-30°	354.5	19.7
30°-40°	80.8	4.5
40°-50°	27.7	1.5
50°-60°	6.8	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°	1684.1	93.5
0°-40°	1764.9	98.0
0°-60°	1799.4	99.9
0°-90°	1801.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1801.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5792	5792	5792	5792	5792	
5°	5604	5599	5598	5610	5605	510
15°	3071	3034	3054	3045	3039	822
25°	722	749	814	730	707	345
35°	121	124	116	115	97	82
45°	32	40	40	40	32	23
55°	5	5	10	6	5	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: P788953

CATALOG NUMBER: LER6D10D010-EC6DR300210IC9027-6LBDP1LI

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5792.2	5792.2	5792.2	5792.2	5792.2
2.5°	5753.8	5749.9	5752.1	5755.0	5756.1
5°	5604.5	5599.1	5598.0	5609.7	5604.8
7.5°	5303.4	5295.7	5284.0	5310.5	5335.2
10°	4798.9	4790.4	4765.1	4777.6	4797.8
12.5°	4054.1	4026.5	4026.0	4065.8	4060.4
15°	3071.0	3034.0	3054.5	3044.6	3039.2
17.5°	2065.2	2050.9	2078.2	2070.0	2034.4
20°	1485.6	1489.3	1541.3	1515.2	1483.6
22.5°	1084.1	1097.4	1159.1	1091.7	1067.0
25°	721.8	749.1	813.9	730.0	707.0
27.5°	443.9	456.4	522.1	438.2	425.7
30°	276.1	269.9	300.9	258.2	240.6
32.5°	181.1	173.2	183.1	164.4	150.2
35°	121.1	123.7	116.0	115.2	97.3
37.5°	75.6	87.0	76.8	81.9	62.6
40°	48.9	63.1	54.3	60.0	46.1
42.5°	40.1	48.6	44.6	47.5	41.0
45°	31.9	39.5	39.5	39.5	32.1
47.5°	17.6	26.4	33.8	27.0	18.8
50°	10.0	13.4	26.2	13.9	10.5
52.5°	6.8	7.7	17.9	8.0	7.1
55°	5.1	5.4	9.7	5.7	5.4
57.5°	4.0	4.3	5.1	4.3	4.0
60°	3.1	3.1	3.7	3.4	3.1
62.5°	2.3	2.3	2.6	2.3	2.3
65°	1.7	1.7	1.7	1.7	1.7
67.5°	0.9	1.1	1.1	1.1	1.1
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)