

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: P793277

Luminaire Tested: LER6D50D010-EC6DR3040509035-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P793277  
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-EC6DR3040509035-6LBS1LI  
Description: 6 INCH ROUND SHALLOW 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: 6281.3 lumens  
Efficiency: N/A  
Efficacy: 133.6 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<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

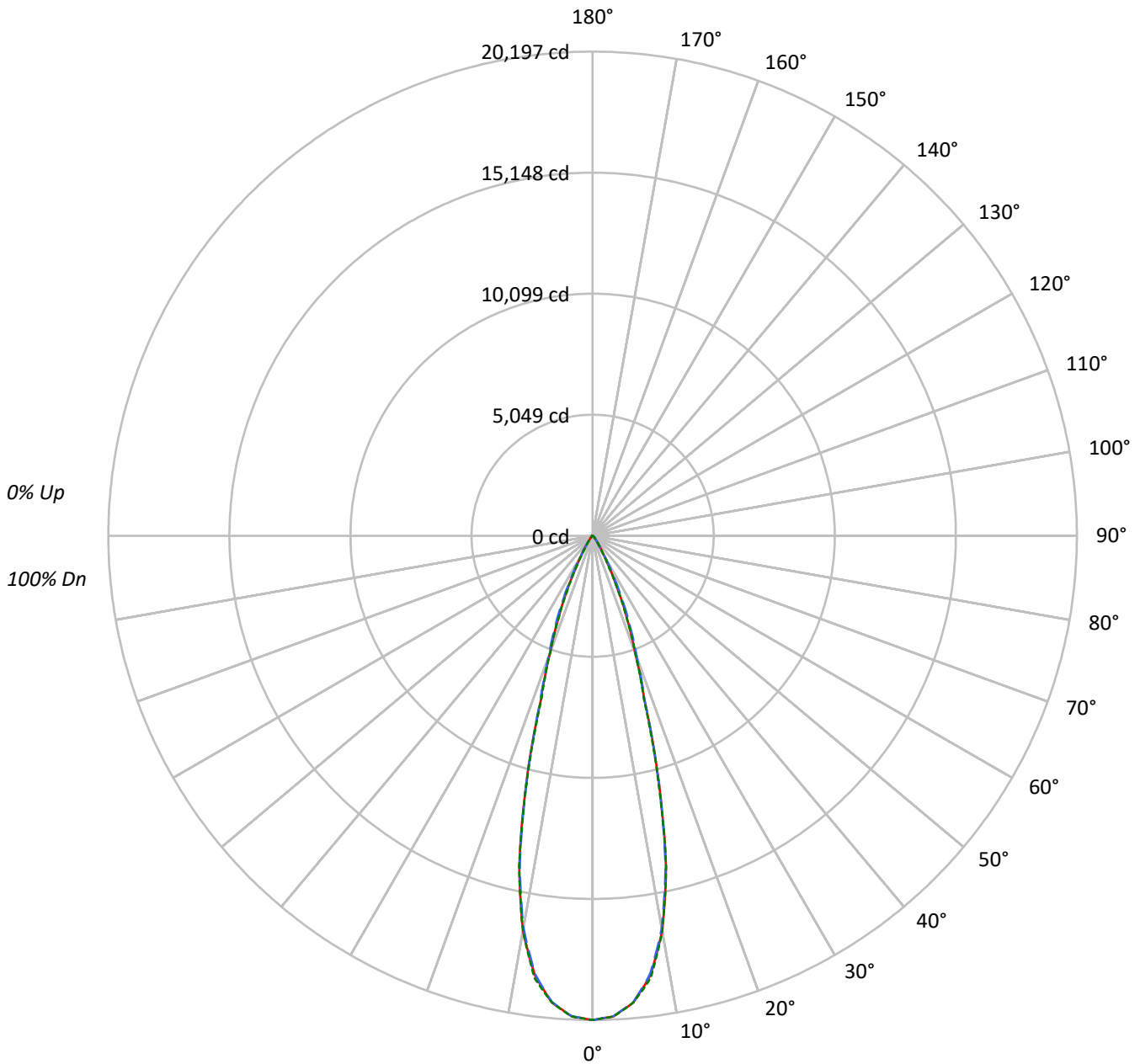


Downlight

TEST NUMBER: P793277

CATALOG NUMBER: LER6D50D010-EC6DR3040509035-6LBS1LI

### Luminous Intensity Polar Plot





TEST NUMBER: P793277

CATALOG NUMBER: LER6D50D010-EC6DR3040509035-6LBS1LI

**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°	1545978	1545978	1545978
5°	1501594	1499842	1501671
10°	1300606	1291434	1300303
15°	848580	844023	839784
20°	421957	437792	421395
25°	212551	239687	208202
30°	85106	92724	74146
35°	39470	37807	31686
40°	17046	18925	16047
45°	12026	14917	12135
50°	4132	10860	4370
55°	2375	4497	2509
60°	1669	1975	1669
65°	1069	1069	1069
70°	671	448	671
75°	0	296	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 14917 cd/sqm



TEST NUMBER: P793277

CATALOG NUMBER: LER6D50D010-EC6DR3040509035-6LBS1LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1776.1	28.3
10°-20°	2860.4	45.5
20°-30°	1236.0	19.7
30°-40°	281.7	4.5
40°-50°	96.7	1.5
50°-60°	23.6	0.4
60°-70°	6.1	0.1
70°-80°	0.7	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°	5872.4	93.5
0°-40°	6154.2	98.0
0°-60°	6274.5	99.9
0°-90°	6281.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6281.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	20197	20197	20197	20197	20197	
5°	19543	19524	19520	19561	19544	1778
15°	10708	10580	10651	10616	10598	2867
25°	2517	2612	2838	2546	2465	1205
35°	422	431	405	402	339	287
45°	111	138	138	138	112	79
55°	18	19	34	20	19	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: P793277

CATALOG NUMBER: LER6D50D010-EC6DR3040509035-6LBS1LI

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	20197.4	20197.4	20197.4	20197.4	20197.4
2.5°	20063.5	20049.6	20057.6	20067.5	20071.4
5°	19542.9	19524.1	19520.1	19560.7	19543.9
7.5°	18492.8	18466.0	18425.3	18517.6	18603.8
10°	16733.6	16703.9	16615.6	16659.3	16729.7
12.5°	14136.6	14040.4	14038.4	14177.2	14158.4
15°	10708.5	10579.6	10651.0	10616.3	10597.5
17.5°	7201.2	7151.6	7246.8	7218.0	7094.1
20°	5180.2	5193.1	5374.6	5283.4	5173.3
22.5°	3780.1	3826.7	4041.9	3806.8	3720.6
25°	2516.7	2611.9	2838.0	2545.5	2465.2
27.5°	1547.9	1591.6	1820.6	1528.1	1484.5
30°	962.9	941.0	1049.1	900.4	838.9
32.5°	631.7	603.9	638.6	573.2	523.6
35°	422.4	431.4	404.6	401.6	339.1
37.5°	263.8	303.4	267.7	285.6	218.2
40°	170.6	220.1	189.4	209.2	160.6
42.5°	139.8	169.6	155.7	165.6	142.8
45°	111.1	137.8	137.8	137.8	112.1
47.5°	61.5	92.2	118.0	94.2	65.4
50°	34.7	46.6	91.2	48.6	36.7
52.5°	23.8	26.8	62.5	27.8	24.8
55°	17.8	18.8	33.7	19.8	18.8
57.5°	13.9	14.9	17.8	14.9	13.9
60°	10.9	10.9	12.9	11.9	10.9
62.5°	7.9	7.9	8.9	7.9	7.9
65°	5.9	5.9	5.9	5.9	5.9
67.5°	3.0	4.0	4.0	4.0	4.0
70°	3.0	2.0	2.0	2.0	3.0
72.5°	2.0	1.0	1.0	1.0	1.0
75°	0.0	0.0	1.0	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)