

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: P794221

Luminaire Tested: LER6D60D010-EC6DR3055659027-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P794221  
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: LER6D60D010-EC6DR3055659027-6LBS1LI  
Description: 6 INCH ROUND SHALLOW 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: 7501.2 lumens  
Efficiency: N/A  
Efficacy: 116.5 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

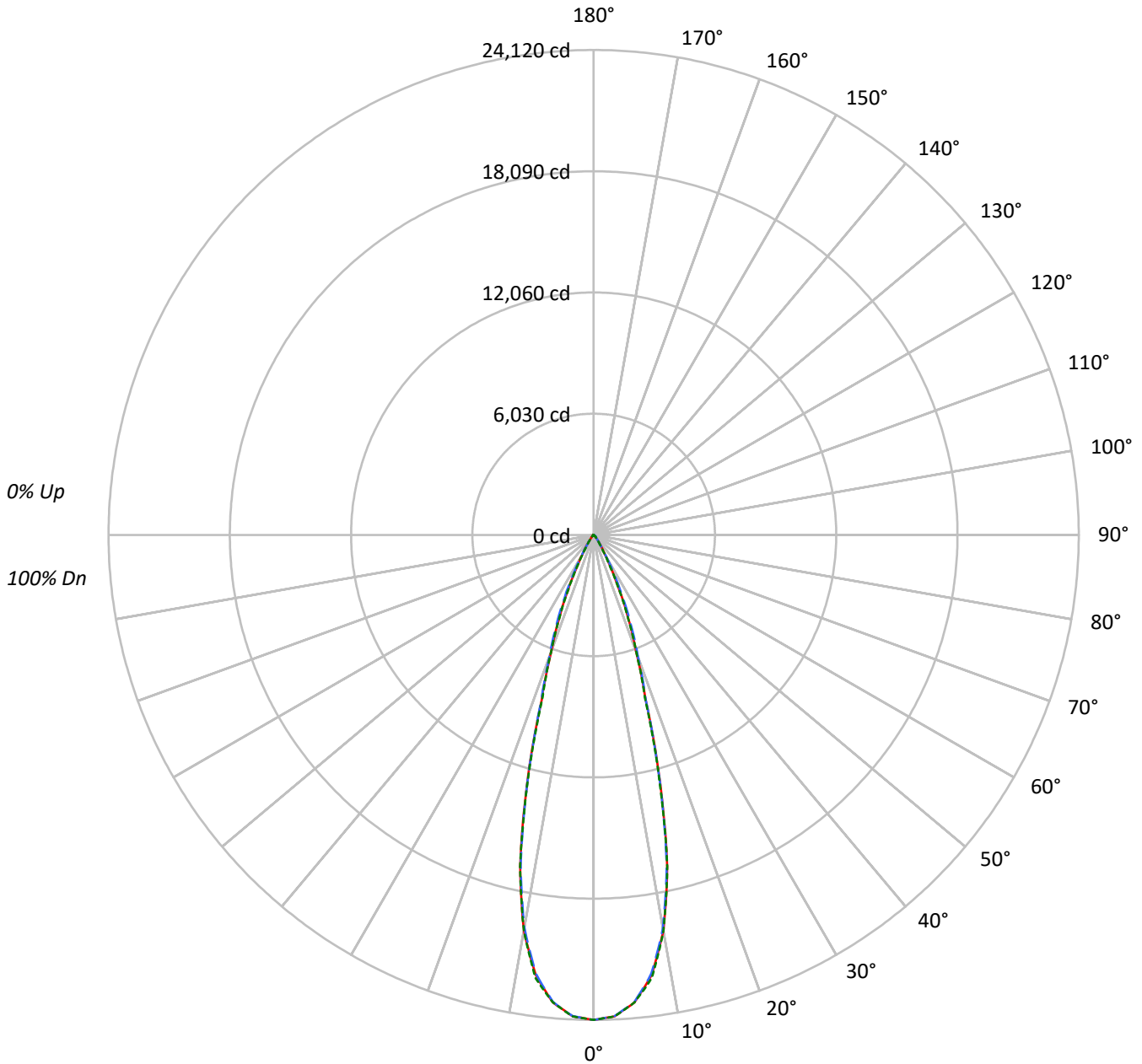
Input Watts (W): 64.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

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### Luminous Intensity Polar Plot





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**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°	1846211	1846211	1846211
5°	1793216	1791119	1793301
10°	1553194	1542242	1552828
15°	1013382	1007938	1002875
20°	503910	522816	503234
25°	253833	286239	248631
30°	101634	110737	88544
35°	47142	45151	37844
40°	20354	22602	19165
45°	14354	17818	14484
50°	4930	12968	5216
55°	2842	5378	3003
60°	1990	2358	1990
65°	1286	1286	1286
70°	806	537	806
75°	0	355	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 17818 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2121.0	28.3
10°-20°	3415.9	45.5
20°-30°	1476.1	19.7
30°-40°	336.4	4.5
40°-50°	115.5	1.5
50°-60°	28.2	0.4
60°-70°	7.3	0.1
70°-80°	0.8	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°	7012.9	93.5
0°-40°	7349.3	98.0
0°-60°	7493.1	99.9
0°-90°	7501.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7501.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	24120	24120	24120	24120	24120	
5°	23338	23316	23311	23360	23339	2123
15°	12788	12634	12720	12678	12656	3424
25°	3006	3119	3389	3040	2944	1439
35°	504	515	483	480	405	342
45°	133	165	165	165	134	94
55°	21	22	40	24	22	21
65°	7	7	7	7	7	7
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	24119.8	24119.8	24119.8	24119.8	24119.8
2.5°	23960.0	23943.4	23952.9	23964.7	23969.4
5°	23338.3	23315.8	23311.0	23359.6	23339.4
7.5°	22084.2	22052.2	22003.7	22113.8	22216.8
10°	19983.4	19947.9	19842.5	19894.6	19978.7
12.5°	16882.0	16767.1	16764.8	16930.5	16908.0
15°	12788.2	12634.3	12719.5	12678.1	12655.6
17.5°	8599.7	8540.5	8654.2	8619.8	8471.8
20°	6186.3	6201.7	6418.4	6309.4	6178.0
22.5°	4514.2	4569.8	4826.8	4546.2	4443.1
25°	3005.5	3119.2	3389.2	3039.8	2943.9
27.5°	1848.5	1900.6	2174.2	1824.9	1772.8
30°	1149.9	1123.8	1252.9	1075.3	1001.8
32.5°	754.3	721.2	762.6	684.5	625.3
35°	504.5	515.1	483.2	479.6	405.0
37.5°	315.0	362.4	319.7	341.1	260.5
40°	203.7	262.9	226.2	249.9	191.8
42.5°	167.0	202.5	185.9	197.8	170.5
45°	132.6	164.6	164.6	164.6	133.8
47.5°	73.4	110.1	140.9	112.5	78.2
50°	41.4	55.7	108.9	58.0	43.8
52.5°	28.4	32.0	74.6	33.2	29.6
55°	21.3	22.5	40.3	23.7	22.5
57.5°	16.6	17.8	21.3	17.8	16.6
60°	13.0	13.0	15.4	14.2	13.0
62.5°	9.5	9.5	10.7	9.5	9.5
65°	7.1	7.1	7.1	7.1	7.1
67.5°	3.6	4.7	4.7	4.7	4.7
70°	3.6	2.4	2.4	2.4	3.6
72.5°	2.4	1.2	1.2	1.2	1.2
75°	0.0	0.0	1.2	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

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Scaled Data Report



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Scaled Data Report







— 0°-180°    - - 45°-225°    - - - - 90°-270°

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