

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: P794241

Luminaire Tested: LER6D60D010-EC6DR3055659040-6LBDP1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P794241  
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-EC6DR3055659040-6LBDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7765.6 lumens  
Efficiency: N/A  
Efficacy: 120.6 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

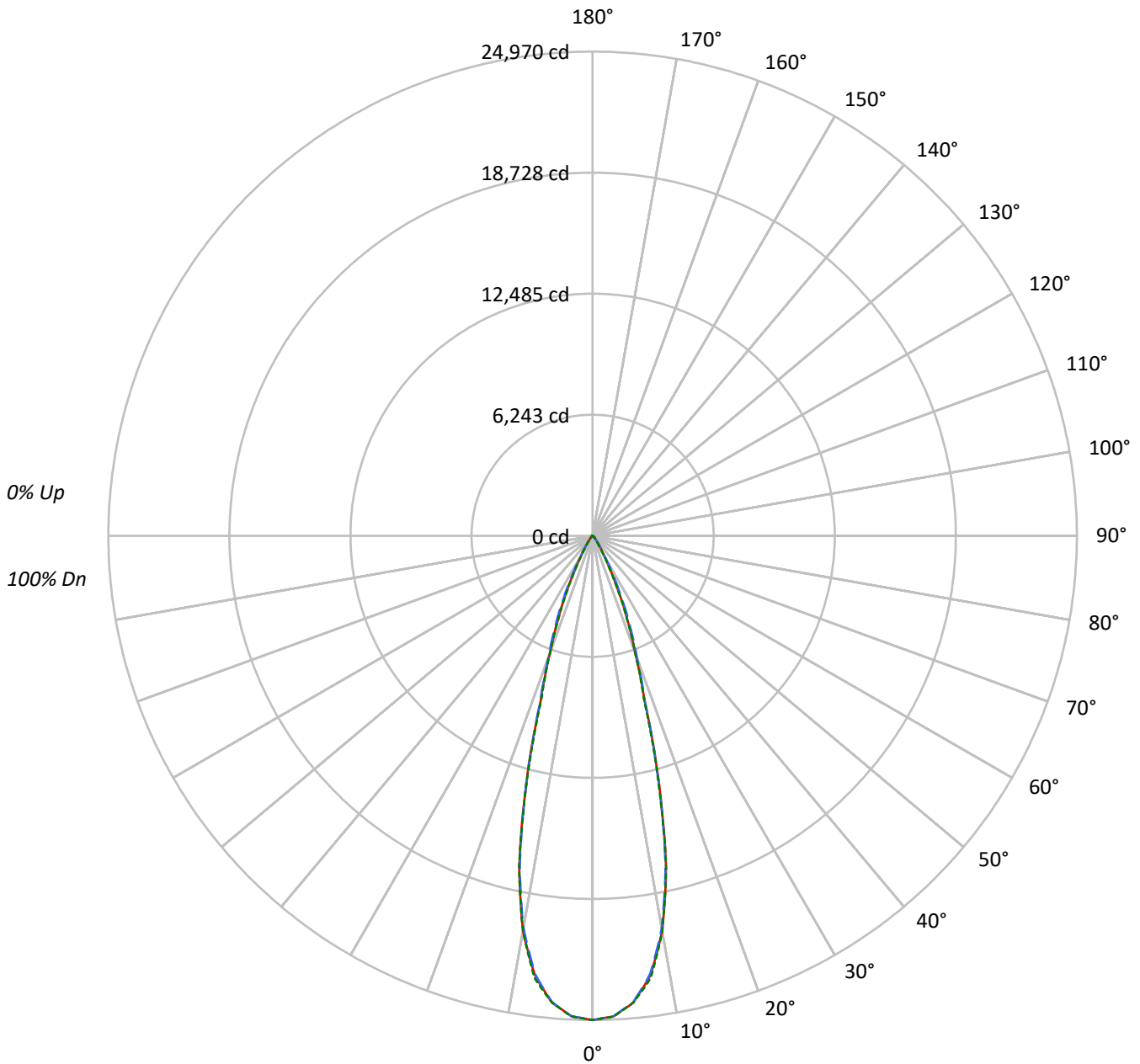
Input Watts (W): 64.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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°	1911304	1911304	1911304
5°	1856437	1854270	1856529
10°	1607958	1596618	1607577
15°	1049113	1043479	1038233
20°	521675	541249	520975
25°	262786	296332	257397
30°	105213	114644	91673
35°	48805	46740	39180
40°	21073	23401	19844
45°	14863	18446	14992
50°	5109	13432	5406
55°	2949	5565	3109
60°	2067	2434	2067
65°	1340	1340	1340
70°	828	559	828
75°	0	355	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 18446 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2195.8	28.3
10°-20°	3536.3	45.5
20°-30°	1528.1	19.7
30°-40°	348.3	4.5
40°-50°	119.6	1.5
50°-60°	29.2	0.4
60°-70°	7.6	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°	7260.2	93.5
0°-40°	7608.5	98.0
0°-60°	7757.3	99.9
0°-90°	7765.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7765.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	24970	24970	24970	24970	24970	
5°	24161	24138	24133	24183	24162	2198
15°	13239	13080	13168	13125	13102	3545
25°	3112	3229	3509	3147	3048	1489
35°	522	533	500	496	419	354
45°	137	170	170	170	138	97
55°	22	23	42	24	23	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°	24970.2	24970.2	24970.2	24970.2	24970.2
2.5°	24804.7	24787.5	24797.4	24809.6	24814.5
5°	24161.1	24137.8	24132.9	24183.2	24162.3
7.5°	22862.8	22829.7	22779.4	22893.4	23000.1
10°	20688.0	20651.2	20542.1	20596.0	20683.1
12.5°	17477.2	17358.3	17355.8	17527.5	17504.2
15°	13239.1	13079.7	13168.0	13125.1	13101.8
17.5°	8902.9	8841.6	8959.3	8923.7	8770.5
20°	6404.4	6420.3	6644.7	6531.9	6395.8
22.5°	4673.3	4731.0	4997.0	4706.4	4599.8
25°	3111.5	3229.2	3508.7	3147.0	3047.7
27.5°	1913.7	1967.7	2250.9	1889.2	1835.3
30°	1190.4	1163.4	1297.1	1113.2	1037.2
32.5°	780.9	746.6	789.5	708.6	647.3
35°	522.3	533.3	500.2	496.5	419.3
37.5°	326.1	375.1	331.0	353.1	269.7
40°	210.9	272.2	234.2	258.7	198.6
42.5°	172.9	209.6	192.5	204.7	176.5
45°	137.3	170.4	170.4	170.4	138.5
47.5°	76.0	114.0	145.9	116.5	80.9
50°	42.9	57.6	112.8	60.1	45.4
52.5°	29.4	33.1	77.2	34.3	30.6
55°	22.1	23.3	41.7	24.5	23.3
57.5°	17.2	18.4	22.1	18.4	17.2
60°	13.5	13.5	15.9	14.7	13.5
62.5°	9.8	9.8	11.0	9.8	9.8
65°	7.4	7.4	7.4	7.4	7.4
67.5°	3.7	4.9	4.9	4.9	4.9
70°	3.7	2.5	2.5	2.5	3.7
72.5°	2.5	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

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report







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

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