

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: P794249

Luminaire Tested: LER6D60D010-EC6DR3055659050-6LBDP1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P794249  
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-EC6DR3055659050-6LBDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7821.1 lumens  
Efficiency: N/A  
Efficacy: 121.4 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

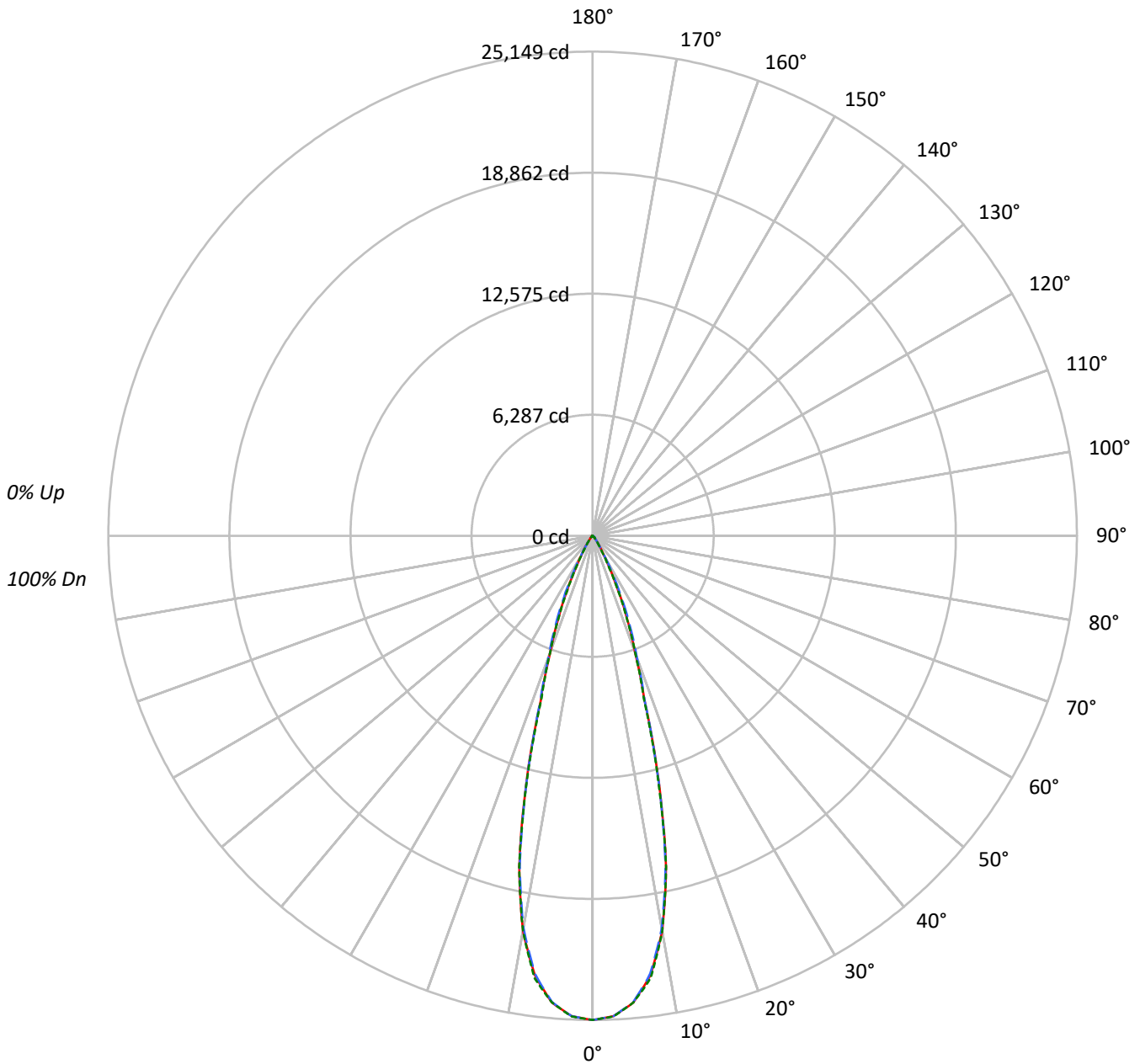
Input Watts (W): 64.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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																			
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°	1924959	1924959	1924959
5°	1869699	1867517	1869791
10°	1619438	1608020	1619057
15°	1056602	1050928	1045642
20°	525398	545110	524697
25°	264661	298443	259239
30°	105964	115457	92327
35°	49151	47076	39461
40°	21223	23561	19984
45°	14971	18575	15101
50°	5144	13528	5442
55°	2963	5605	3136
60°	2082	2465	2082
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: 18575 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2211.4	28.3
10°-20°	3561.5	45.5
20°-30°	1539.0	19.7
30°-40°	350.8	4.5
40°-50°	120.4	1.5
50°-60°	29.4	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°	7312.0	93.5
0°-40°	7662.8	98.0
0°-60°	7812.6	99.9
0°-90°	7821.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7821.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	25149	25149	25149	25149	25149	
5°	24334	24310	24305	24356	24335	2213
15°	13334	13173	13262	13219	13195	3570
25°	3134	3252	3534	3170	3070	1500
35°	526	537	504	500	422	357
45°	138	172	172	172	140	98
55°	22	24	42	25	24	22
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°	25148.6	25148.6	25148.6	25148.6	25148.6
2.5°	24981.9	24964.6	24974.5	24986.8	24991.8
5°	24333.7	24310.2	24305.3	24355.9	24334.9
7.5°	23026.1	22992.8	22942.1	23057.0	23164.4
10°	20835.7	20798.7	20688.8	20743.1	20830.8
12.5°	17602.0	17482.3	17479.8	17652.6	17629.2
15°	13333.6	13173.1	13262.0	13218.8	13195.3
17.5°	8966.5	8904.7	9023.3	8987.5	8833.1
20°	6450.1	6466.2	6692.1	6578.5	6441.5
22.5°	4706.7	4764.7	5032.7	4740.1	4632.6
25°	3133.7	3252.2	3533.7	3169.5	3069.5
27.5°	1927.4	1981.7	2266.9	1902.7	1848.4
30°	1198.9	1171.7	1306.3	1121.1	1044.6
32.5°	786.5	751.9	795.2	713.7	651.9
35°	526.0	537.1	503.8	500.1	422.3
37.5°	328.4	377.8	333.4	355.6	271.6
40°	212.4	274.1	235.8	260.5	200.0
42.5°	174.1	211.1	193.8	206.2	177.8
45°	138.3	171.6	171.6	171.6	139.5
47.5°	76.6	114.8	146.9	117.3	81.5
50°	43.2	58.0	113.6	60.5	45.7
52.5°	29.6	33.3	77.8	34.6	30.9
55°	22.2	23.5	42.0	24.7	23.5
57.5°	17.3	18.5	22.2	18.5	17.3
60°	13.6	13.6	16.1	14.8	13.6
62.5°	9.9	9.9	11.1	9.9	9.9
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

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Scaled Data Report



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Scaled Data Report







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

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