

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: P790796

Luminaire Tested: LER6D25D010-EC6DR3020359050-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P790796  
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: LER6D25D010-EC6DR3020359050-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-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: 5453.9 lumens  
Efficiency: N/A  
Efficacy: 217.3 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

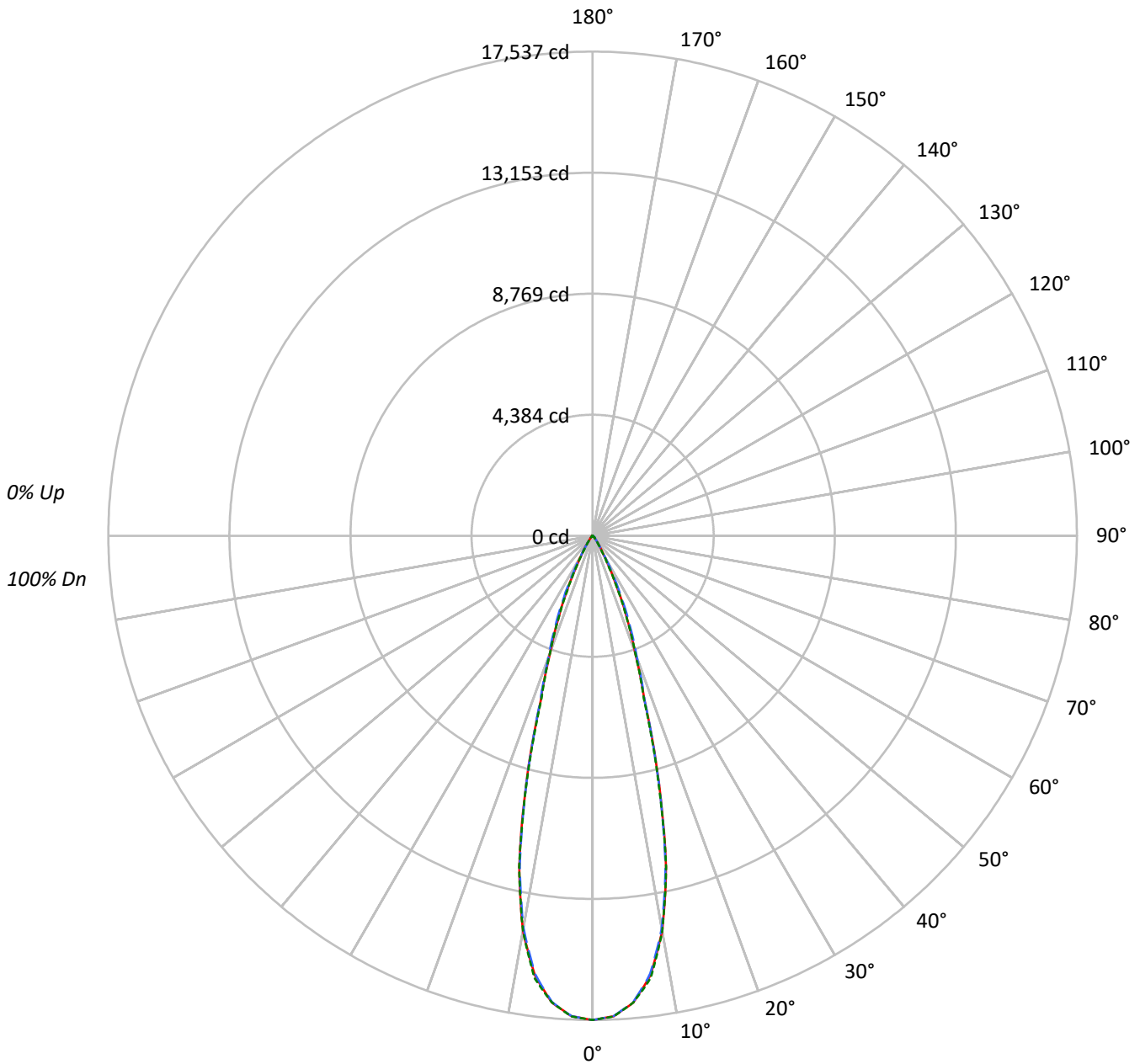
Input Watts (W): 25.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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	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°	1342326	1342326	1342326
5°	1303796	1302274	1303857
10°	1129278	1121319	1129014
15°	736799	732844	729160
20°	366380	380122	365883
25°	184554	208117	180770
30°	73890	80510	64379
35°	34275	32826	27519
40°	14798	16437	13939
45°	10435	12957	10533
50°	3584	9431	3799
55°	2068	3910	2189
60°	1454	1715	1454
65°	942	942	942
70°	582	380	582
75°	0	266	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 12957 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1542.1	28.3
10°-20°	2483.6	45.5
20°-30°	1073.2	19.7
30°-40°	244.6	4.5
40°-50°	84.0	1.5
50°-60°	20.5	0.4
60°-70°	5.3	0.1
70°-80°	0.6	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°	5098.9	93.5
0°-40°	5343.5	98.0
0°-60°	5448.0	99.9
0°-90°	5453.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5453.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	17537	17537	17537	17537	17537	
5°	16969	16952	16949	16984	16969	1543
15°	9298	9186	9248	9218	9202	2490
25°	2185	2268	2464	2210	2140	1046
35°	367	374	351	349	294	249
45°	96	120	120	120	97	68
55°	16	16	29	17	16	15
65°	5	5	5	5	5	5
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°	17536.8	17536.8	17536.8	17536.8	17536.8
2.5°	17420.6	17408.5	17415.4	17424.0	17427.5
5°	16968.6	16952.2	16948.8	16984.1	16969.4
7.5°	16056.8	16033.5	15998.2	16078.3	16153.2
10°	14529.3	14503.5	14426.9	14464.8	14525.9
12.5°	12274.4	12190.9	12189.2	12309.7	12293.3
15°	9297.9	9186.0	9248.0	9217.8	9201.5
17.5°	6252.6	6209.5	6292.2	6267.2	6159.6
20°	4497.9	4509.0	4666.6	4587.4	4491.8
22.5°	3282.1	3322.6	3509.4	3305.4	3230.5
25°	2185.2	2267.9	2464.2	2210.2	2140.4
27.5°	1344.0	1381.9	1580.8	1326.8	1288.9
30°	836.0	817.1	910.9	781.8	728.4
32.5°	548.5	524.3	554.5	497.7	454.6
35°	366.8	374.5	351.3	348.7	294.5
37.5°	229.0	263.5	232.5	248.0	189.4
40°	148.1	191.1	164.5	181.7	139.5
42.5°	121.4	147.2	135.2	143.8	124.0
45°	96.4	119.7	119.7	119.7	97.3
47.5°	53.4	80.1	102.5	81.8	56.8
50°	30.1	40.5	79.2	42.2	31.9
52.5°	20.7	23.2	54.2	24.1	21.5
55°	15.5	16.4	29.3	17.2	16.4
57.5°	12.1	12.9	15.5	12.9	12.1
60°	9.5	9.5	11.2	10.3	9.5
62.5°	6.9	6.9	7.7	6.9	6.9
65°	5.2	5.2	5.2	5.2	5.2
67.5°	2.6	3.4	3.4	3.4	3.4
70°	2.6	1.7	1.7	1.7	2.6
72.5°	1.7	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.9	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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