

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: P790672

Luminaire Tested: LER6D25D010-EC6DR2015309030-6LBDP1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P790672  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D25D010-EC6DR2015309030-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 20° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3004.7 lumens  
Efficiency: N/A  
Efficacy: 119.7 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

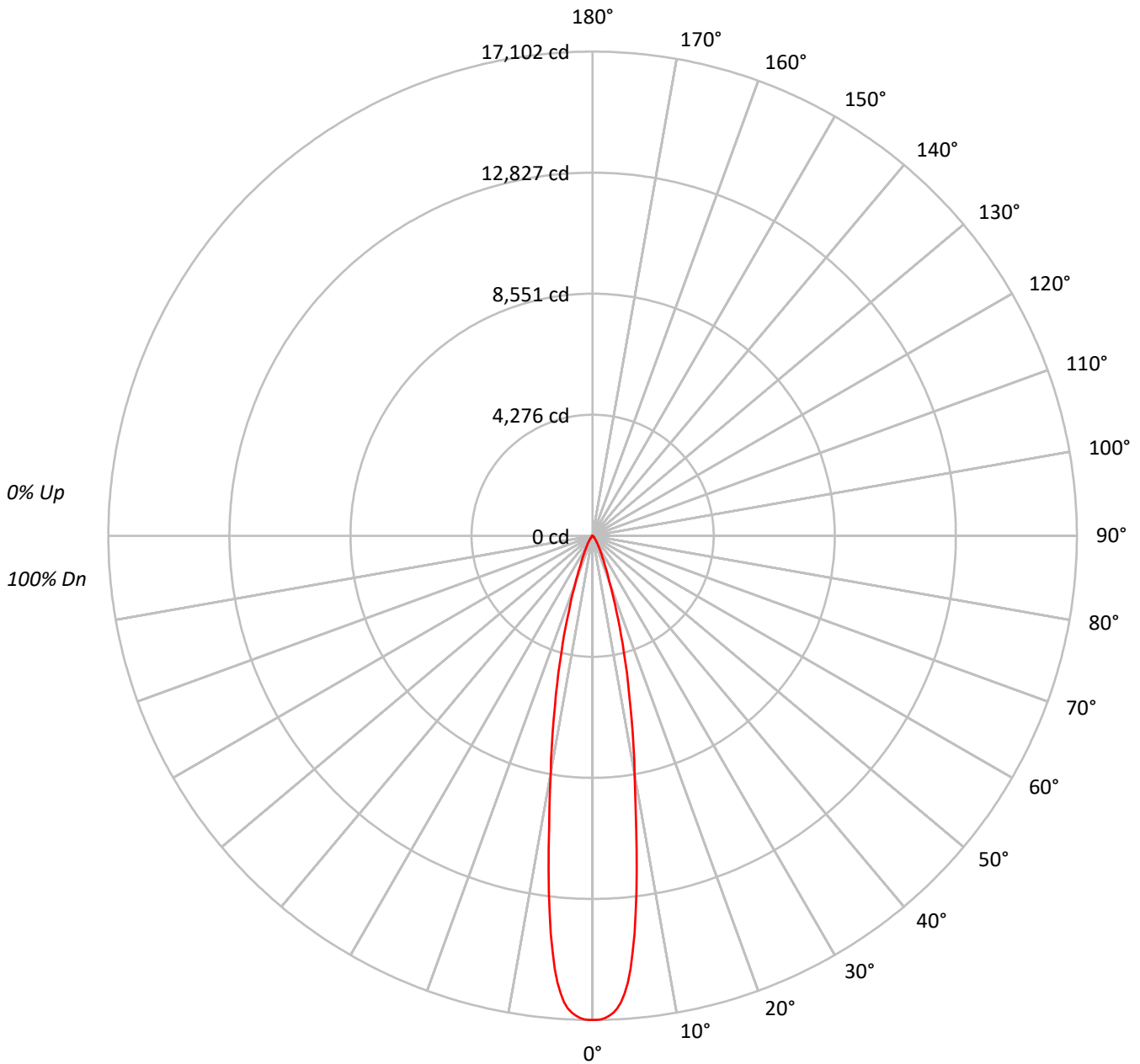
Input Watts (W): 25.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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	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	113	111	109	108	107	106	104	103	102	101	100	99	98	97	98	96	95	94	94	92	91	91	89	88	86	85															
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	92	91	91	89	88	86	85	83	82	81																
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	89	88	86	85	83	82	81	79	77																	
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	86	85	83	82	81	79	77	75																			
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	83	82	81	79	77	75	73																				
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	81	80	79	77	75	73	71																				
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	79	77	75	73	71	69																					
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	77	75	73	71	69	67																					
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	75	73	71	69	67	65																					
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	73	71	69	67	65	63																					

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	1868610
5°	1685829
10°	946183
15°	480965
20°	203629
25°	93997
30°	49759
35°	26810
40°	14334
45°	8468
50°	4912
55°	2610
60°	1661
65°	1189
70°	479
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8468 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1217.7	40.5
10°-20°	1199.0	39.9
20°-30°	391.7	13.0
30°-40°	133.4	4.4
40°-50°	44.8	1.5
50°-60°	13.5	0.4
60°-70°	4.5	0.1
70°-80°	0.2	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°	2808.3	93.5
0°-40°	2941.7	97.9
0°-60°	3000.0	99.8
0°-90°	3004.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3004.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	17102	
5°	15371	###
15°	4252	1199
25°	780	392
35°	201	133
45°	55	45
55°	14	14
65°	5	4
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	17102.3
0.5°	17102.3
1°	17081.0
1.5°	17038.3
2°	16960.7
2.5°	16857.1
3°	16710.9
3.5°	16506.8
4°	16203.8
4.5°	15835.2
5°	15370.7
5.5°	14760.1
6°	14134.1
6.5°	13416.8
7°	12714.8
7.5°	11892.4
8°	11158.4
8.5°	10419.8
9°	9737.5
9.5°	9111.6
10°	8528.3
12.5°	6123.6
15°	4252.0
17.5°	2777.8
20°	1751.3
22.5°	1134.6
25°	779.7
27.5°	548.2
30°	394.4
32.5°	283.3
35°	201.0
37.5°	140.1
40°	100.5
42.5°	73.1
45°	54.8
47.5°	42.6
50°	28.9
52.5°	18.3
55°	13.7
57.5°	10.7
60°	7.6
62.5°	6.1
65°	4.6



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**CANDELA DISTRIBUTION (continued):**

	0°
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	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



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— 0°-180°

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67.5°		3.0
70°		1.5

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(END OF REPORT)