

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: P791177

Luminaire Tested: LER6D25D010-EC6DR7020359050-6LBDP1LI

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791177  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D25D010-EC6DR7020359050-6LBDDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5623.4 lumens  
Efficiency: N/A  
Efficacy: 224.0 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

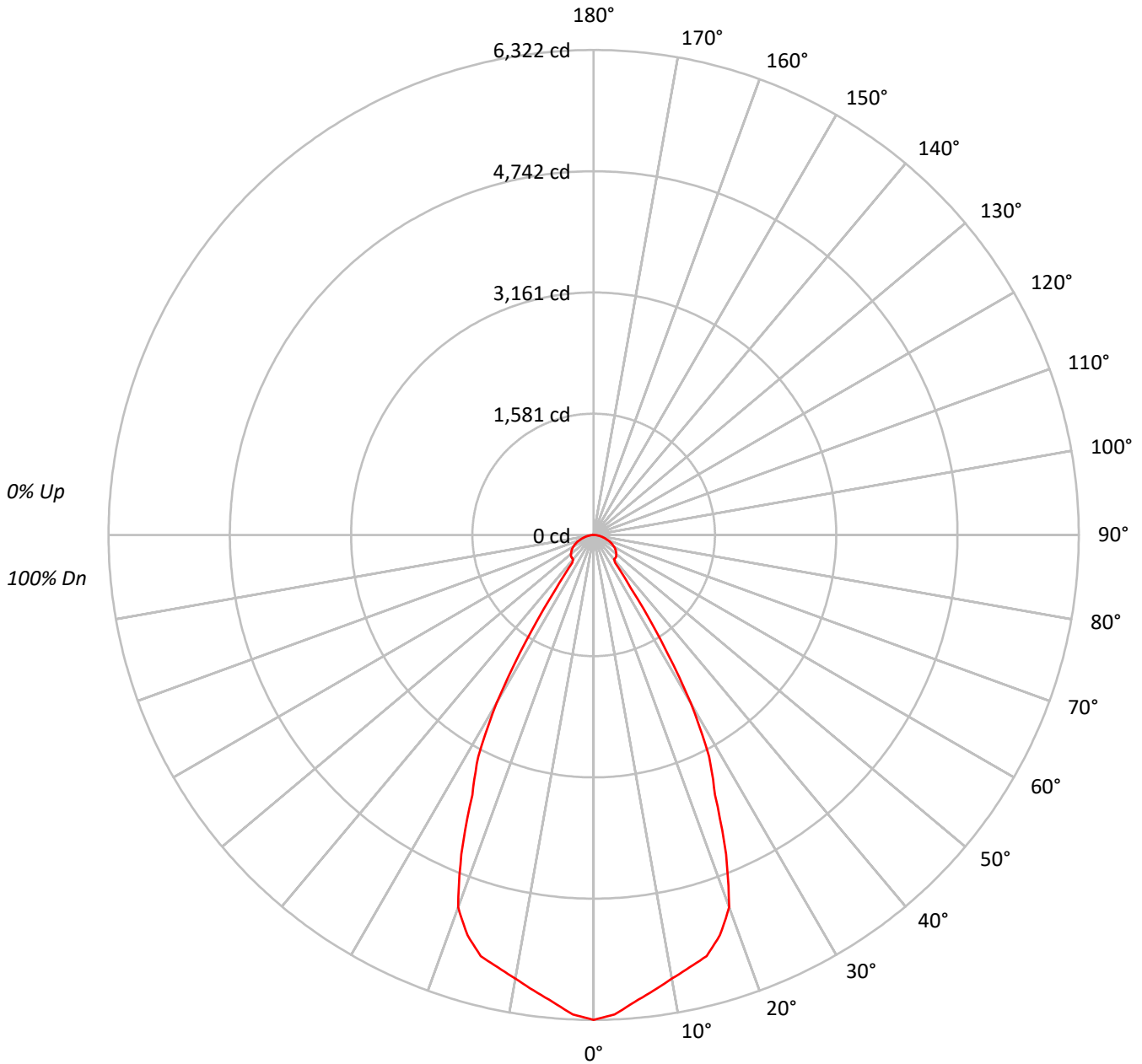
Input Watts (W): 25.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				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			100
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			76
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			70
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65			65
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			57
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			53
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50			50
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48			48

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

	0°
0°	690779
5°	670254
10°	651576
15°	643025
20°	600456
25°	451084
30°	318878
35°	112949
40°	59391
45°	63260
50°	65510
55°	66748
60°	67152
65°	65745
70°	62039
75°	57455
80°	51029
85°	41370

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 67167 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	576.4	10.3
10°-20°	1581.1	28.1
20°-30°	1741.3	31.0
30°-40°	665.3	11.8
40°-50°	314.1	5.6
50°-60°	312.3	5.6
60°-70°	250.1	4.4
70°-80°	143.7	2.6
80°-90°	39.1	0.7
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°	3898.8	69.3
0°-40°	4564.1	81.2
0°-60°	5190.6	92.3
0°-90°	5623.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5623.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6322	
5°	6111	576
15°	5685	1581
25°	3742	1741
35°	847	665
45°	409	314
55°	350	312
65°	254	250
75°	136	144
85°	33	39
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6322.3
2.5°	6256.3
5°	6111.1
7.5°	5990.0
10°	5872.9
12.5°	5773.8
15°	5684.7
17.5°	5469.5
20°	5164.2
22.5°	4505.5
25°	3741.7
27.5°	3257.3
30°	2527.5
32.5°	1632.6
35°	846.8
37.5°	457.5
40°	416.4
42.5°	413.4
45°	409.4
47.5°	400.4
50°	385.4
52.5°	368.4
55°	350.4
57.5°	330.3
60°	307.3
62.5°	281.3
65°	254.3
67.5°	224.2
70°	194.2
72.5°	164.2
75°	136.1
77.5°	107.1
80°	81.1
82.5°	57.1
85°	33.0
87.5°	13.0
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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(END OF REPORT)