

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: P790658

Luminaire Tested: LER6D25D010-EC6DR2015309024-6LBDP1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P790658  
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-EC6DR2015309024-6LBDDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 20° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2416.0 lumens  
Efficiency: N/A  
Efficacy: 96.3 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

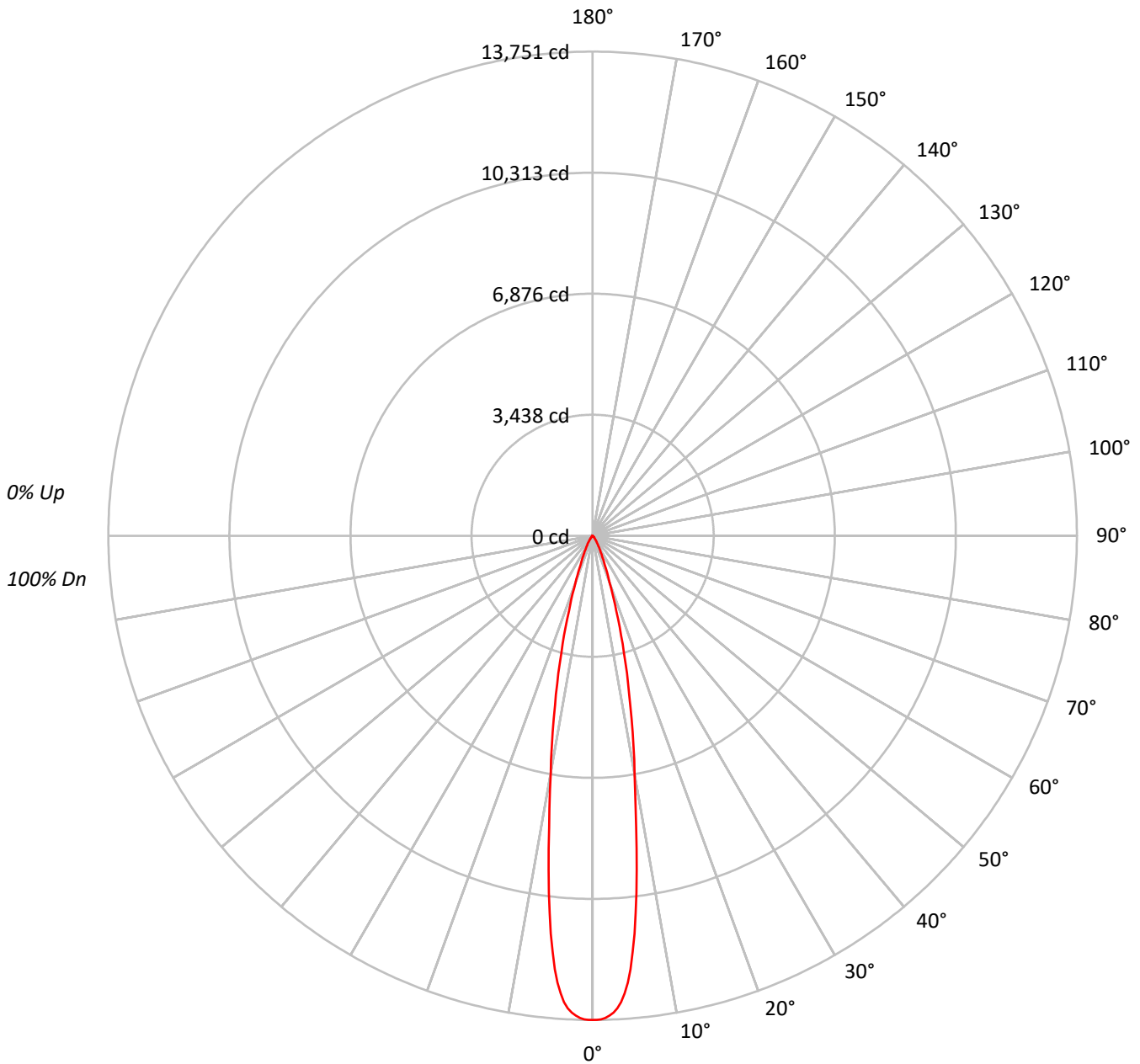
Input Watts (W): 25.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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

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

	0°
0°	1502456
5°	1355490
10°	760781
15°	386718
20°	163735
25°	75576
30°	40006
35°	21555
40°	11524
45°	6814
50°	3961
55°	2095
60°	1333
65°	957
70°	383
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 6814 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	979.1	40.5
10°-20°	964.1	39.9
20°-30°	314.9	13.0
30°-40°	107.2	4.4
40°-50°	36.1	1.5
50°-60°	10.9	0.4
60°-70°	3.6	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°	2258.0	93.5
0°-40°	2365.3	97.9
0°-60°	2412.2	99.8
0°-90°	2416.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2416.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	13751	
5°	12359	979
15°	3419	964
25°	627	315
35°	162	107
45°	44	36
55°	11	11
65°	4	4
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	13751.1
0.5°	13751.1
1°	13733.9
1.5°	13699.7
2°	13637.2
2.5°	13553.9
3°	13436.4
3.5°	13272.3
4°	13028.6
4.5°	12732.3
5°	12358.8
5.5°	11867.8
6°	11364.5
6.5°	10787.8
7°	10223.3
7.5°	9562.1
8°	8971.9
8.5°	8378.0
9°	7829.4
9.5°	7326.2
10°	6857.2
12.5°	4923.7
15°	3418.8
17.5°	2233.5
20°	1408.2
22.5°	912.2
25°	626.9
27.5°	440.8
30°	317.1
32.5°	227.8
35°	161.6
37.5°	112.7
40°	80.8
42.5°	58.8
45°	44.1
47.5°	34.3
50°	23.3
52.5°	14.7
55°	11.0
57.5°	8.6
60°	6.1
62.5°	4.9
65°	3.7



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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



Signify Classified - Internal  
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Scaled Data Report





— 0°-180°

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Scaled Data Report





67.5°		2.4
70°		1.2

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(END OF REPORT)