

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: P791058

Luminaire Tested: LER6D25D010-EC6DR6020359030-6LBDP1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791058  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D25D010-EC6DR6020359030-6LBDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4494.6 lumens  
Efficiency: N/A  
Efficacy: 179.1 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

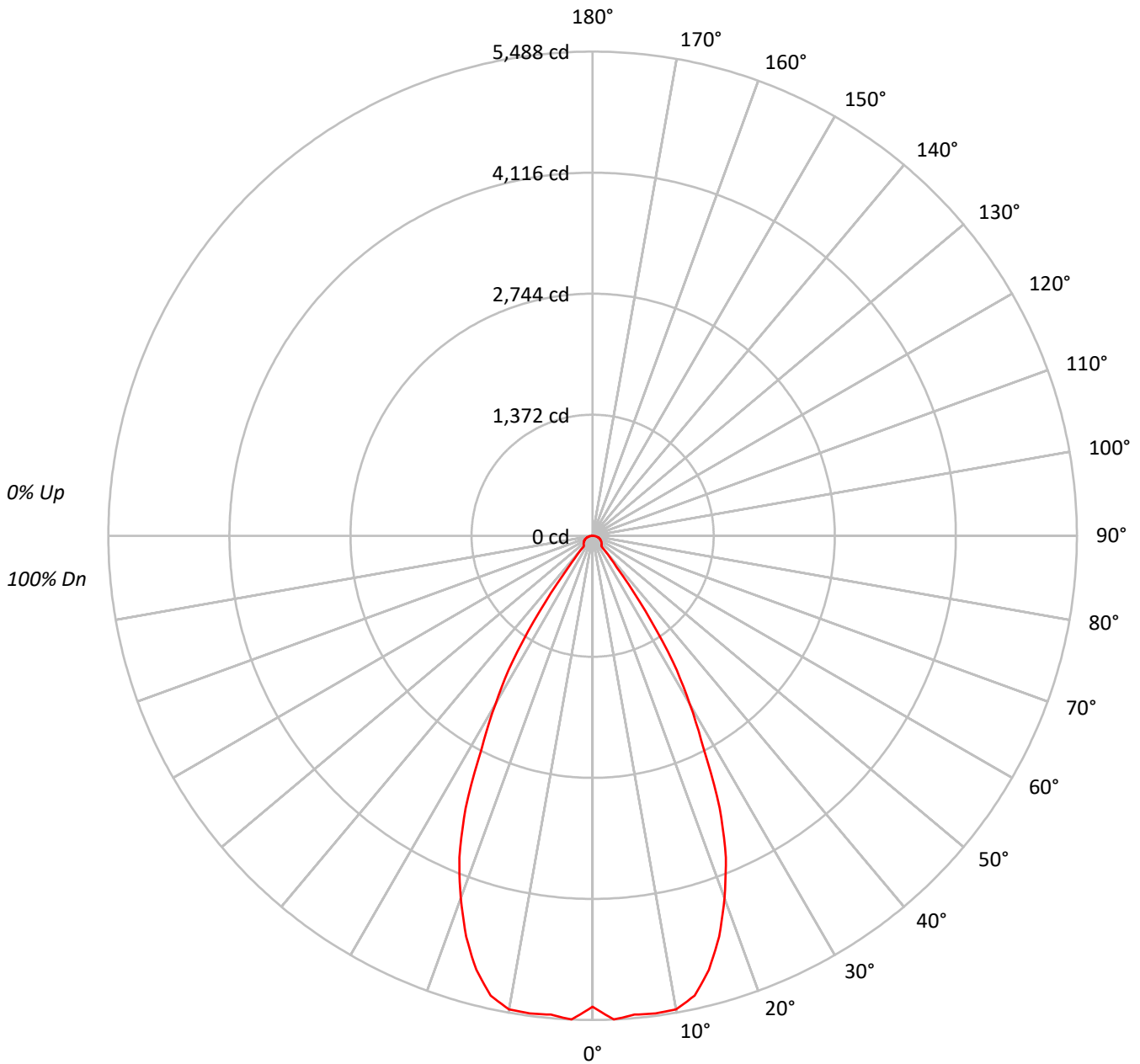
Input Watts (W): 25.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93																
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			86																
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			80																
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			75																
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			70																
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			66																
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			62																
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59																
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			55																
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			53																

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

	0°
0°	583223
5°	597559
10°	604779
15°	576129
20°	507973
25°	410867
30°	277913
35°	139265
40°	22593
45°	22112
50°	22556
55°	22897
60°	23535
65°	24069
70°	24630
75°	24907
80°	24036
85°	20058

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 24907 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	520.7	11.6
10°-20°	1408.8	31.3
20°-30°	1515.8	33.7
30°-40°	658.9	14.7
40°-50°	110.7	2.5
50°-60°	107.6	2.4
60°-70°	92.0	2.0
70°-80°	61.6	1.4
80°-90°	18.4	0.4
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°	3445.4	76.7
0°-40°	4104.3	91.3
0°-60°	4322.5	96.2
0°-90°	4494.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4494.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5338	
5°	5448	521
15°	5093	1409
25°	3408	1516
35°	1044	659
45°	143	111
55°	120	108
65°	93	92
75°	59	62
85°	16	18
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5337.9
2.5°	5487.9
5°	5448.3
7.5°	5460.8
10°	5451.1
12.5°	5338.6
15°	5093.3
17.5°	4764.1
20°	4368.8
22.5°	3945.7
25°	3408.1
27.5°	2725.9
30°	2202.8
32.5°	1697.8
35°	1044.1
37.5°	446.7
40°	158.4
42.5°	145.9
45°	143.1
47.5°	138.2
50°	132.7
52.5°	126.4
55°	120.2
57.5°	113.9
60°	107.7
62.5°	100.7
65°	93.1
67.5°	85.4
70°	77.1
72.5°	68.1
75°	59.0
77.5°	48.6
80°	38.2
82.5°	27.1
85°	16.0
87.5°	5.6
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)