

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: P791146

Luminaire Tested: LER6D25D010-EC6DR7020359027-6LBDP1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791146  
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-EC6DR7020359027-6LBDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3778.9 lumens  
Efficiency: N/A  
Efficacy: 150.6 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 (Ain): 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

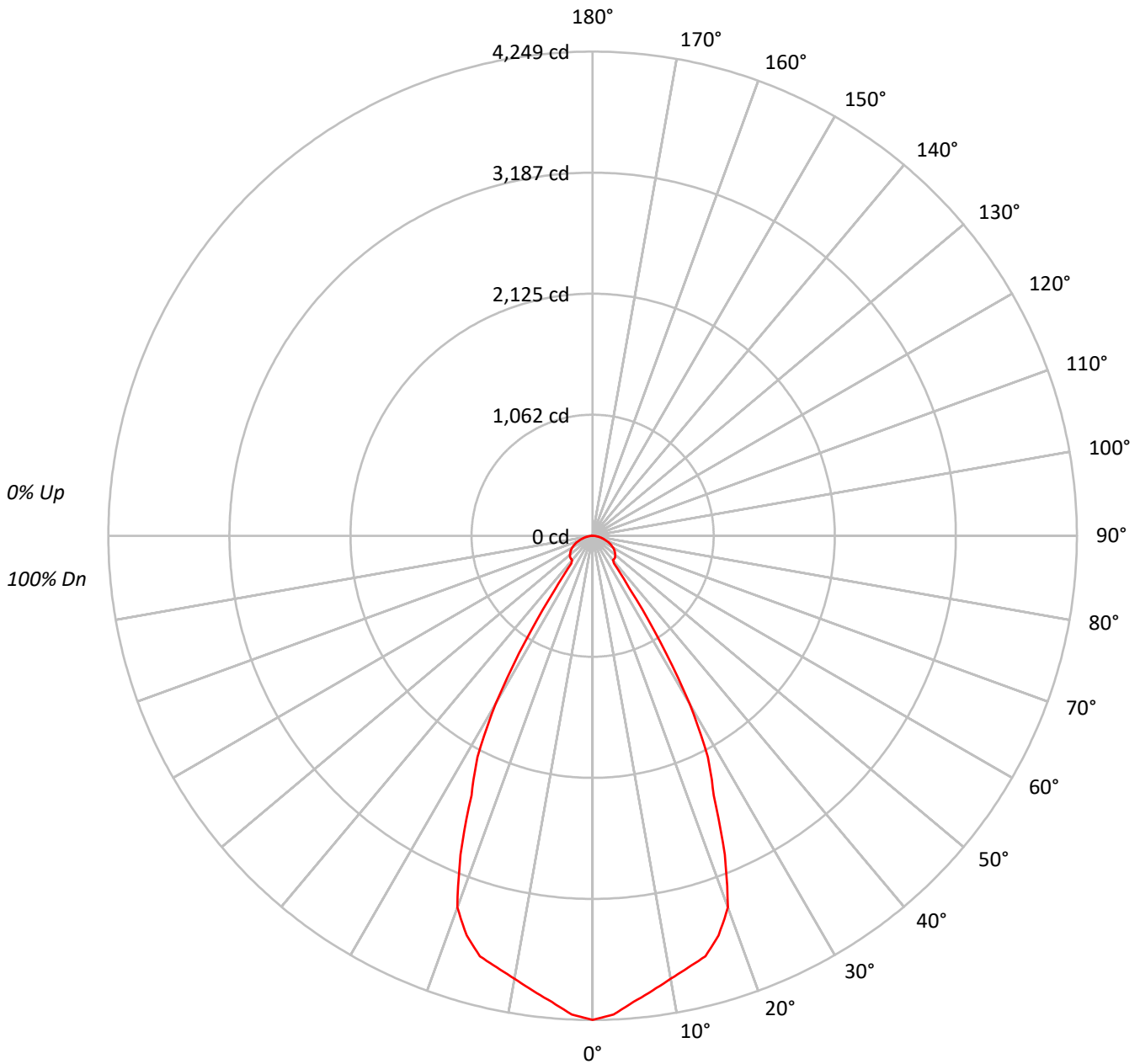


Downlight

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

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

	0°
0°	464216
5°	450415
10°	437861
15°	432122
20°	403513
25°	303138
30°	214289
35°	75908
40°	39908
45°	42508
50°	44025
55°	44841
60°	45125
65°	44183
70°	41689
75°	38627
80°	34292
85°	27831

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 45144 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	387.3	10.3
10°-20°	1062.5	28.1
20°-30°	1170.2	31.0
30°-40°	447.1	11.8
40°-50°	211.1	5.6
50°-60°	209.9	5.6
60°-70°	168.0	4.4
70°-80°	96.6	2.6
80°-90°	26.2	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°	2620.0	69.3
0°-40°	3067.1	81.2
0°-60°	3488.1	92.3
0°-90°	3778.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3778.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4249	
5°	4107	387
15°	3820	1062
25°	2514	1170
35°	569	447
45°	275	211
55°	235	210
65°	171	168
75°	92	97
85°	22	26
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4248.7
2.5°	4204.3
5°	4106.7
7.5°	4025.3
10°	3946.6
12.5°	3880.0
15°	3820.2
17.5°	3675.5
20°	3470.4
22.5°	3027.7
25°	2514.5
27.5°	2188.9
30°	1698.5
32.5°	1097.1
35°	569.1
37.5°	307.4
40°	279.8
42.5°	277.8
45°	275.1
47.5°	269.1
50°	259.0
52.5°	247.5
55°	235.4
57.5°	222.0
60°	206.5
62.5°	189.0
65°	170.9
67.5°	150.7
70°	130.5
72.5°	110.3
75°	91.5
77.5°	72.0
80°	54.5
82.5°	38.3
85°	22.2
87.5°	8.7
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)