

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: P791176

Luminaire Tested: LER6D25D010-EC6DR7020359050-6LBDP1H

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791176  
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-EC6DR7020359050-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-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: 5355.6 lumens  
Efficiency: N/A  
Efficacy: 213.4 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

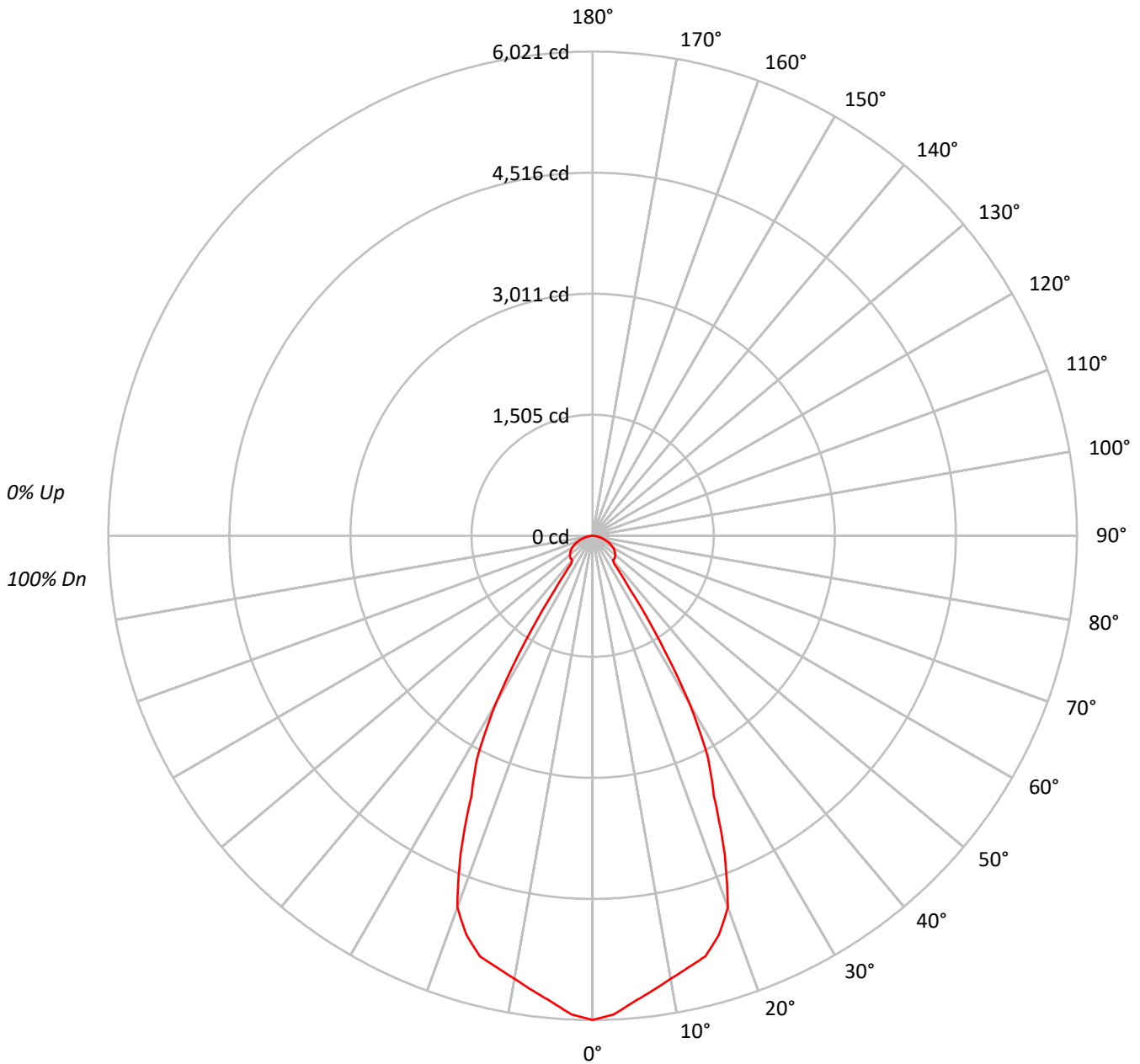


Downlight

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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									
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																			
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°	657892
5°	638338
10°	620545
15°	612405
20°	571865
25°	429613
30°	303701
35°	107573
40°	56567
45°	60247
50°	62382
55°	63567
60°	63961
65°	62591
70°	59068
75°	54753
80°	48575
85°	39489

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 63974 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	549.0	10.3
10°-20°	1505.8	28.1
20°-30°	1658.4	31.0
30°-40°	633.6	11.8
40°-50°	299.2	5.6
50°-60°	297.4	5.6
60°-70°	238.1	4.4
70°-80°	136.9	2.6
80°-90°	37.2	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°	3713.2	69.3
0°-40°	4346.8	81.2
0°-60°	4943.4	92.3
0°-90°	5355.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5355.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6021	
5°	5820	549
15°	5414	1506
25°	3564	1658
35°	806	634
45°	390	299
55°	334	297
65°	242	238
75°	130	137
85°	32	37
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6021.3
2.5°	5958.3
5°	5820.1
7.5°	5704.8
10°	5593.2
12.5°	5498.8
15°	5414.0
17.5°	5209.0
20°	4918.3
22.5°	4291.0
25°	3563.6
27.5°	3102.2
30°	2407.2
32.5°	1554.9
35°	806.5
37.5°	435.7
40°	396.6
42.5°	393.7
45°	389.9
47.5°	381.3
50°	367.0
52.5°	350.8
55°	333.7
57.5°	314.6
60°	292.7
62.5°	267.9
65°	242.1
67.5°	213.5
70°	184.9
72.5°	156.3
75°	129.7
77.5°	102.0
80°	77.2
82.5°	54.3
85°	31.5
87.5°	12.4
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)