

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: P791712

Luminaire Tested: LER6D30D010-EC6DR7020359024-6LBDP1H

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791712  
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: LER6D30D010-EC6DR7020359024-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4898.5 lumens  
Efficiency: N/A  
Efficacy: 168.9 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): 29  
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

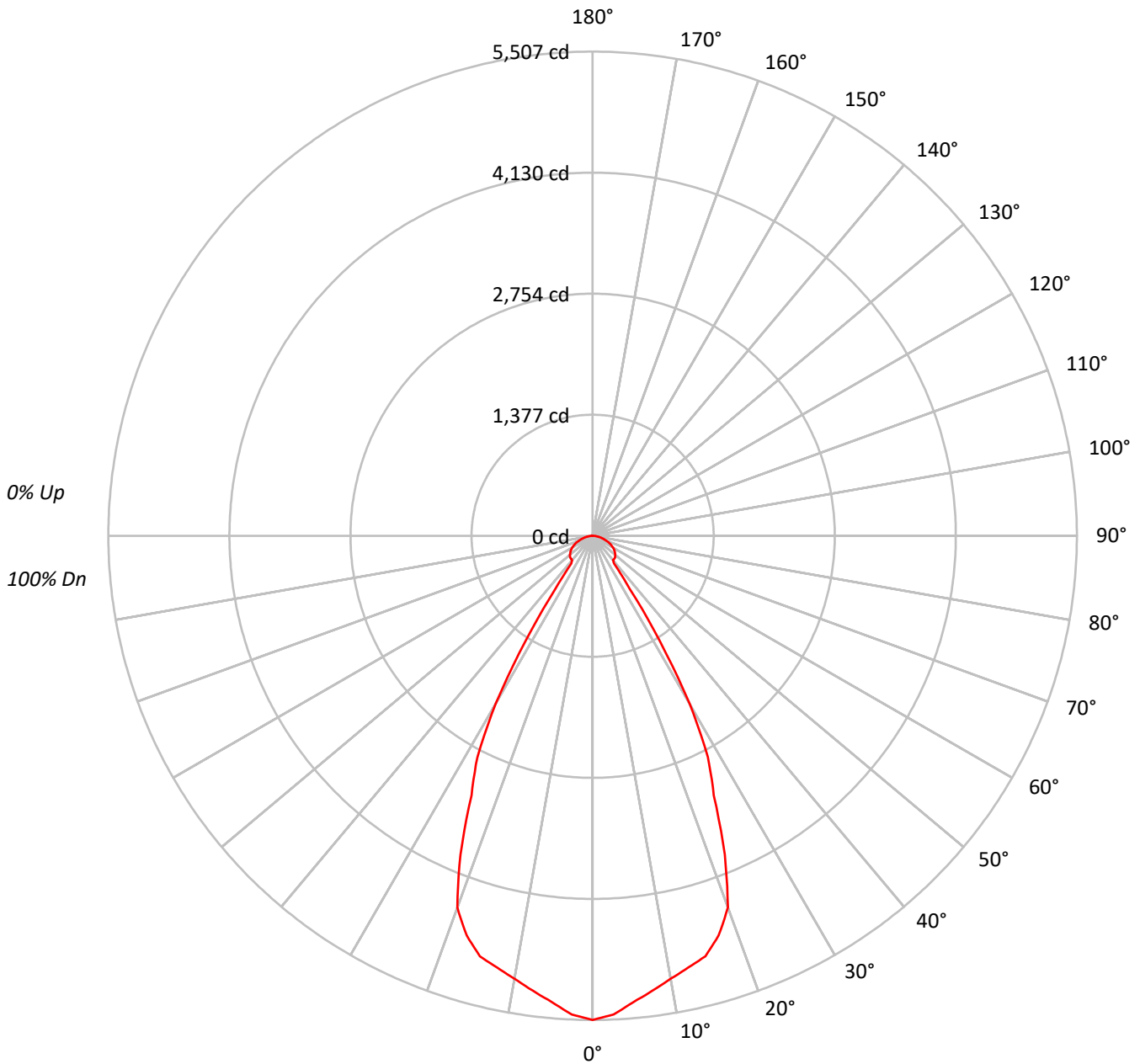


Downlight

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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°	601743
5°	583860
10°	567590
15°	560134
20°	523053
25°	392940
30°	277774
35°	98396
40°	51732
45°	55101
50°	57062
55°	58138
60°	58498
65°	57265
70°	54052
75°	50067
80°	44422
85°	36104

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 58525 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	502.1	10.3
10°-20°	1377.3	28.1
20°-30°	1516.9	31.0
30°-40°	579.6	11.8
40°-50°	273.6	5.6
50°-60°	272.1	5.6
60°-70°	217.8	4.4
70°-80°	125.2	2.6
80°-90°	34.0	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°	3396.3	69.3
0°-40°	3975.8	81.2
0°-60°	4521.5	92.3
0°-90°	4898.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4898.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5507	
5°	5323	502
15°	4952	1377
25°	3259	1517
35°	738	580
45°	357	274
55°	305	272
65°	222	218
75°	119	125
85°	29	34
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5507.4
2.5°	5449.8
5°	5323.4
7.5°	5217.9
10°	5115.9
12.5°	5029.6
15°	4951.9
17.5°	4764.5
20°	4498.5
22.5°	3924.8
25°	3259.4
27.5°	2837.4
30°	2201.7
32.5°	1422.2
35°	737.7
37.5°	398.5
40°	362.7
42.5°	360.1
45°	356.6
47.5°	348.8
50°	335.7
52.5°	320.9
55°	305.2
57.5°	287.8
60°	267.7
62.5°	245.0
65°	221.5
67.5°	195.3
70°	169.2
72.5°	143.0
75°	118.6
77.5°	93.3
80°	70.6
82.5°	49.7
85°	28.8
87.5°	11.3
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)