

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: P789968

Luminaire Tested: LER6D15D010-EC6DR700215IC9040-6LBDP1H

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P789968  
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: LER6D15D010-EC6DR700215IC9040-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2669.3 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): 15.8  
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

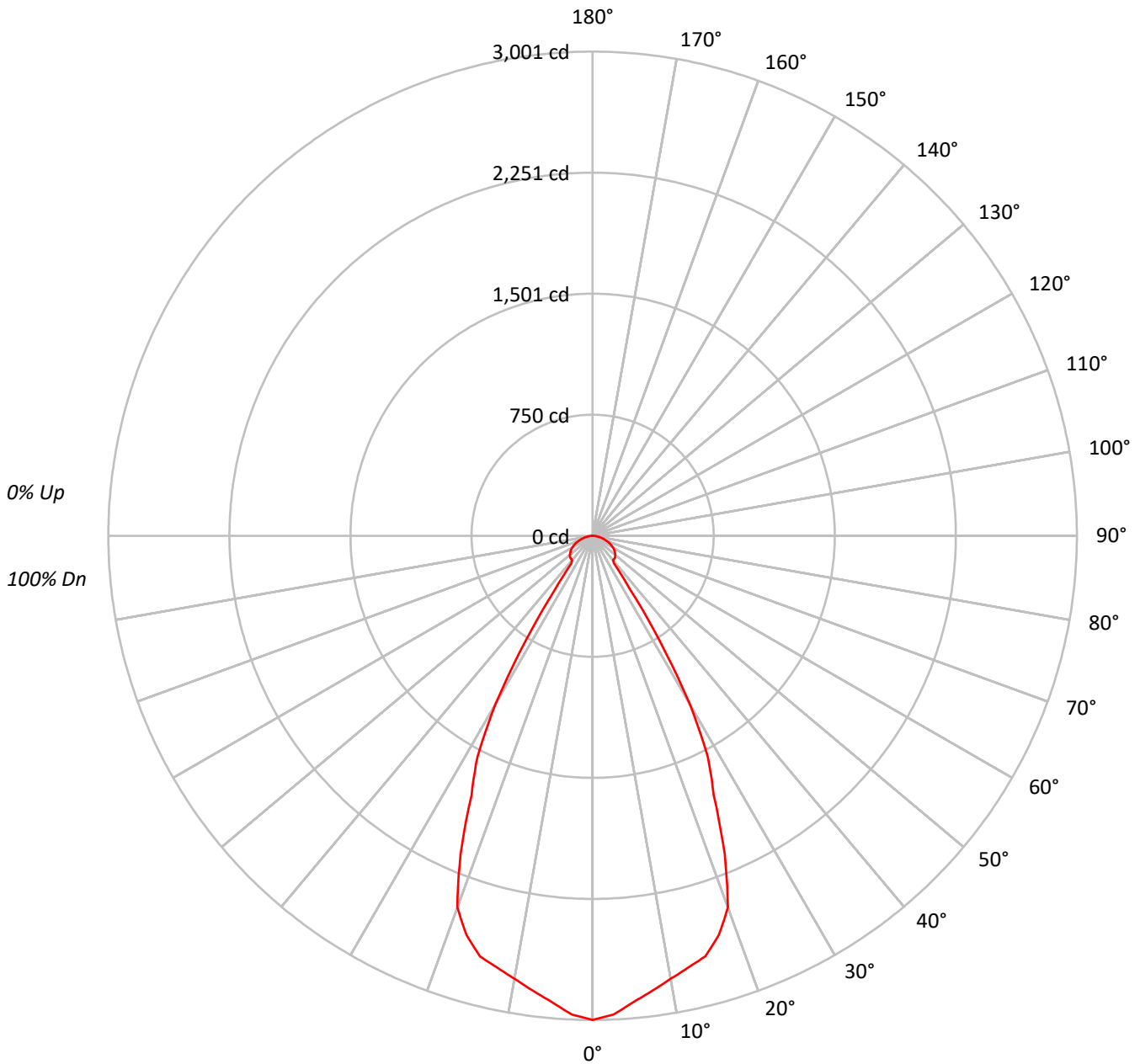


Downlight

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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	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°	327892
5°	318154
10°	309285
15°	305230
20°	285020
25°	214119
30°	151358
35°	53620
40°	28198
45°	30023
50°	31089
55°	31679
60°	31882
65°	31205
70°	29454
75°	27271
80°	24224
85°	19682

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 31886 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	273.6	10.3
10°-20°	750.5	28.1
20°-30°	826.5	31.0
30°-40°	315.8	11.8
40°-50°	149.1	5.6
50°-60°	148.3	5.6
60°-70°	118.7	4.4
70°-80°	68.2	2.6
80°-90°	18.6	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°	1850.6	69.3
0°-40°	2166.5	81.2
0°-60°	2463.8	92.3
0°-90°	2669.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2669.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3001	
5°	2901	274
15°	2698	750
25°	1776	827
35°	402	316
45°	194	149
55°	166	148
65°	121	119
75°	65	68
85°	16	19
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3001.0
2.5°	2969.7
5°	2900.8
7.5°	2843.3
10°	2787.7
12.5°	2740.6
15°	2698.4
17.5°	2596.2
20°	2451.3
22.5°	2138.6
25°	1776.1
27.5°	1546.1
30°	1199.7
32.5°	775.0
35°	402.0
37.5°	217.1
40°	197.7
42.5°	196.2
45°	194.3
47.5°	190.1
50°	182.9
52.5°	174.9
55°	166.3
57.5°	156.8
60°	145.9
62.5°	133.5
65°	120.7
67.5°	106.4
70°	92.2
72.5°	77.9
75°	64.6
77.5°	50.8
80°	38.5
82.5°	27.1
85°	15.7
87.5°	6.2
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)