

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: P789870

Luminaire Tested: LER6D15D010-EC6DR600215IC9035-6LBDP1H

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P789870  
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: LER6D15D010-EC6DR600215IC9035-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2580.6 lumens  
Efficiency: N/A  
Efficacy: 163.3 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): 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

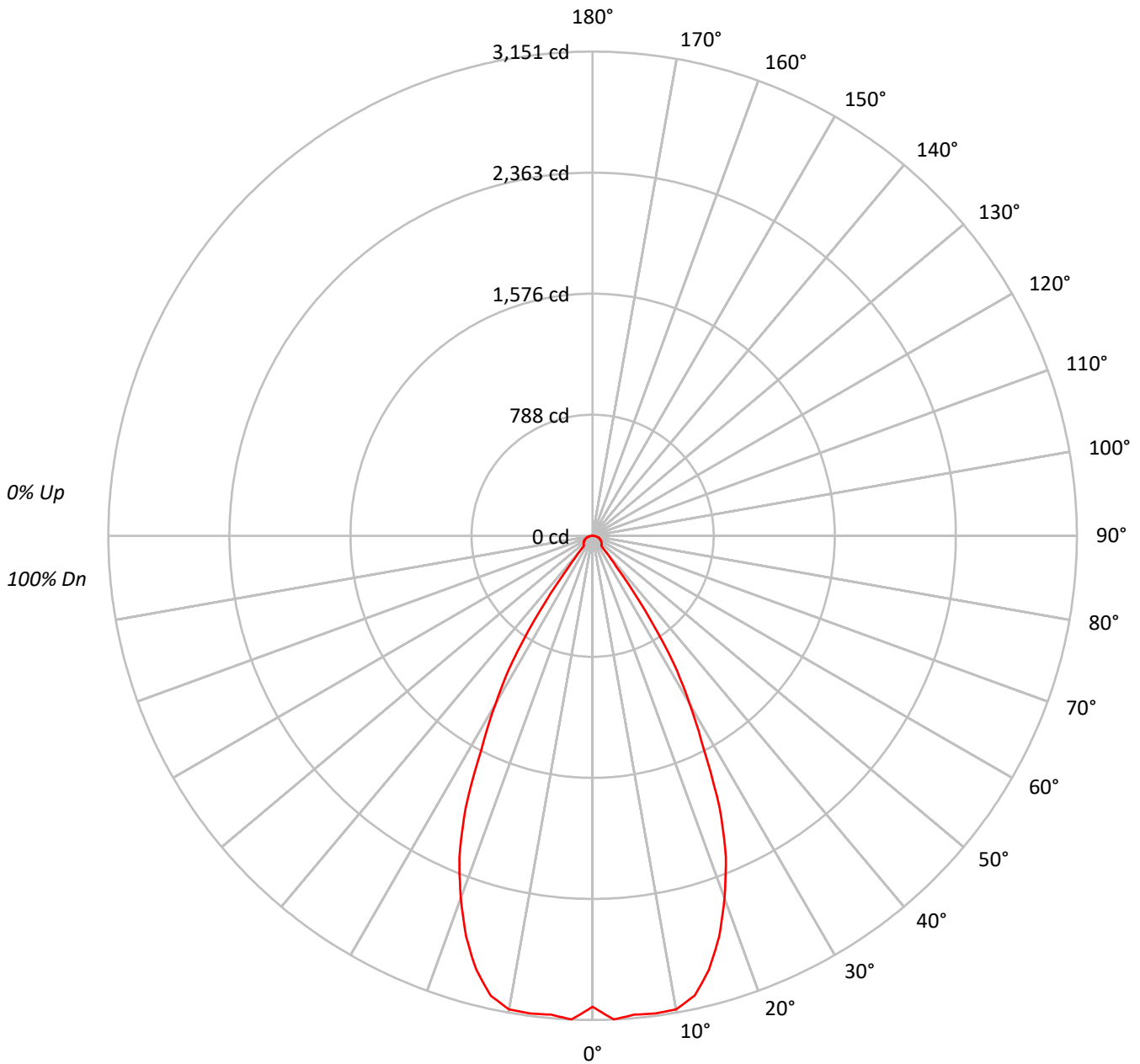


Downlight

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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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93																			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86																			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80																			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70																			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62																			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59																			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55																			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53																			

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

	0°
0°	334851
5°	343084
10°	347229
15°	330782
20°	291647
25°	235892
30°	159559
35°	79963
40°	12965
45°	12701
50°	12952
55°	13144
60°	13505
65°	13806
70°	14152
75°	14311
80°	13780
85°	11533

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 14311 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	299.0	11.6
10°-20°	808.9	31.3
20°-30°	870.3	33.7
30°-40°	378.3	14.7
40°-50°	63.6	2.5
50°-60°	61.8	2.4
60°-70°	52.8	2.0
70°-80°	35.4	1.4
80°-90°	10.6	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°	1978.1	76.7
0°-40°	2356.4	91.3
0°-60°	2481.8	96.2
0°-90°	2580.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2580.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3065	
5°	3128	299
15°	2924	809
25°	1957	870
35°	600	378
45°	82	64
55°	69	62
65°	53	53
75°	34	35
85°	9	11
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3064.7
2.5°	3150.8
5°	3128.1
7.5°	3135.3
10°	3129.7
12.5°	3065.1
15°	2924.3
17.5°	2735.3
20°	2508.3
22.5°	2265.4
25°	1956.7
27.5°	1565.1
30°	1264.7
32.5°	974.8
35°	599.5
37.5°	256.5
40°	90.9
42.5°	83.8
45°	82.2
47.5°	79.4
50°	76.2
52.5°	72.6
55°	69.0
57.5°	65.4
60°	61.8
62.5°	57.8
65°	53.4
67.5°	49.1
70°	44.3
72.5°	39.1
75°	33.9
77.5°	27.9
80°	21.9
82.5°	15.6
85°	9.2
87.5°	3.2
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)