

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: P789862

Luminaire Tested: LER6D15D010-EC6DR600215IC9030-6LBDP1H

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P789862  
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-EC6DR600215IC9030-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2444.4 lumens  
Efficiency: N/A  
Efficacy: 154.7 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

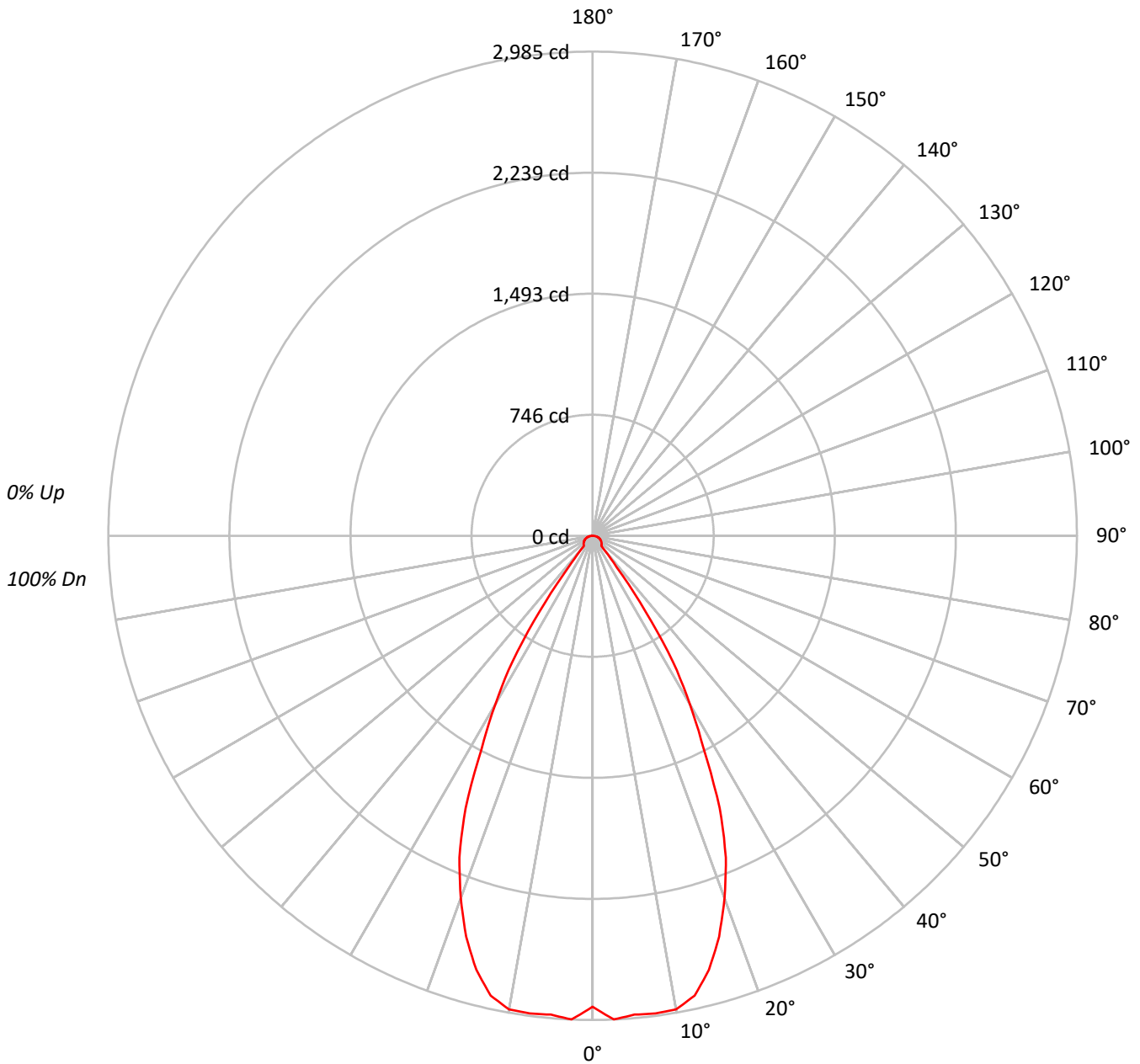


Downlight

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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°	317195
5°	324987
10°	328911
15°	313340
20°	276264
25°	223450
30°	151144
35°	75735
40°	12280
45°	12022
50°	12273
55°	12458
60°	12805
65°	13082
70°	13385
75°	13551
80°	13088
85°	10907

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 13551 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	283.2	11.6
10°-20°	766.2	31.3
20°-30°	824.4	33.7
30°-40°	358.3	14.7
40°-50°	60.2	2.5
50°-60°	58.6	2.4
60°-70°	50.1	2.0
70°-80°	33.5	1.4
80°-90°	10.0	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°	1873.8	76.7
0°-40°	2232.1	91.3
0°-60°	2350.9	96.2
0°-90°	2444.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2444.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2903	
5°	2963	283
15°	2770	766
25°	1854	824
35°	568	358
45°	78	60
55°	65	59
65°	51	50
75°	32	33
85°	9	10
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2903.1
2.5°	2984.7
5°	2963.1
7.5°	2969.9
10°	2964.6
12.5°	2903.4
15°	2770.1
17.5°	2591.0
20°	2376.0
22.5°	2145.9
25°	1853.5
27.5°	1482.5
30°	1198.0
32.5°	923.4
35°	567.8
37.5°	242.9
40°	86.1
42.5°	79.3
45°	77.8
47.5°	75.2
50°	72.2
52.5°	68.8
55°	65.4
57.5°	62.0
60°	58.6
62.5°	54.8
65°	50.6
67.5°	46.5
70°	41.9
72.5°	37.0
75°	32.1
77.5°	26.4
80°	20.8
82.5°	14.7
85°	8.7
87.5°	3.0
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)