

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: P789545

Luminaire Tested: LER6D15D010-EC6DR250215IC9035-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789545
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D15D010-EC6DR250215IC9035-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 25° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2420.2 lumens
Efficiency: N/A
Efficacy: 153.2 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.45
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

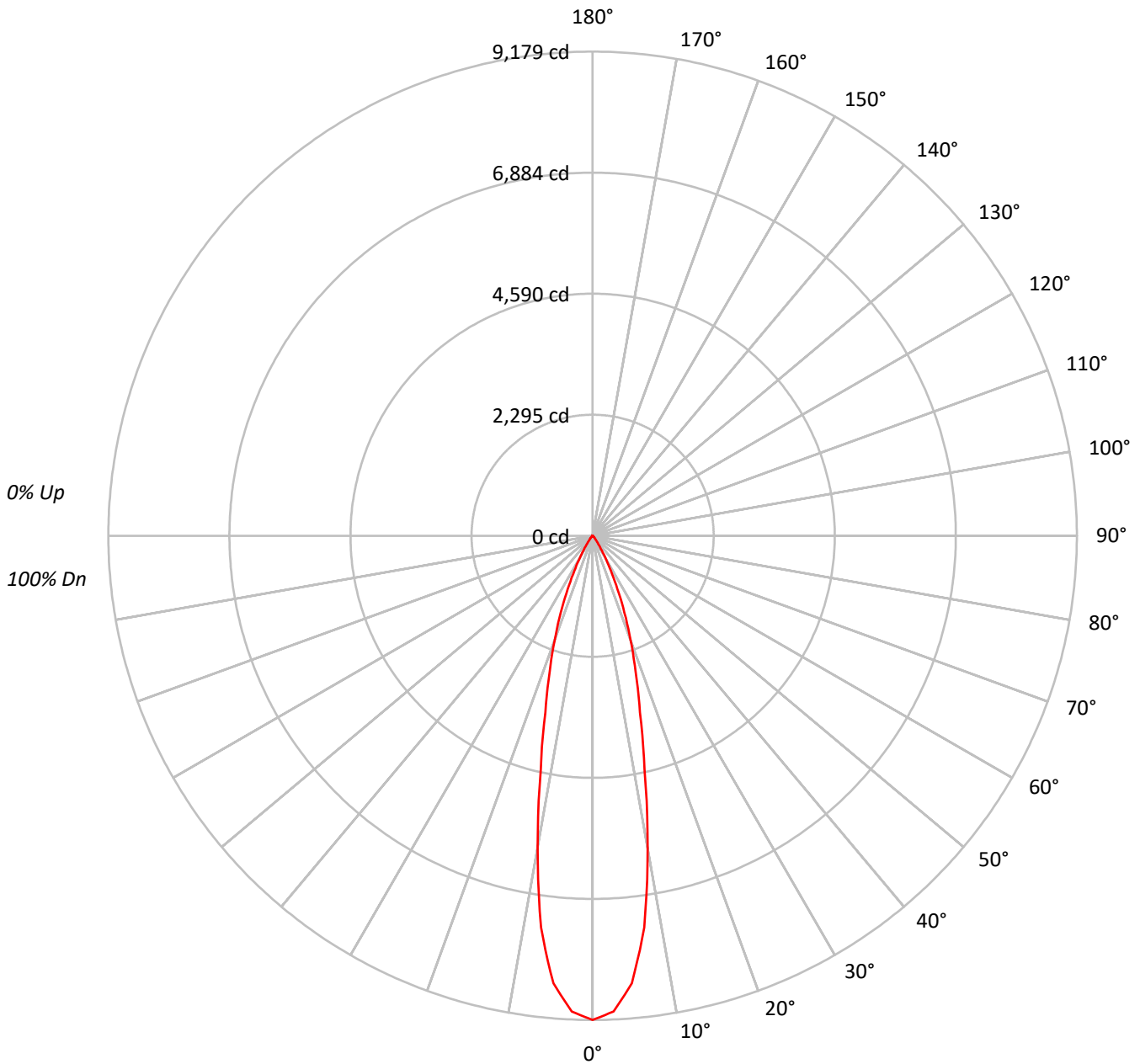
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																											
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																											
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																											
4	103	97	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																											
5	100	93	89	86	98	93	89	86	91	87	85	89	86	84	88	85	83	82																											
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																											
7	93	87	82	79	92	86	82	79	85	81	78	84	80	78	83	80	78	77																											
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																											
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																											
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1002937
5°	934118
10°	666332
15°	392441
20°	244185
25°	134010
30°	61290
35°	23209
40°	10512
45°	6320
50°	2618
55°	1695
60°	1180
65°	801
70°	128
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6320 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	732.0	30.2
10°-20°	991.4	41.0
20°-30°	524.6	21.7
30°-40°	129.5	5.4
40°-50°	31.6	1.3
50°-60°	8.3	0.3
60°-70°	2.8	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
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°	2248.0	92.9
0°-40°	2377.5	98.2
0°-60°	2417.4	99.9
0°-90°	2420.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2420.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9179	
5°	8517	732
15°	3469	991
25°	1112	525
35°	174	130
45°	41	32
55°	9	8
65°	3	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9179.3
2.5°	9028.5
5°	8516.9
7.5°	7489.0
10°	6005.9
12.5°	4540.1
15°	3469.4
17.5°	2703.9
20°	2100.1
22.5°	1575.0
25°	1111.6
27.5°	745.4
30°	485.8
32.5°	295.5
35°	174.0
37.5°	106.5
40°	73.7
42.5°	56.3
45°	40.9
47.5°	24.7
50°	15.4
52.5°	11.2
55°	8.9
57.5°	6.9
60°	5.4
62.5°	4.2
65°	3.1
67.5°	1.2
70°	0.4
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)