

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: P786767

Luminaire Tested: LERS6D15D010-EC6DR500215IC9024-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P786767
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LERS6D15D010-EC6DR500215IC9024-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2205.9 lumens
Efficiency: N/A
Efficacy: 139.6 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73
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

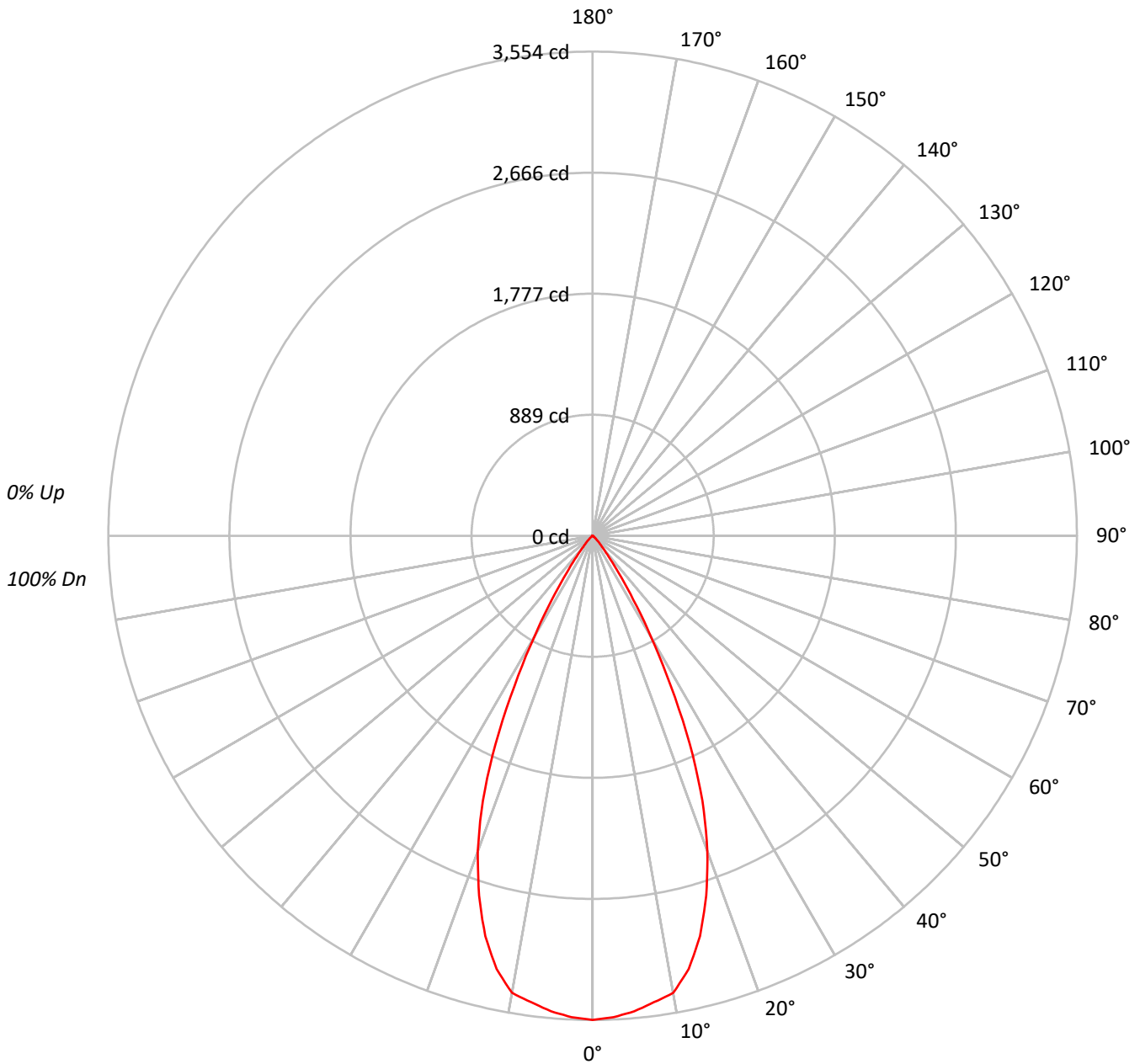


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20													
RC	80					70					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	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95																
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90																
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85																
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80																
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76																
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	72																
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69																
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65																
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62																
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	59																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	388345
5°	384279
10°	377950
15°	344153
20°	286368
25°	203281
30°	107592
35°	43843
40°	16288
45°	7448
50°	3060
55°	1600
60°	787
65°	233
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7448 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	331.2	15.0
10°-20°	836.9	37.9
20°-30°	751.8	34.1
30°-40°	235.4	10.7
40°-50°	41.2	1.9
50°-60°	8.2	0.4
60°-70°	1.2	0.1
70°-80°	0.0	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°	1919.9	87.0
0°-40°	2155.2	97.7
0°-60°	2204.7	99.9
0°-90°	2205.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2205.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3554	
5°	3504	331
15°	3042	837
25°	1686	752
35°	329	235
45°	48	41
55°	8	8
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3554.3
2.5°	3536.6
5°	3503.7
7.5°	3453.3
10°	3406.6
12.5°	3256.7
15°	3042.5
17.5°	2770.4
20°	2462.9
22.5°	2107.2
25°	1686.2
27.5°	1239.7
30°	852.8
32.5°	555.3
35°	328.7
37.5°	188.8
40°	114.2
42.5°	74.3
45°	48.2
47.5°	29.4
50°	18.0
52.5°	12.3
55°	8.4
57.5°	5.7
60°	3.6
62.5°	2.1
65°	0.9
67.5°	0.3
70°	0.0
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)