

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: P789848

Luminaire Tested: LER6D15D010-EC6DR600215IC9024-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P789848
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-EC6DR600215IC9024-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1931.3 lumens
Efficiency: N/A
Efficacy: 122.2 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_{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

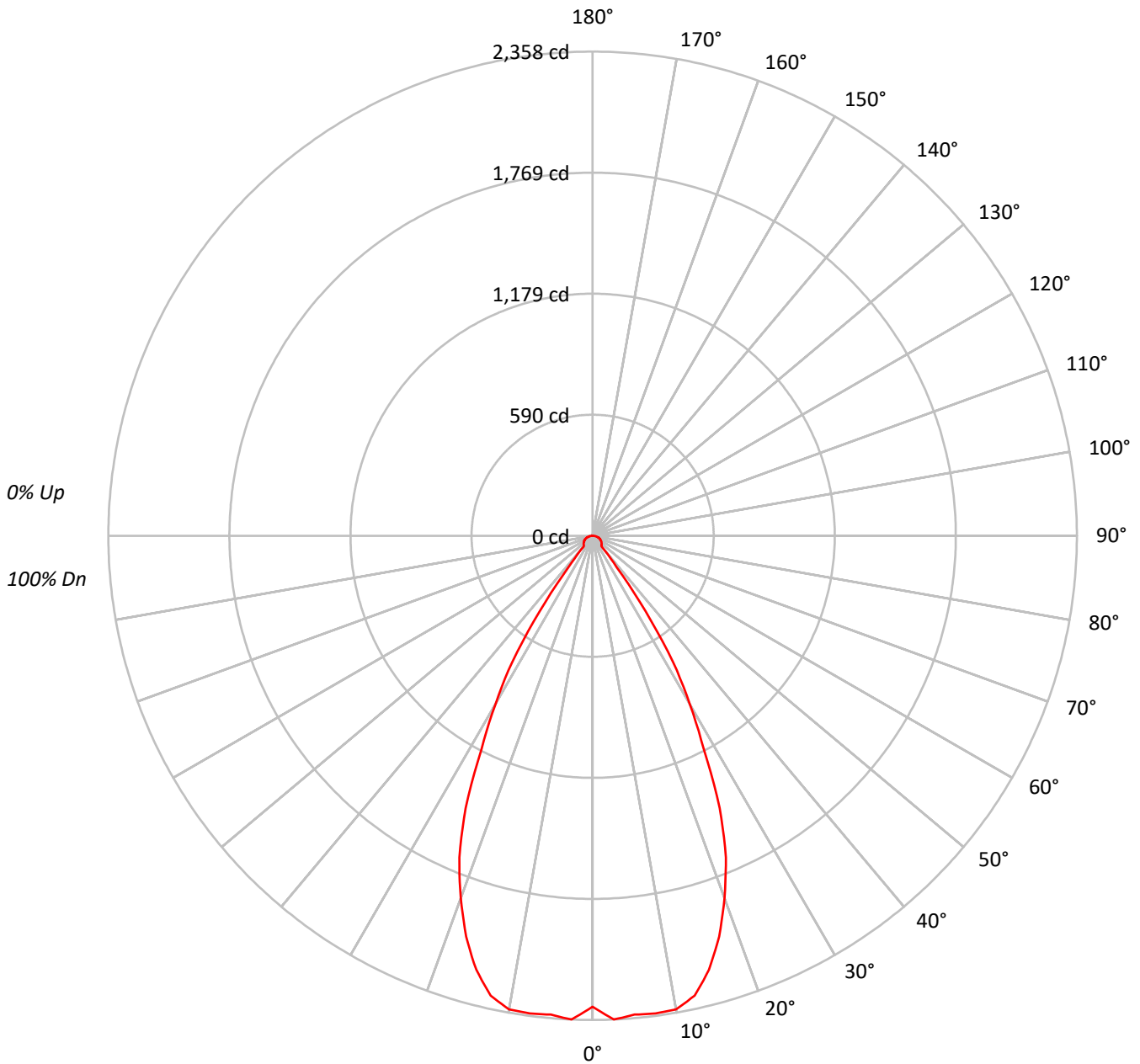


Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	250611
5°	256767
10°	259869
15°	247564
20°	218279
25°	176542
30°	119414
35°	59836
40°	9713
45°	9503
50°	9689
55°	9829
60°	10118
65°	10341
70°	10574
75°	10723
80°	10319
85°	8650

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 10723 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.8	11.6
10°-20°	605.4	31.3
20°-30°	651.3	33.7
30°-40°	283.1	14.7
40°-50°	47.6	2.5
50°-60°	46.2	2.4
60°-70°	39.5	2.0
70°-80°	26.5	1.4
80°-90°	7.9	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°	1480.5	76.7
0°-40°	1763.6	91.3
0°-60°	1857.4	96.2
0°-90°	1931.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1931.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2294	
5°	2341	224
15°	2189	605
25°	1464	651
35°	449	283
45°	62	48
55°	52	46
65°	40	40
75°	25	26
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2293.7
2.5°	2358.1
5°	2341.1
7.5°	2346.5
10°	2342.3
12.5°	2294.0
15°	2188.6
17.5°	2047.1
20°	1877.3
22.5°	1695.5
25°	1464.4
27.5°	1171.3
30°	946.5
32.5°	729.5
35°	448.6
37.5°	191.9
40°	68.1
42.5°	62.7
45°	61.5
47.5°	59.4
50°	57.0
52.5°	54.3
55°	51.6
57.5°	49.0
60°	46.3
62.5°	43.3
65°	40.0
67.5°	36.7
70°	33.1
72.5°	29.3
75°	25.4
77.5°	20.9
80°	16.4
82.5°	11.6
85°	6.9
87.5°	2.4
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)