

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: P774790

Luminaire Tested: LD6D95BD010-EU6DR6570959050-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774790
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR6570959050-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10439.4 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (Ain): 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

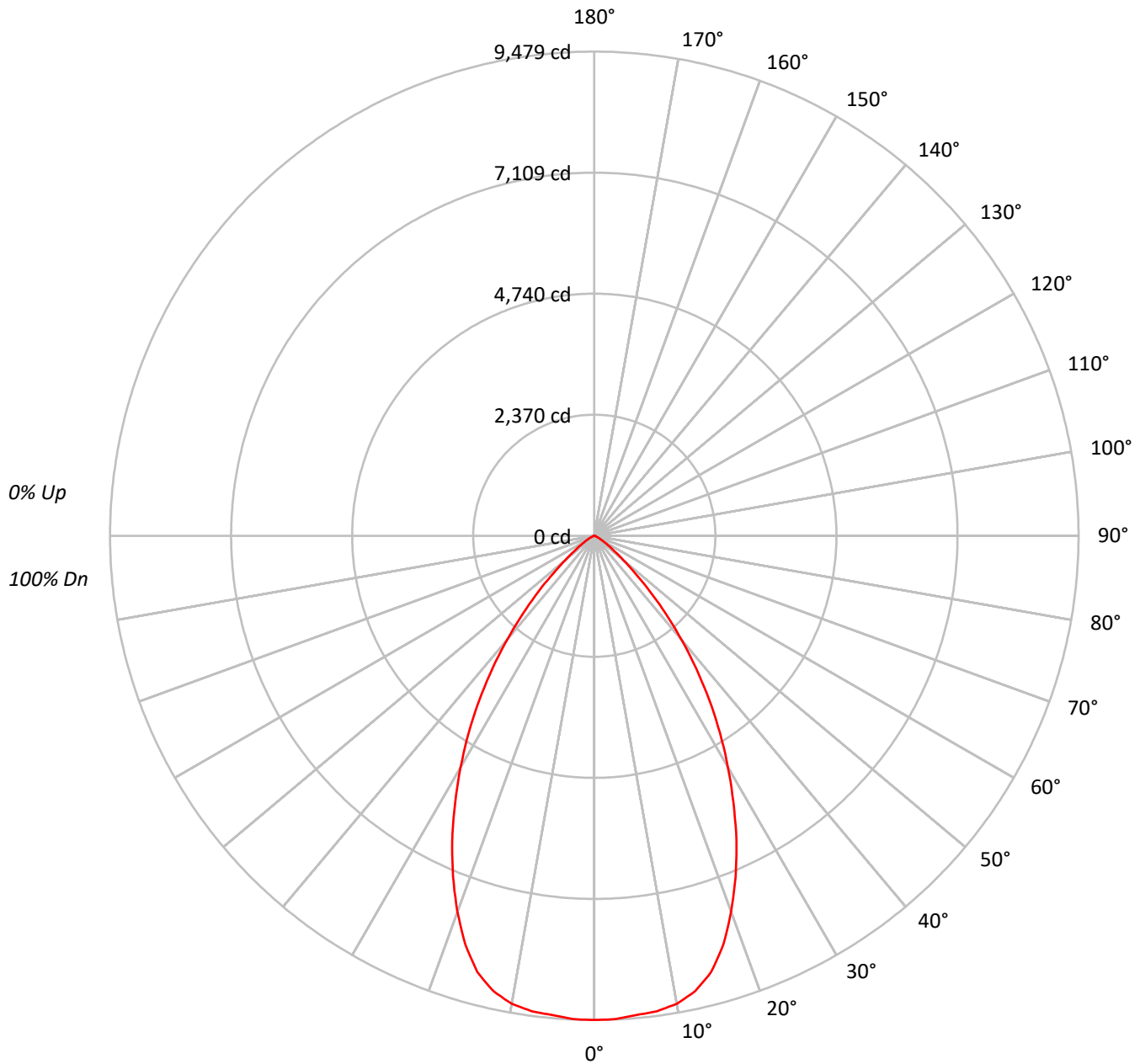


Downlight

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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	553593
5°	552196
10°	551725
15°	534715
20°	486794
25°	424212
30°	352821
35°	279559
40°	201771
45°	127470
50°	66446
55°	35313
60°	18549
65°	10199
70°	4286
75°	4716
80°	3296
85°	2814

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 127470 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	896.4	8.6
10°-20°	2454.6	23.5
20°-30°	3000.4	28.7
30°-40°	2434.4	23.3
40°-50°	1213.1	11.6
50°-60°	338.4	3.2
60°-70°	76.9	0.7
70°-80°	20.0	0.2
80°-90°	5.1	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°	6351.4	60.8
0°-40°	8785.9	84.2
0°-60°	10337.4	99.0
0°-90°	10439.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10439.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9479	
5°	9419	896
15°	8844	2455
25°	6583	3000
35°	3921	2434
45°	1543	1213
55°	347	338
65°	74	77
75°	21	20
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9478.7
2.5°	9471.7
5°	9418.8
7.5°	9388.2
10°	9303.2
12.5°	9130.5
15°	8843.5
17.5°	8395.0
20°	7832.3
22.5°	7225.0
25°	6582.9
27.5°	5896.2
30°	5231.7
32.5°	4575.7
35°	3921.0
37.5°	3267.7
40°	2646.5
42.5°	2064.3
45°	1543.3
47.5°	1075.3
50°	731.3
52.5°	504.2
55°	346.8
57.5°	234.0
60°	158.8
62.5°	110.0
65°	73.8
67.5°	37.6
70°	25.1
72.5°	23.7
75°	20.9
77.5°	13.9
80°	9.8
82.5°	7.0
85°	4.2
87.5°	2.8
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180°







(END OF REPORT)