

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: P756618

Luminaire Tested: LD4D95BD010-EU4DR6070959035-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756618
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: LD4D95BD010-EU4DR6070959035-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8079.3 lumens
Efficiency: N/A
Efficacy: 81.4 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): 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

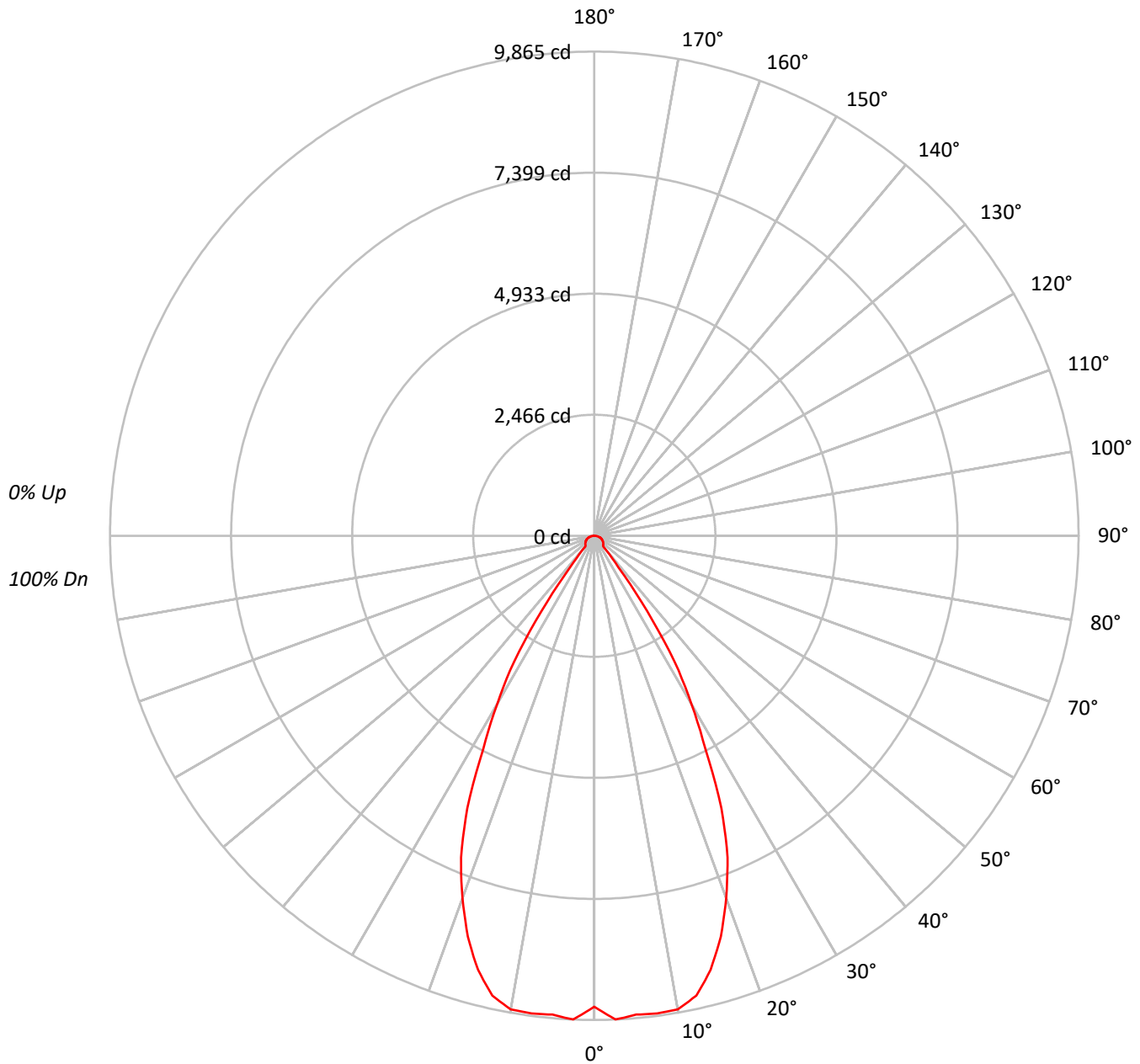


Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1048390
5°	1074166
10°	1087140
15°	1035648
20°	913126
25°	738562
30°	499569
35°	250346
40°	40607
45°	39742
50°	40540
55°	41146
60°	42306
65°	43253
70°	44277
75°	44790
80°	43227
85°	35979

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 44790 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	936.0	11.6
10°-20°	2532.5	31.3
20°-30°	2724.8	33.7
30°-40°	1184.4	14.7
40°-50°	198.9	2.5
50°-60°	193.4	2.4
60°-70°	165.4	2.0
70°-80°	110.7	1.4
80°-90°	33.1	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°	6193.3	76.7
0°-40°	7377.7	91.3
0°-60°	7770.1	96.2
0°-90°	8079.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8079.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9595	
5°	9794	936
15°	9156	2533
25°	6126	2725
35°	1877	1184
45°	257	199
55°	216	193
65°	167	165
75°	106	111
85°	29	33
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9595.3
2.5°	9865.0
5°	9793.8
7.5°	9816.3
10°	9798.8
12.5°	9596.5
15°	9155.7
17.5°	8563.8
20°	7853.3
22.5°	7092.8
25°	6126.3
27.5°	4900.0
30°	3959.7
32.5°	3051.9
35°	1876.9
37.5°	802.9
40°	284.7
42.5°	262.2
45°	257.2
47.5°	248.5
50°	238.5
52.5°	227.3
55°	216.0
57.5°	204.8
60°	193.6
62.5°	181.1
65°	167.3
67.5°	153.6
70°	138.6
72.5°	122.4
75°	106.1
77.5°	87.4
80°	68.7
82.5°	48.7
85°	28.7
87.5°	10.0
90°	0.0



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

Scaled Data Report





— 0°-180°







(END OF REPORT)