

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: P756687

Luminaire Tested: LD4D95BD010-EU4DR6570959030-4LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P756687
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: LD4D95BD010-EU4DR6570959030-4LBS1MW
Description: 4 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7715.9 lumens
Efficiency: N/A
Efficacy: 77.8 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

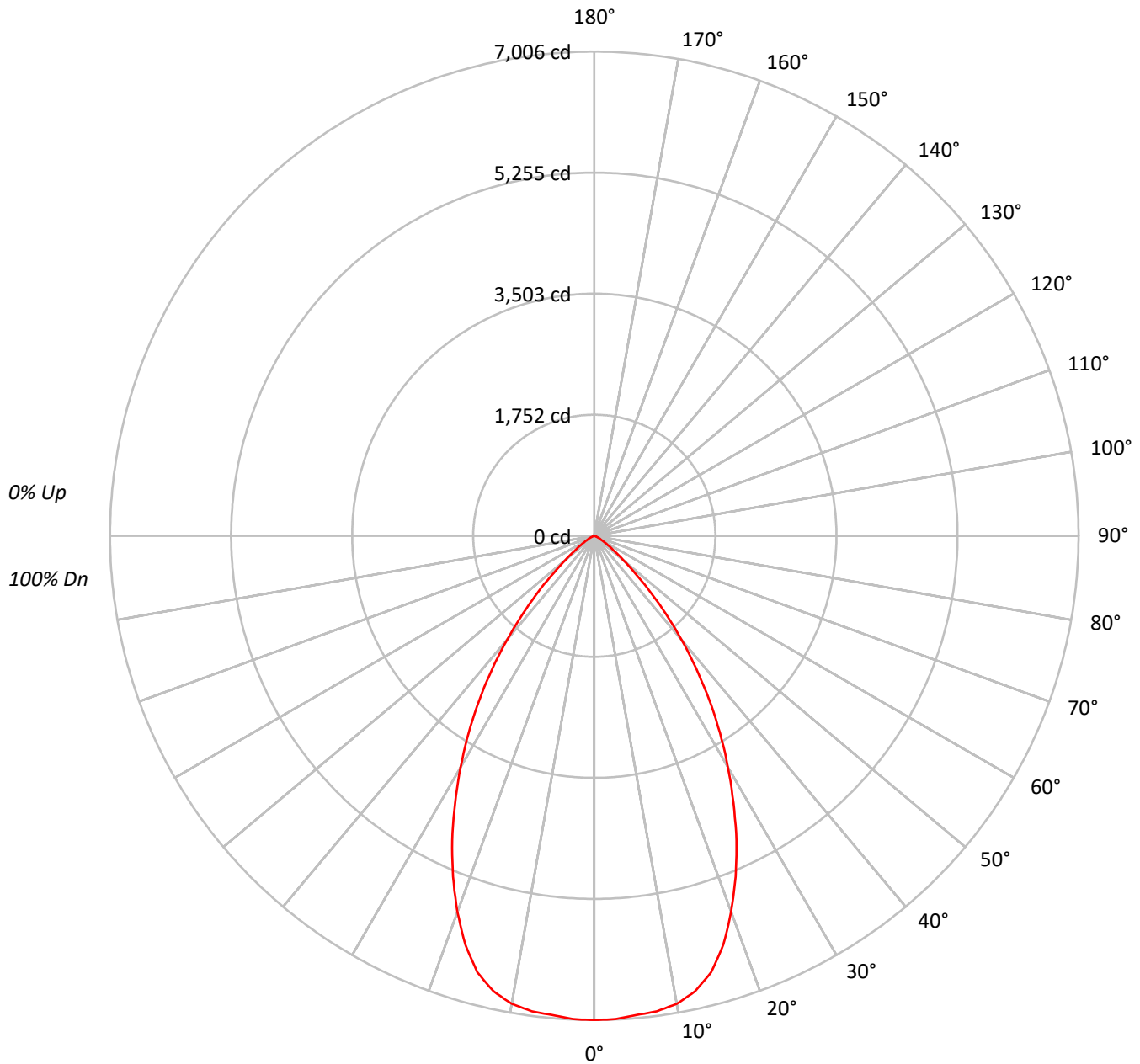


Downlight

TEST NUMBER: P756687

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	409166
5°	408137
10°	407786
15°	395218
20°	359792
25°	313540
30°	260773
35°	206629
40°	149135
45°	94217
50°	49110
55°	26098
60°	13713
65°	7545
70°	3159
75°	3475
80°	2422
85°	2077

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 94217 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	662.5	8.6
10°-20°	1814.3	23.5
20°-30°	2217.6	28.7
30°-40°	1799.3	23.3
40°-50°	896.6	11.6
50°-60°	250.1	3.2
60°-70°	56.8	0.7
70°-80°	14.8	0.2
80°-90°	3.8	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°	4694.4	60.8
0°-40°	6493.7	84.2
0°-60°	7640.5	99.0
0°-90°	7715.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7715.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7006	
5°	6962	663
15°	6536	1814
25°	4866	2218
35°	2898	1799
45°	1141	897
55°	256	250
65°	55	57
75°	15	15
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7005.8
2.5°	7000.7
5°	6961.6
7.5°	6938.9
10°	6876.1
12.5°	6748.4
15°	6536.4
17.5°	6204.9
20°	5788.9
22.5°	5340.1
25°	4865.5
27.5°	4357.9
30°	3866.8
32.5°	3381.9
35°	2898.1
37.5°	2415.2
40°	1956.1
42.5°	1525.7
45°	1140.7
47.5°	794.8
50°	540.5
52.5°	372.7
55°	256.3
57.5°	173.0
60°	117.4
62.5°	81.3
65°	54.6
67.5°	27.8
70°	18.5
72.5°	17.5
75°	15.4
77.5°	10.3
80°	7.2
82.5°	5.1
85°	3.1
87.5°	2.1
90°	0.0



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— 0°-180°







(END OF REPORT)