

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: P756713

Luminaire Tested: LD4D95BD010-EU4DR6570959040-4LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P756713
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-EU4DR6570959040-4LBS1MW
Description: 4 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8161.7 lumens
Efficiency: N/A
Efficacy: 82.3 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

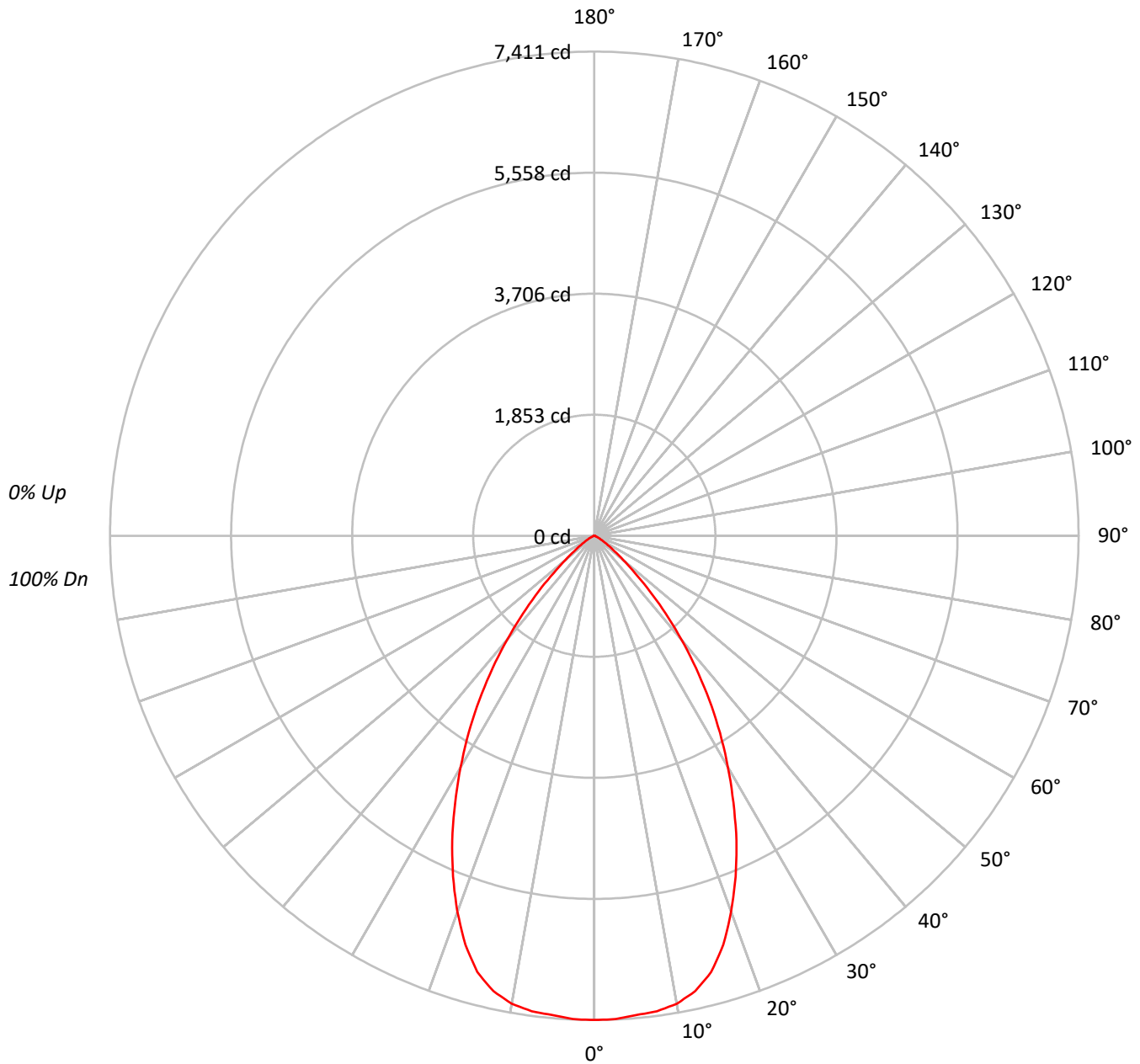


Downlight

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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					0
RW	70	50	30	10	70	50	30	10	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	100		
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93		
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85		
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78		
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72		
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66		
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61		
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56		
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52		
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49		
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	432808
5°	431717
10°	431348
15°	418049
20°	380582
25°	331655
30°	275846
35°	218564
40°	157750
45°	99660
50°	51945
55°	27615
60°	14496
65°	7974
70°	3347
75°	3678
80°	2556
85°	2211

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 99660 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	700.8	8.6
10°-20°	1919.1	23.5
20°-30°	2345.8	28.7
30°-40°	1903.3	23.3
40°-50°	948.4	11.6
50°-60°	264.6	3.2
60°-70°	60.1	0.7
70°-80°	15.6	0.2
80°-90°	4.0	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°	4965.7	60.8
0°-40°	6869.0	84.2
0°-60°	8082.0	99.0
0°-90°	8161.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8161.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7411	
5°	7364	701
15°	6914	1919
25°	5147	2346
35°	3066	1903
45°	1207	948
55°	271	265
65°	58	60
75°	16	16
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7410.6
2.5°	7405.2
5°	7363.8
7.5°	7339.8
10°	7273.4
12.5°	7138.4
15°	6914.0
17.5°	6563.4
20°	6123.4
22.5°	5648.6
25°	5146.6
27.5°	4609.7
30°	4090.3
32.5°	3577.3
35°	3065.5
37.5°	2554.8
40°	2069.1
42.5°	1613.9
45°	1206.6
47.5°	840.7
50°	571.7
52.5°	394.2
55°	271.2
57.5°	183.0
60°	124.1
62.5°	86.0
65°	57.7
67.5°	29.4
70°	19.6
72.5°	18.5
75°	16.3
77.5°	10.9
80°	7.6
82.5°	5.4
85°	3.3
87.5°	2.2
90°	0.0



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— 0°-180°







(END OF REPORT)