

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: P756774

Luminaire Tested: LD4D95BD010-EU4DR7070959035-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756774
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR7070959035-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7014.2 lumens
Efficiency: N/A
Efficacy: 70.7 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
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

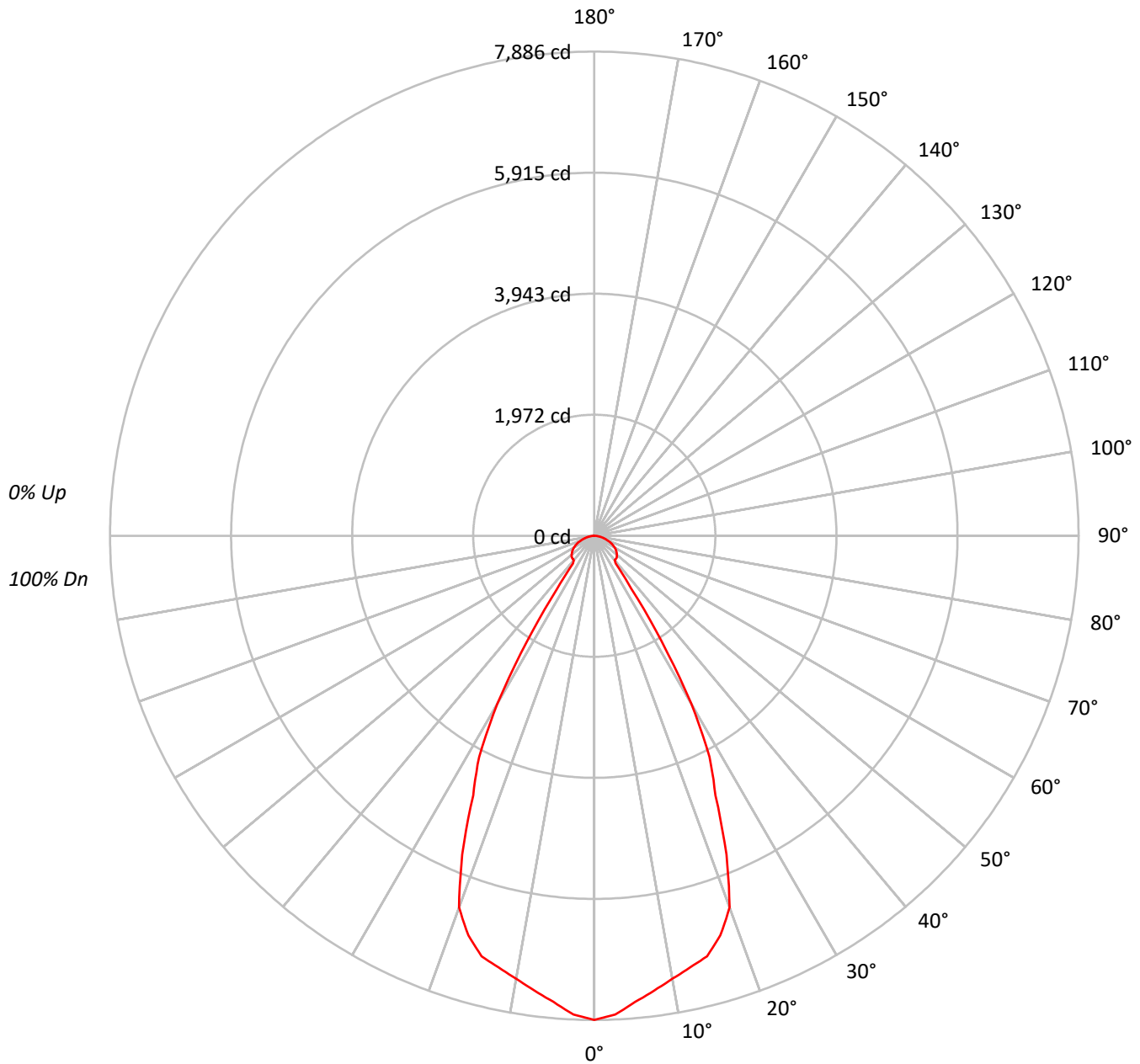


Downlight

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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				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	100	100			
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91	91	91	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83	83	83	83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76	76	76	76			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70	70	70	70			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65	65	65	65			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61	61	61	61			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57	57	57	57			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53	53	53	53			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50	50	50	50			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48	48	48	48			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	861630
5°	836021
10°	812726
15°	802065
20°	748960
25°	562659
30°	397743
35°	140892
40°	74082
45°	78912
50°	81709
55°	83244
60°	83759
65°	81981
70°	77373
75°	71681
80°	63613
85°	51649

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 83781 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	719.0	10.3
10°-20°	1972.1	28.1
20°-30°	2172.0	31.0
30°-40°	829.9	11.8
40°-50°	391.8	5.6
50°-60°	389.6	5.6
60°-70°	311.9	4.4
70°-80°	179.3	2.6
80°-90°	48.7	0.7
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°	4863.1	69.3
0°-40°	5692.9	81.2
0°-60°	6474.3	92.3
0°-90°	7014.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7014.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7886	
5°	7622	719
15°	7091	1972
25°	4667	2172
35°	1056	830
45°	511	392
55°	437	390
65°	317	312
75°	170	179
85°	41	49
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7886.0
2.5°	7803.6
5°	7622.5
7.5°	7471.5
10°	7325.4
12.5°	7201.8
15°	7090.7
17.5°	6822.2
20°	6441.4
22.5°	5619.8
25°	4667.2
27.5°	4062.9
30°	3152.6
32.5°	2036.4
35°	1056.3
37.5°	570.6
40°	519.4
42.5°	515.7
45°	510.7
47.5°	499.4
50°	480.7
52.5°	459.5
55°	437.0
57.5°	412.0
60°	383.3
62.5°	350.8
65°	317.1
67.5°	279.7
70°	242.2
72.5°	204.8
75°	169.8
77.5°	133.6
80°	101.1
82.5°	71.2
85°	41.2
87.5°	16.2
90°	0.0



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— 0°-180°







(END OF REPORT)