

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: P756659

Luminaire Tested: LD4D95BD010-EU4DR6570959024-4LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P756659
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-EU4DR6570959024-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6958.0 lumens
Efficiency: N/A
Efficacy: 70.1 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 (A_{in}): 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

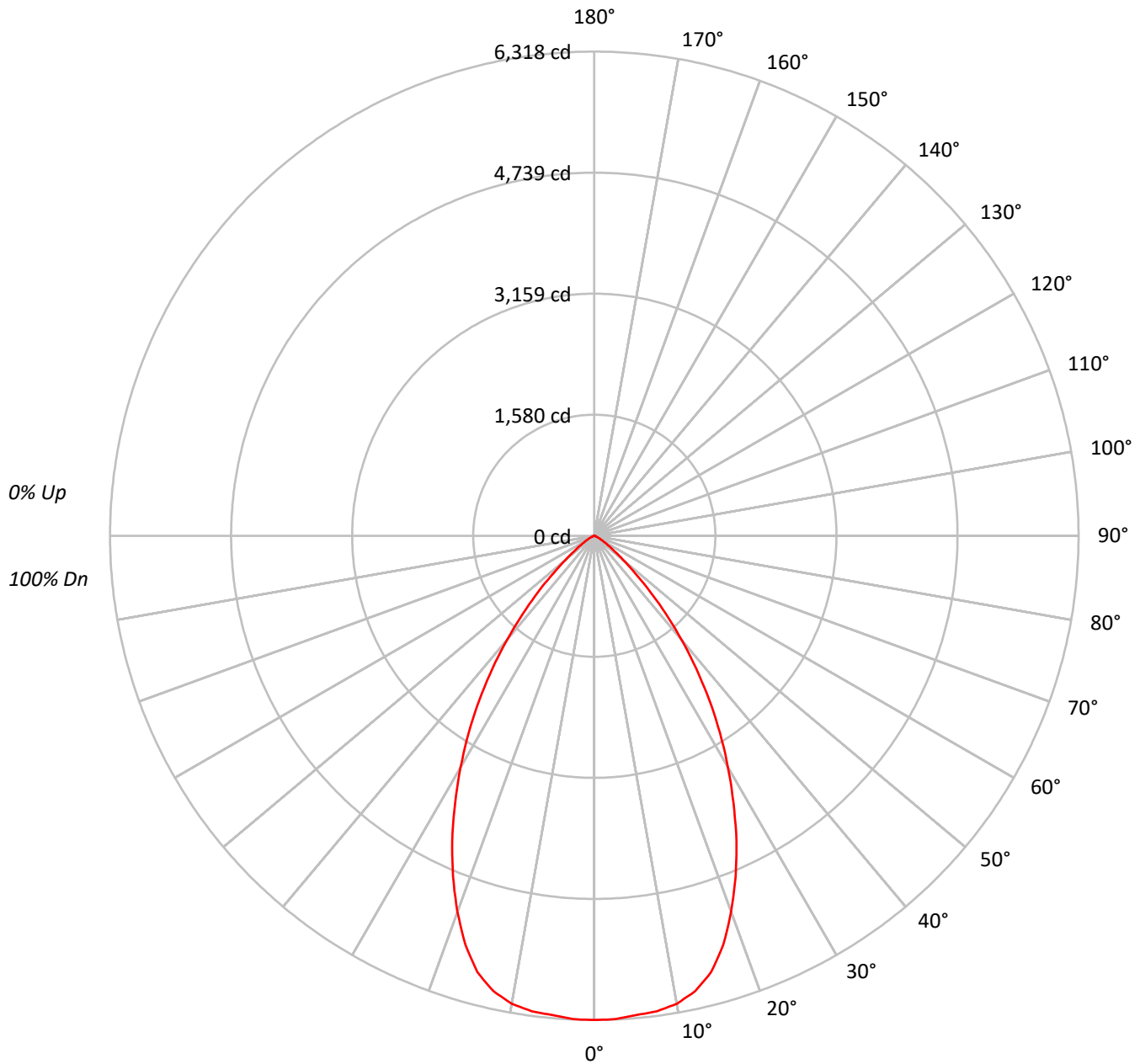


Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	368978
5°	368048
10°	367732
15°	356394
20°	324453
25°	282744
30°	235160
35°	186330
40°	134481
45°	84966
50°	44285
55°	23542
60°	12358
65°	6799
70°	2852
75°	3137
80°	2186
85°	1876

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 84966 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	597.5	8.6
10°-20°	1636.0	23.5
20°-30°	1999.8	28.7
30°-40°	1622.6	23.3
40°-50°	808.6	11.6
50°-60°	225.5	3.2
60°-70°	51.2	0.7
70°-80°	13.3	0.2
80°-90°	3.4	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°	4233.3	60.8
0°-40°	5855.9	84.2
0°-60°	6890.0	99.0
0°-90°	6958.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6958.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6318	
5°	6278	597
15°	5894	1636
25°	4388	2000
35°	2613	1623
45°	1029	809
55°	231	226
65°	49	51
75°	14	13
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6317.7
2.5°	6313.0
5°	6277.8
7.5°	6257.3
10°	6200.7
12.5°	6085.6
15°	5894.3
17.5°	5595.4
20°	5220.3
22.5°	4815.5
25°	4387.6
27.5°	3929.9
30°	3487.0
32.5°	3049.8
35°	2613.4
37.5°	2178.0
40°	1763.9
42.5°	1375.9
45°	1028.7
47.5°	716.7
50°	487.4
52.5°	336.1
55°	231.2
57.5°	156.0
60°	105.8
62.5°	73.3
65°	49.2
67.5°	25.1
70°	16.7
72.5°	15.8
75°	13.9
77.5°	9.3
80°	6.5
82.5°	4.6
85°	2.8
87.5°	1.9
90°	0.0



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— 0°-180°







(END OF REPORT)