

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: P756698

Luminaire Tested: LD4D95BD010-EU4DR6570959035-4LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P756698
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-EU4DR6570959035-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8205.6 lumens
Efficiency: N/A
Efficacy: 82.7 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

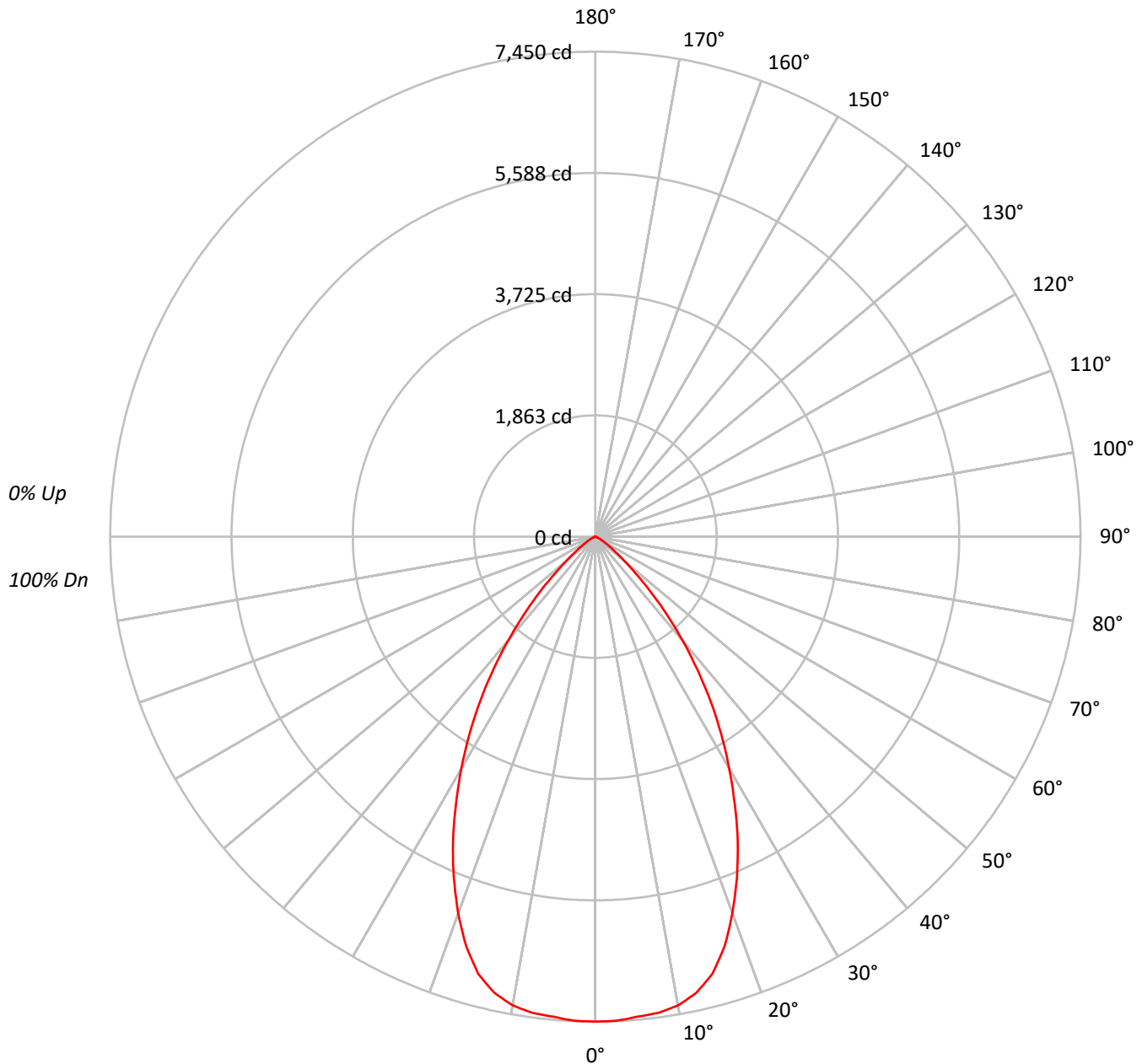


Downlight

TEST NUMBER: P756698

CATALOG NUMBER: LD4D95BD010-EU4DR6570959035-4LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P756698

CATALOG NUMBER: LD4D95BD010-EU4DR6570959035-4LBS1H

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°	435138
5°	434039
10°	433667
15°	420298
20°	382633
25°	333440
30°	277329
35°	219740
40°	158596
45°	100197
50°	52226
55°	27757
60°	14578
65°	8015
70°	3364
75°	3701
80°	2590
85°	2211

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 100197 cd/sqm



TEST NUMBER: P756698

CATALOG NUMBER: LD4D95BD010-EU4DR6570959035-4LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	704.6	8.6
10°-20°	1929.4	23.5
20°-30°	2358.4	28.7
30°-40°	1913.5	23.3
40°-50°	953.5	11.6
50°-60°	265.9	3.2
60°-70°	60.4	0.7
70°-80°	15.7	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°	4992.4	60.8
0°-40°	6905.9	84.2
0°-60°	8125.4	99.0
0°-90°	8205.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8205.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7450	
5°	7403	705
15°	6951	1929
25°	5174	2358
35°	3082	1914
45°	1213	954
55°	273	266
65°	58	60
75°	16	16
85°	3	4
90°	0	



TEST NUMBER: P756698

CATALOG NUMBER: LD4D95BD010-EU4DR6570959035-4LBS1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	7450.5
2.5°	7445.0
5°	7403.4
7.5°	7379.3
10°	7312.5
12.5°	7176.8
15°	6951.2
17.5°	6598.7
20°	6156.4
22.5°	5679.0
25°	5174.3
27.5°	4634.5
30°	4112.3
32.5°	3596.6
35°	3082.0
37.5°	2568.5
40°	2080.2
42.5°	1622.6
45°	1213.1
47.5°	845.2
50°	574.8
52.5°	396.3
55°	272.6
57.5°	183.9
60°	124.8
62.5°	86.5
65°	58.0
67.5°	29.6
70°	19.7
72.5°	18.6
75°	16.4
77.5°	10.9
80°	7.7
82.5°	5.5
85°	3.3
87.5°	2.2
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)