

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: P756694

Luminaire Tested: LD4D95BD010-EU4DR6570959035-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756694
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR6570959035-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF 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: 7795.3 lumens
Efficiency: N/A
Efficacy: 78.6 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
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

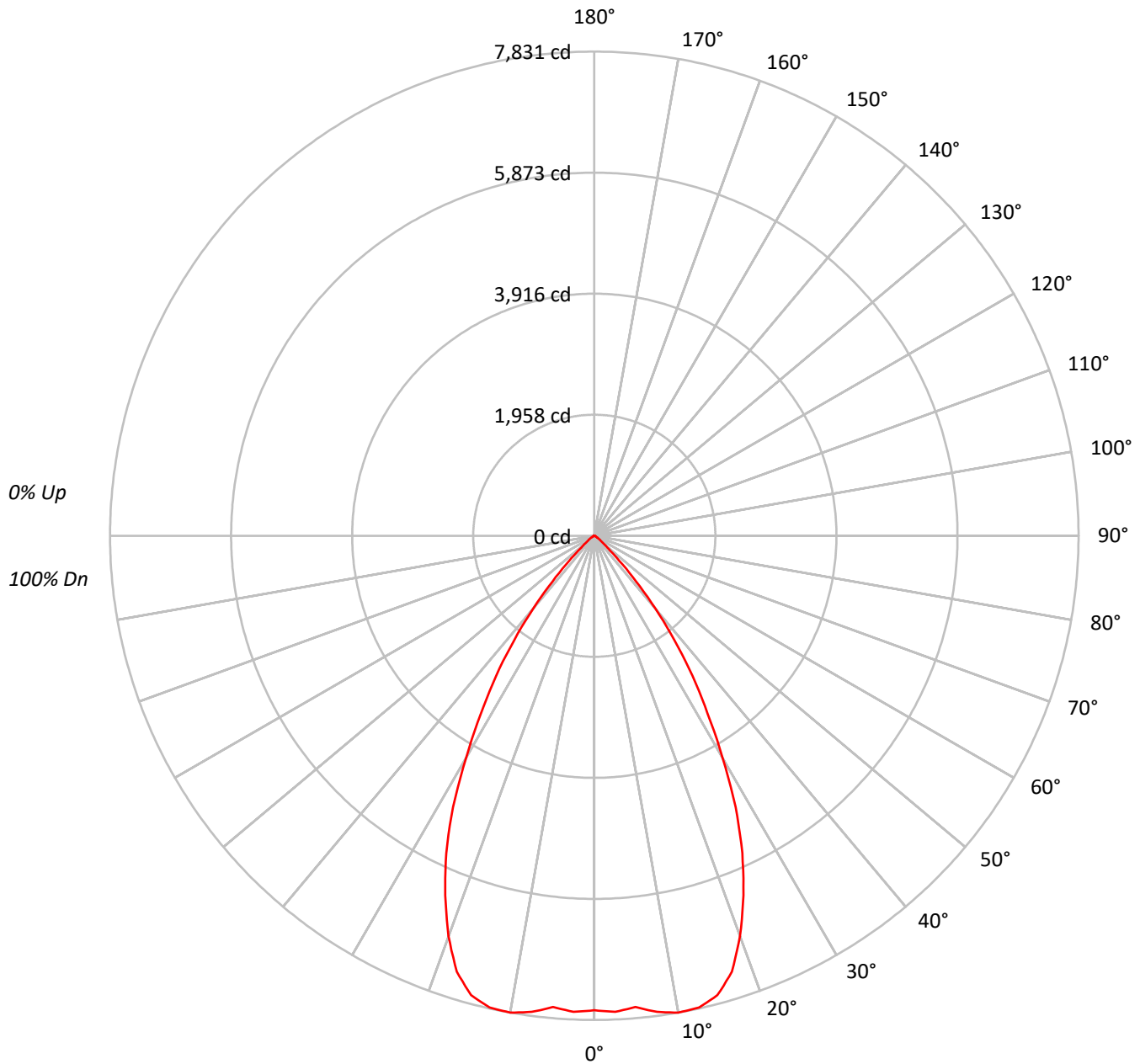


Downlight

TEST NUMBER: P756694

CATALOG NUMBER: LD4D95BD010-EU4DR6570959035-4LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P756694

CATALOG NUMBER: LD4D95BD010-EU4DR6570959035-4LBDP1H

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	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	89	84	79	95	88	83	79	86	82	78		84	80	77		82
5	92	83	78	73	90	83	77	73	81	76	72		79	75	72		77
6	87	78	72	68	86	77	72	68	76	71	67		74	70	67		73
7	83	73	67	63	81	73	67	63	71	66	62		70	66	62		69
8	79	69	63	59	77	68	63	59	67	62	58		66	62	58		65
9	75	65	59	55	74	65	59	55	64	58	55		63	58	55		62
10	71	61	56	52	70	61	55	52	60	55	51		59	55	51		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	838576
5°	839268
10°	868820
15°	870262
20°	801225
25°	682684
30°	522619
35°	369217
40°	217938
45°	88477
50°	32075
55°	17868
60°	10249
65°	5636
70°	5910
75°	4601
80°	4782
85°	4137

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 88477 cd/sqm



TEST NUMBER: P756694

CATALOG NUMBER: LD4D95BD010-EU4DR6570959035-4LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	739.0	9.5
10°-20°	2131.8	27.3
20°-30°	2557.8	32.8
30°-40°	1718.9	22.1
40°-50°	514.6	6.6
50°-60°	90.8	1.2
60°-70°	25.8	0.3
70°-80°	12.6	0.2
80°-90°	4.0	0.1
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°	5428.6	69.6
0°-40°	7147.5	91.7
0°-60°	7752.9	99.5
0°-90°	7795.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7795.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7675	
5°	7652	739
15°	7694	2132
25°	5663	2558
35°	2768	1719
45°	573	515
55°	94	91
65°	22	26
75°	11	13
85°	3	4
90°	0	



TEST NUMBER: P756694

CATALOG NUMBER: LD4D95BD010-EU4DR6570959035-4LBDP1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	7675.0
2.5°	7707.8
5°	7652.1
7.5°	7767.8
10°	7831.0
12.5°	7815.7
15°	7693.6
17.5°	7394.7
20°	6890.9
22.5°	6297.5
25°	5662.8
27.5°	4946.2
30°	4142.4
32.5°	3413.8
35°	2768.1
37.5°	2130.1
40°	1528.0
42.5°	998.0
45°	572.6
47.5°	303.2
50°	188.7
52.5°	130.9
55°	93.8
57.5°	67.6
60°	46.9
62.5°	30.5
65°	21.8
67.5°	19.6
70°	18.5
72.5°	14.2
75°	10.9
77.5°	9.8
80°	7.6
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)