

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: P756695

Luminaire Tested: LD4D95BD010-EU4DR6570959035-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756695
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-EU4DR6570959035-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF 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: 8185.1 lumens
Efficiency: N/A
Efficacy: 82.5 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 (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

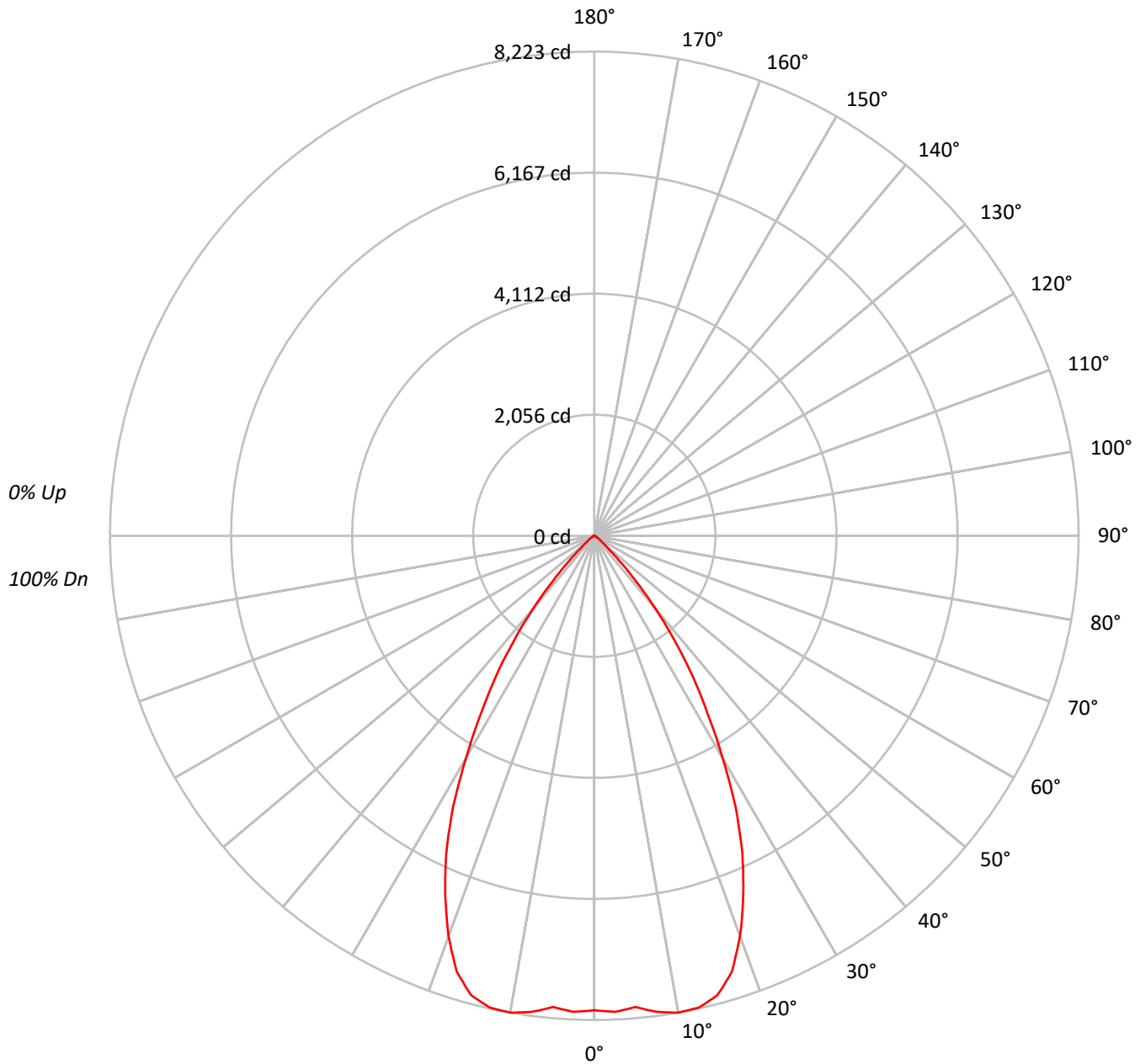


Downlight

TEST NUMBER: P756695

CATALOG NUMBER: LD4D95BD010-EU4DR6570959035-4LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P756695

CATALOG NUMBER: LD4D95BD010-EU4DR6570959035-4LBDP1LI

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°	880511
5°	881242
10°	912267
15°	913777
20°	841281
25°	716813
30°	548748
35°	387677
40°	228835
45°	92896
50°	33673
55°	18763
60°	10751
65°	5920
70°	6229
75°	4855
80°	5034
85°	4262

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 92896 cd/sqm



TEST NUMBER: P756695

CATALOG NUMBER: LD4D95BD010-EU4DR6570959035-4LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	776.0	9.5
10°-20°	2238.4	27.3
20°-30°	2685.6	32.8
30°-40°	1804.8	22.1
40°-50°	540.3	6.6
50°-60°	95.3	1.2
60°-70°	27.1	0.3
70°-80°	13.3	0.2
80°-90°	4.2	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°	5700.0	69.6
0°-40°	7504.9	91.7
0°-60°	8140.5	99.5
0°-90°	8185.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8185.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8059	
5°	8035	776
15°	8078	2238
25°	5946	2686
35°	2906	1805
45°	601	540
55°	98	95
65°	23	27
75°	12	13
85°	3	4
90°	0	



TEST NUMBER: P756695

CATALOG NUMBER: LD4D95BD010-EU4DR6570959035-4LBDP1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	8058.8
2.5°	8093.2
5°	8034.8
7.5°	8156.1
10°	8222.6
12.5°	8206.5
15°	8078.3
17.5°	7764.5
20°	7235.4
22.5°	6612.4
25°	5945.9
27.5°	5193.5
30°	4349.5
32.5°	3584.5
35°	2906.5
37.5°	2236.6
40°	1604.4
42.5°	1047.9
45°	601.2
47.5°	318.4
50°	198.1
52.5°	137.4
55°	98.5
57.5°	71.0
60°	49.2
62.5°	32.1
65°	22.9
67.5°	20.6
70°	19.5
72.5°	14.9
75°	11.5
77.5°	10.3
80°	8.0
82.5°	5.7
85°	3.4
87.5°	2.3
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180°







(END OF REPORT)