

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: P756409

Luminaire Tested: LD4D95BD010-EU4DR4570959050-4LBDP1LI

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P756409
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR4570959050-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10086.0 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
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

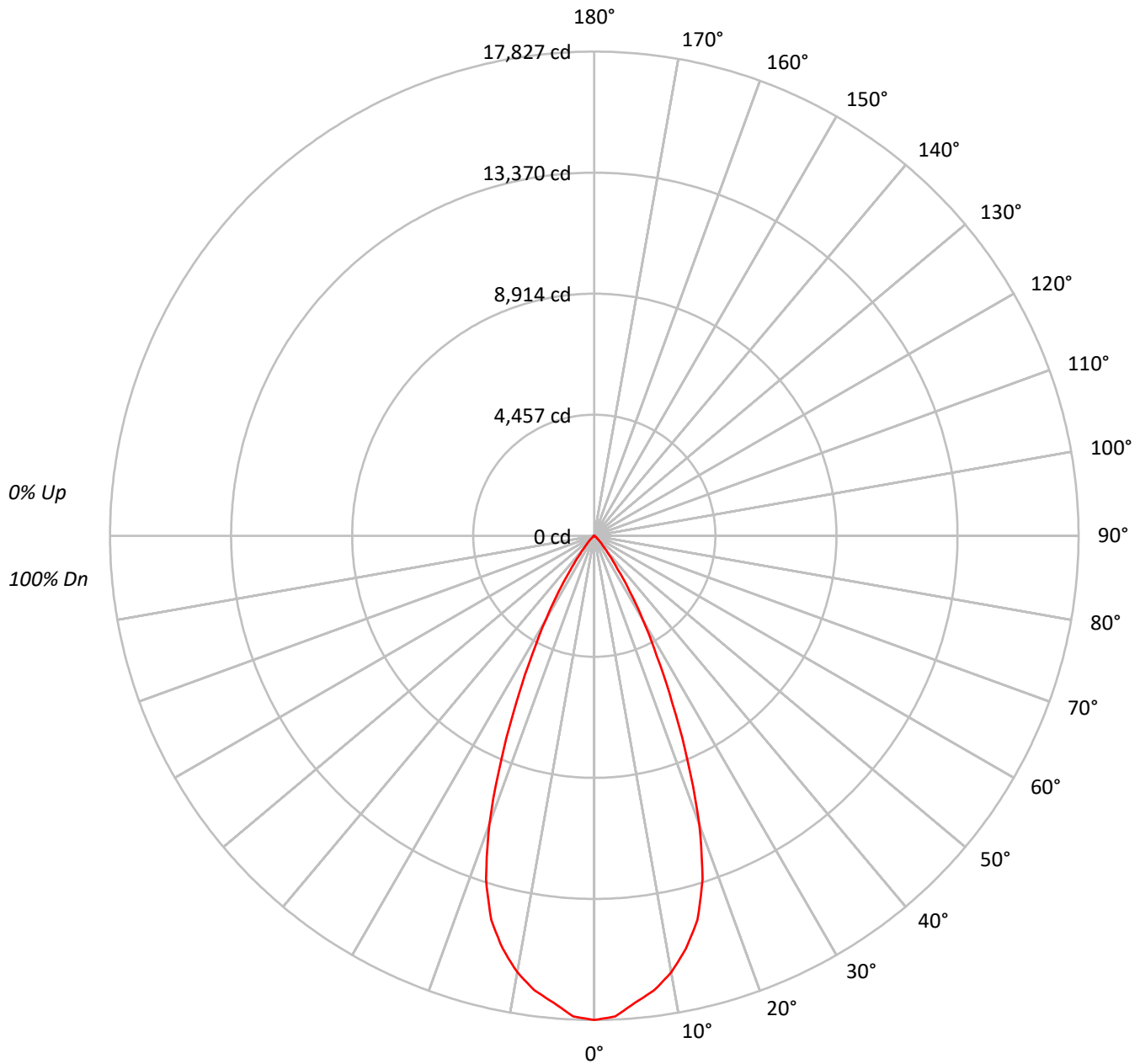


Downlight

TEST NUMBER: P756409

CATALOG NUMBER: LD4D95BD010-EU4DR4570959050-4LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P756409

CATALOG NUMBER: LD4D95BD010-EU4DR4570959050-4LBDP1LI

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	114	112	110	108		112	110	108	106		106	104	103			102	101	100			98
2	109	105	102	99		107	103	100	98		100	98	95			97	95	93			95
3	105	99	95	91		103	98	94	91		95	92	89			93	90	88			91
4	100	94	89	85		99	93	88	85		91	87	84			89	86	83			87
5	96	89	84	80		95	88	83	80		86	82	79			85	81	79			83
6	92	85	80	76		91	84	79	76		83	78	75			81	77	75			80
7	89	81	75	72		87	80	75	72		79	74	71			78	74	71			77
8	85	77	72	68		84	76	71	68		75	71	68			74	70	67			73
9	82	73	68	65		81	73	68	65		72	68	65			71	67	64			71
10	79	70	65	62		78	70	65	62		69	65	62			68	64	61			68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1947824
5°	1892364
10°	1810477
15°	1656966
20°	1314546
25°	820696
30°	452346
35°	203115
40°	80001
45°	37702
50°	17882
55°	9353
60°	4589
65°	1086
70°	447
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 37702 cd/sqm



TEST NUMBER: P756409

CATALOG NUMBER: LD4D95BD010-EU4DR4570959050-4LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1621.2	16.1
10°-20°	3989.9	39.6
20°-30°	3159.6	31.3
30°-40°	1052.2	10.4
40°-50°	208.8	2.1
50°-60°	47.4	0.5
60°-70°	6.8	0.1
70°-80°	0.2	0.0
80°-90°	0.0	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°	8770.6	87.0
0°-40°	9822.8	97.4
0°-60°	10079.0	99.9
0°-90°	10086.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10086.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17827	
5°	17254	###
15°	14648	3990
25°	6808	3160
35°	1523	1052
45°	244	209
55°	49	47
65°	4	7
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P756409

CATALOG NUMBER: LD4D95BD010-EU4DR4570959050-4LBDP1LI

CANDELA DISTRIBUTION (FULL):

	0°
0°	17827.3
2.5°	17710.9
5°	17253.8
7.5°	16876.6
10°	16318.5
12.5°	15575.4
15°	14648.5
17.5°	13254.8
20°	11305.7
22.5°	8983.7
25°	6807.6
27.5°	4984.7
30°	3585.4
32.5°	2438.4
35°	1522.8
37.5°	903.0
40°	560.9
42.5°	368.8
45°	244.0
47.5°	157.0
50°	105.2
52.5°	70.1
55°	49.1
57.5°	32.3
60°	21.0
62.5°	11.2
65°	4.2
67.5°	1.4
70°	1.4
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)