

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: P756399

Luminaire Tested: LD4D95BD010-EU4DR4570959040-4LBS1H

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P756399
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-EU4DR4570959040-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10039.6 lumens
Efficiency: N/A
Efficacy: 101.2 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

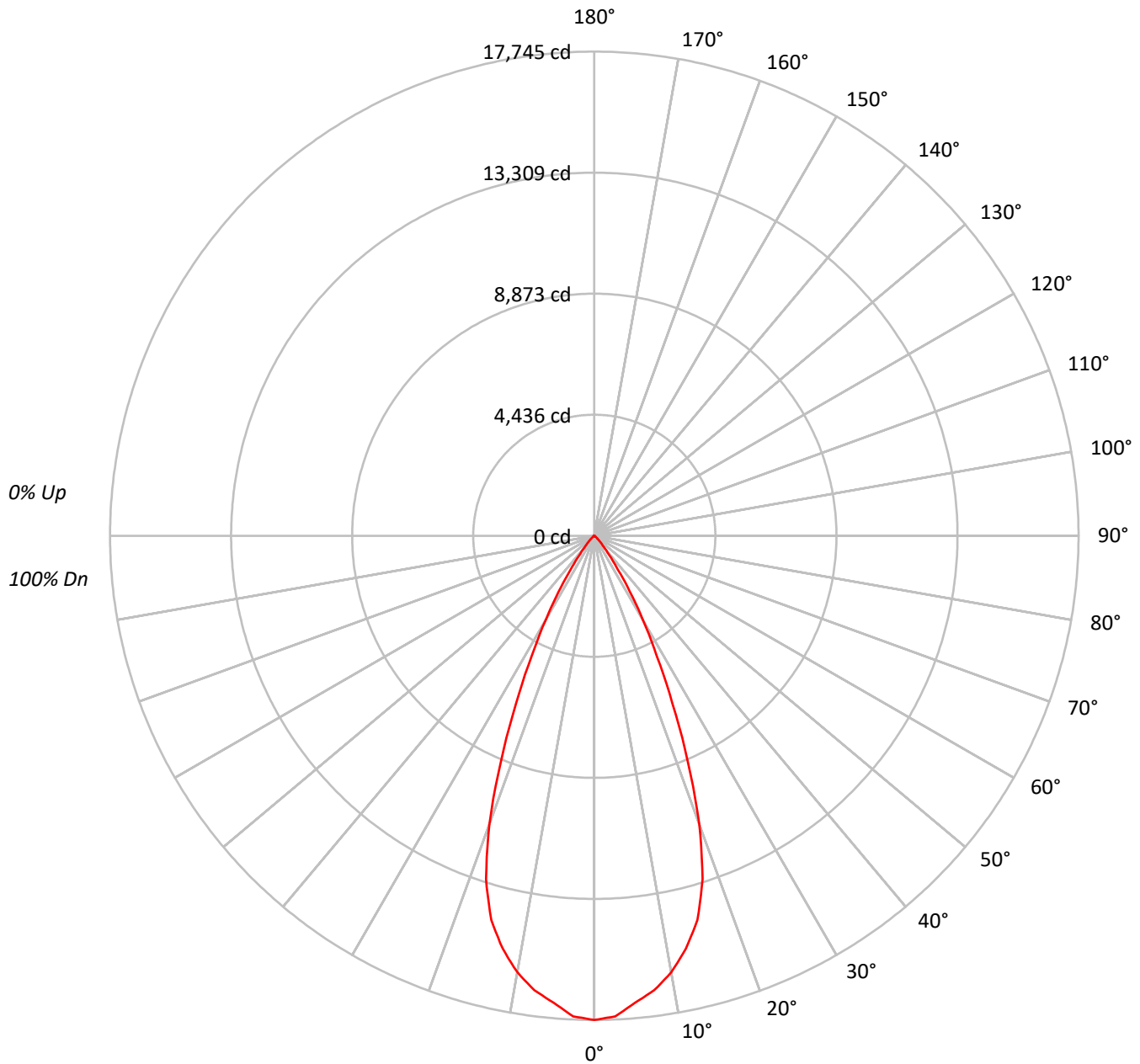


Downlight

TEST NUMBER: P756399

CATALOG NUMBER: LD4D95BD010-EU4DR4570959040-4LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P756399

CATALOG NUMBER: LD4D95BD010-EU4DR4570959040-4LBS1H

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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	112	110	108		112	110	108	106		106	104	103		102	101	100		98	98	97
2	109	105	102	99		107	103	100	98		100	98	95		97	95	93		95	93	91
3	105	99	95	91		103	98	94	91		95	92	89		93	90	88		91	89	87
4	100	94	89	85		99	93	88	85		91	87	84		89	86	83		87	84	82
5	96	89	84	80		95	88	83	80		86	82	79		85	81	79		83	80	78
6	92	85	80	76		91	84	79	76		83	78	75		81	77	75		80	77	74
7	89	81	75	72		87	80	75	72		79	74	71		78	74	71		77	73	71
8	85	77	72	68		84	76	71	68		75	71	68		74	70	67		73	70	67
9	82	73	68	65		81	73	68	65		72	68	65		71	67	64		71	67	64
10	79	70	65	62		78	70	65	62		69	65	62		68	64	61		68	64	61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1938854
5°	1883645
10°	1802145
15°	1649342
20°	1308500
25°	816911
30°	450265
35°	202182
40°	79630
45°	37532
50°	17797
55°	9315
60°	4567
65°	1086
70°	447
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 37532 cd/sqm



TEST NUMBER: P756399

CATALOG NUMBER: LD4D95BD010-EU4DR4570959040-4LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1613.7	16.1
10°-20°	3971.5	39.6
20°-30°	3145.0	31.3
30°-40°	1047.3	10.4
40°-50°	207.9	2.1
50°-60°	47.2	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°	8730.2	87.0
0°-40°	9777.5	97.4
0°-60°	10032.6	99.9
0°-90°	10039.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10039.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17745	
5°	17174	###
15°	14581	3971
25°	6776	3145
35°	1516	1047
45°	243	208
55°	49	47
65°	4	7
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P756399

CATALOG NUMBER: LD4D95BD010-EU4DR4570959040-4LBS1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	17745.2
2.5°	17629.3
5°	17174.3
7.5°	16798.9
10°	16243.4
12.5°	15503.7
15°	14581.1
17.5°	13193.7
20°	11253.7
22.5°	8942.4
25°	6776.2
27.5°	4961.8
30°	3568.9
32.5°	2427.2
35°	1515.8
37.5°	898.8
40°	558.3
42.5°	367.1
45°	242.9
47.5°	156.3
50°	104.7
52.5°	69.8
55°	48.9
57.5°	32.1
60°	20.9
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)