

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: P756030

Luminaire Tested: LD4D95BD010-EU4DR2570959024-4LBDP1B

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P756030
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR2570959024-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 25° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5311.4 lumens
Efficiency: N/A
Efficacy: 53.5 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.45
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

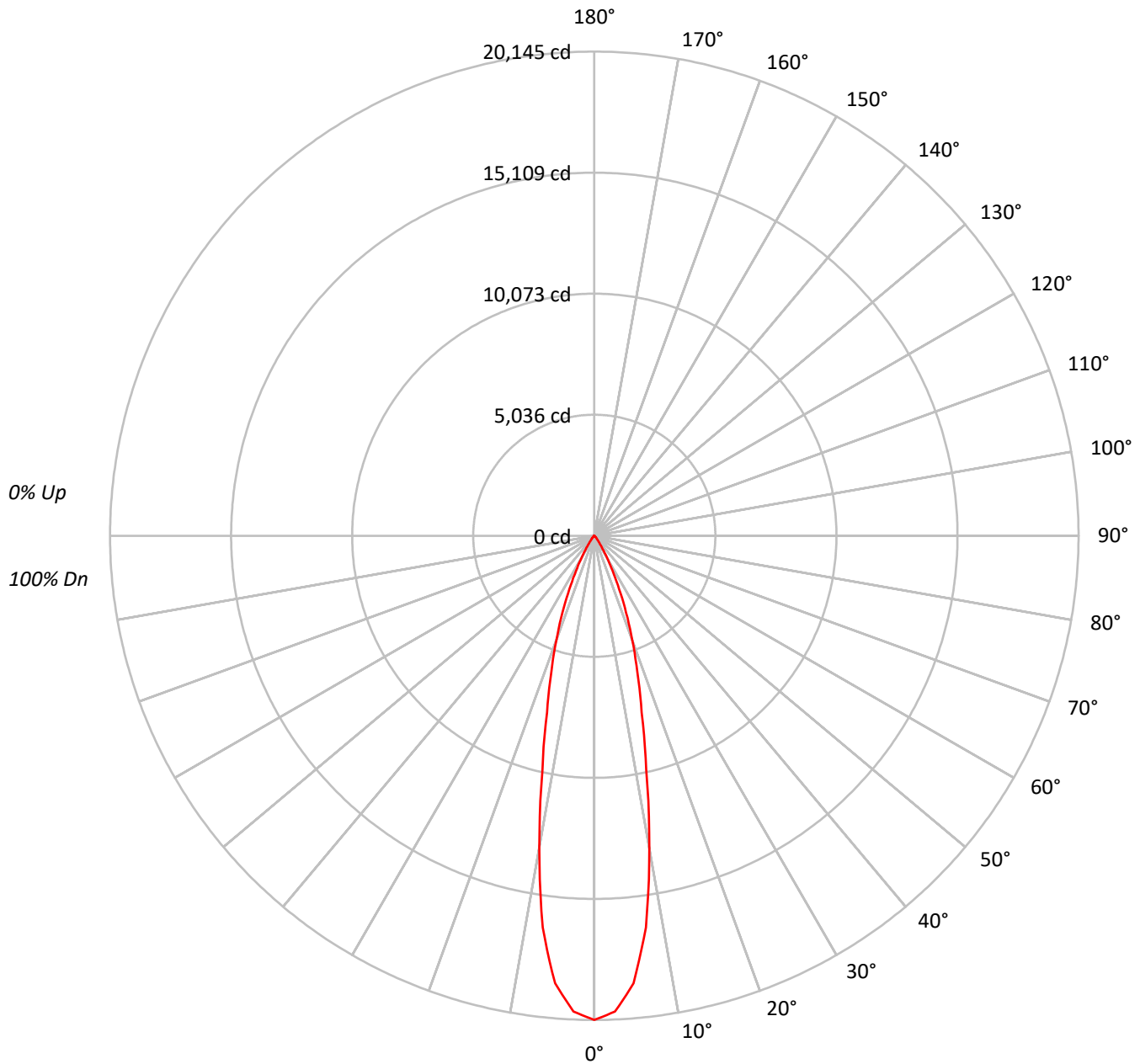


Downlight

TEST NUMBER: P756030

CATALOG NUMBER: LD4D95BD010-EU4DR2570959024-4LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P756030

CATALOG NUMBER: LD4D95BD010-EU4DR2570959024-4LBDP1B

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	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		97
3	107	102	98	95	105	101	97	94	98	95	93		96	93	91		94
4	103	97	93	90	102	96	93	90	94	91	89		93	90	88		91
5	100	93	89	86	98	93	89	86	91	87	85		89	86	84		88
6	97	90	85	82	95	89	85	82	88	84	81		87	83	81		85
7	93	87	82	79	92	86	82	79	85	81	78		84	80	78		83
8	91	84	79	76	90	83	79	76	82	78	76		81	78	75		80
9	88	81	76	73	87	80	76	73	80	76	73		79	75	73		78
10	85	78	74	71	85	78	74	71	77	73	71		76	73	71		76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2201036
5°	2049983
10°	1462316
15°	861247
20°	535878
25°	294096
30°	134490
35°	50939
40°	23063
45°	13876
50°	5762
55°	3715
60°	2600
65°	1758
70°	256
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13876 cd/sqm



TEST NUMBER: P756030

CATALOG NUMBER: LD4D95BD010-EU4DR2570959024-4LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1606.3	30.2
10°-20°	2175.7	41.0
20°-30°	1151.3	21.7
30°-40°	284.2	5.4
40°-50°	69.3	1.3
50°-60°	18.3	0.3
60°-70°	6.1	0.1
70°-80°	0.1	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°	4933.3	92.9
0°-40°	5217.5	98.2
0°-60°	5305.1	99.9
0°-90°	5311.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5311.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20145	
5°	18691	###
15°	7614	2176
25°	2440	1151
35°	382	284
45°	90	69
55°	20	18
65°	7	6
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P756030

CATALOG NUMBER: LD4D95BD010-EU4DR2570959024-4LBDP1B

CANDELA DISTRIBUTION (FULL):

0°	
0°	20144.8
2.5°	19813.7
5°	18690.9
7.5°	16435.2
10°	13180.4
12.5°	9963.6
15°	7613.9
17.5°	5934.0
20°	4608.8
22.5°	3456.4
25°	2439.5
27.5°	1635.9
30°	1066.0
32.5°	648.6
35°	381.9
37.5°	233.7
40°	161.7
42.5°	123.6
45°	89.8
47.5°	54.2
50°	33.9
52.5°	24.6
55°	19.5
57.5°	15.2
60°	11.9
62.5°	9.3
65°	6.8
67.5°	2.5
70°	0.8
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)