

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: P756577

Luminaire Tested: LD4D95BD010-EU4DR6070959024-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756577
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR6070959024-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7565.0 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
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

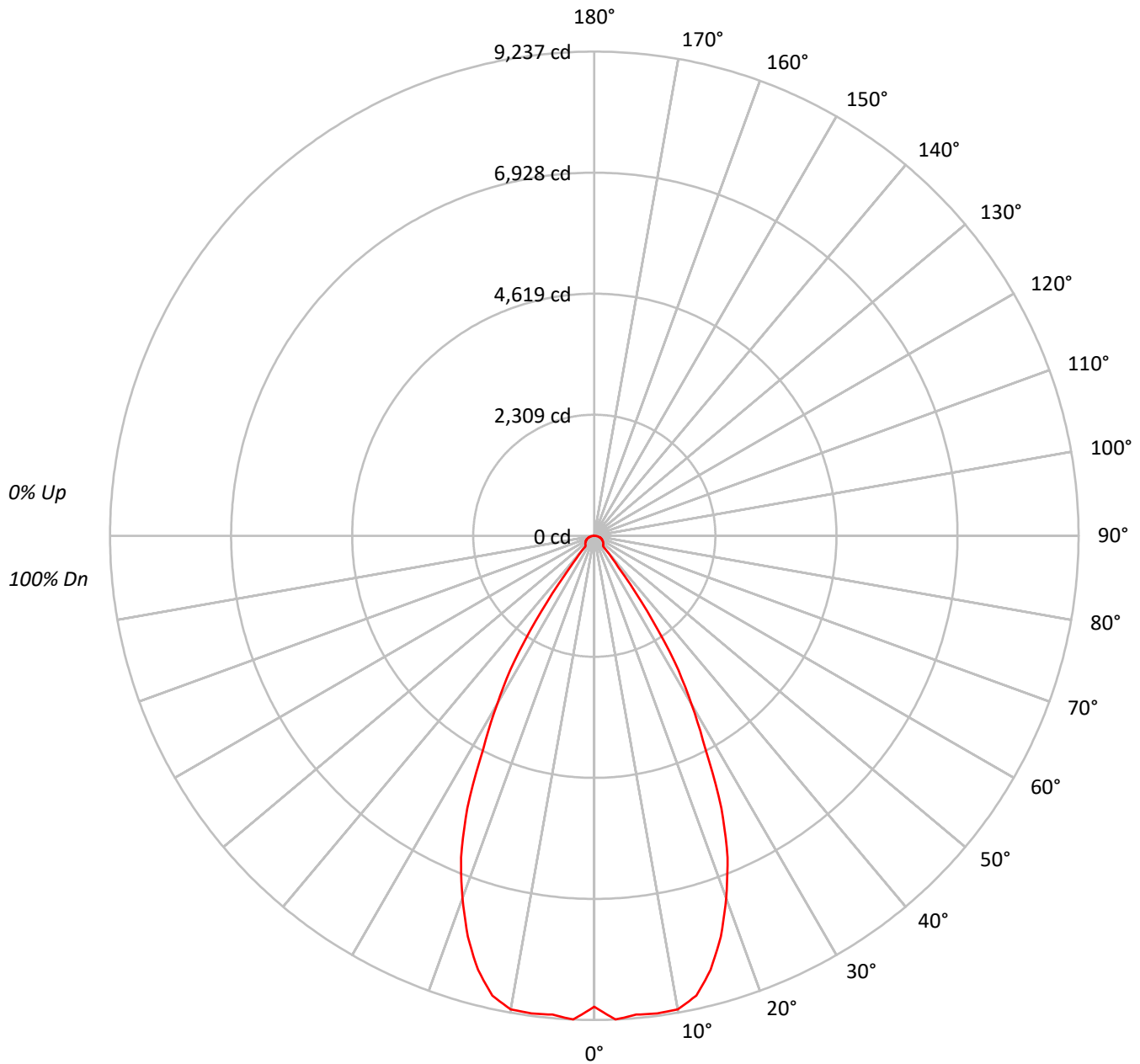


Downlight

TEST NUMBER: P756577

CATALOG NUMBER: LD4D95BD010-EU4DR6070959024-4LBDP1H

Luminous Intensity Polar Plot





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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	113	110	108	105		111	108	106	104		104	102	100		100	99	97		97	96	95
2	107	102	98	95		105	101	97	94		97	94	92		94	92	90		92	90	88
3	102	96	90	86		100	94	89	86		91	88	84		89	86	83		87	84	82
4	97	89	84	80		95	88	83	79		86	82	78		84	80	77		82	79	76
5	92	84	78	74		91	83	78	74		81	77	73		80	76	72		78	75	72
6	88	79	73	69		87	78	73	69		77	72	68		75	71	68		74	70	67
7	84	75	69	65		83	74	68	64		73	68	64		72	67	64		71	67	63
8	80	71	65	61		79	70	65	61		69	64	60		68	64	60		67	63	60
9	77	67	61	57		75	67	61	57		66	61	57		65	60	57		64	60	57
10	73	64	58	54		72	63	58	54		62	58	54		62	57	54		61	57	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	981642
5°	1005781
10°	1017932
15°	969724
20°	854989
25°	691545
30°	467776
35°	234407
40°	38025
45°	37223
50°	37956
55°	38536
60°	39596
65°	40512
70°	41466
75°	41962
80°	40458
85°	33723

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 41962 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	876.5	11.6
10°-20°	2371.3	31.3
20°-30°	2551.3	33.7
30°-40°	1109.0	14.7
40°-50°	186.3	2.5
50°-60°	181.1	2.4
60°-70°	154.9	2.0
70°-80°	103.6	1.4
80°-90°	31.0	0.4
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°	5799.1	76.7
0°-40°	6908.1	91.3
0°-60°	7275.5	96.2
0°-90°	7565.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7565.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8984	
5°	9170	876
15°	8573	2371
25°	5736	2551
35°	1757	1109
45°	241	186
55°	202	181
65°	157	155
75°	99	104
85°	27	31
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8984.4
2.5°	9237.0
5°	9170.3
7.5°	9191.4
10°	9175.0
12.5°	8985.6
15°	8572.9
17.5°	8018.6
20°	7353.3
22.5°	6641.3
25°	5736.3
27.5°	4588.1
30°	3707.7
32.5°	2857.6
35°	1757.4
37.5°	751.8
40°	266.6
42.5°	245.5
45°	240.9
47.5°	232.7
50°	223.3
52.5°	212.8
55°	202.3
57.5°	191.8
60°	181.2
62.5°	169.5
65°	156.7
67.5°	143.8
70°	129.8
72.5°	114.6
75°	99.4
77.5°	81.8
80°	64.3
82.5°	45.6
85°	26.9
87.5°	9.4
90°	0.0



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— 0°-180°







(END OF REPORT)