

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: P756746

Luminaire Tested: LD4D95BD010-EU4DR7070959027-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756746
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR7070959027-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8625.7 lumens
Efficiency: N/A
Efficacy: 87.0 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
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

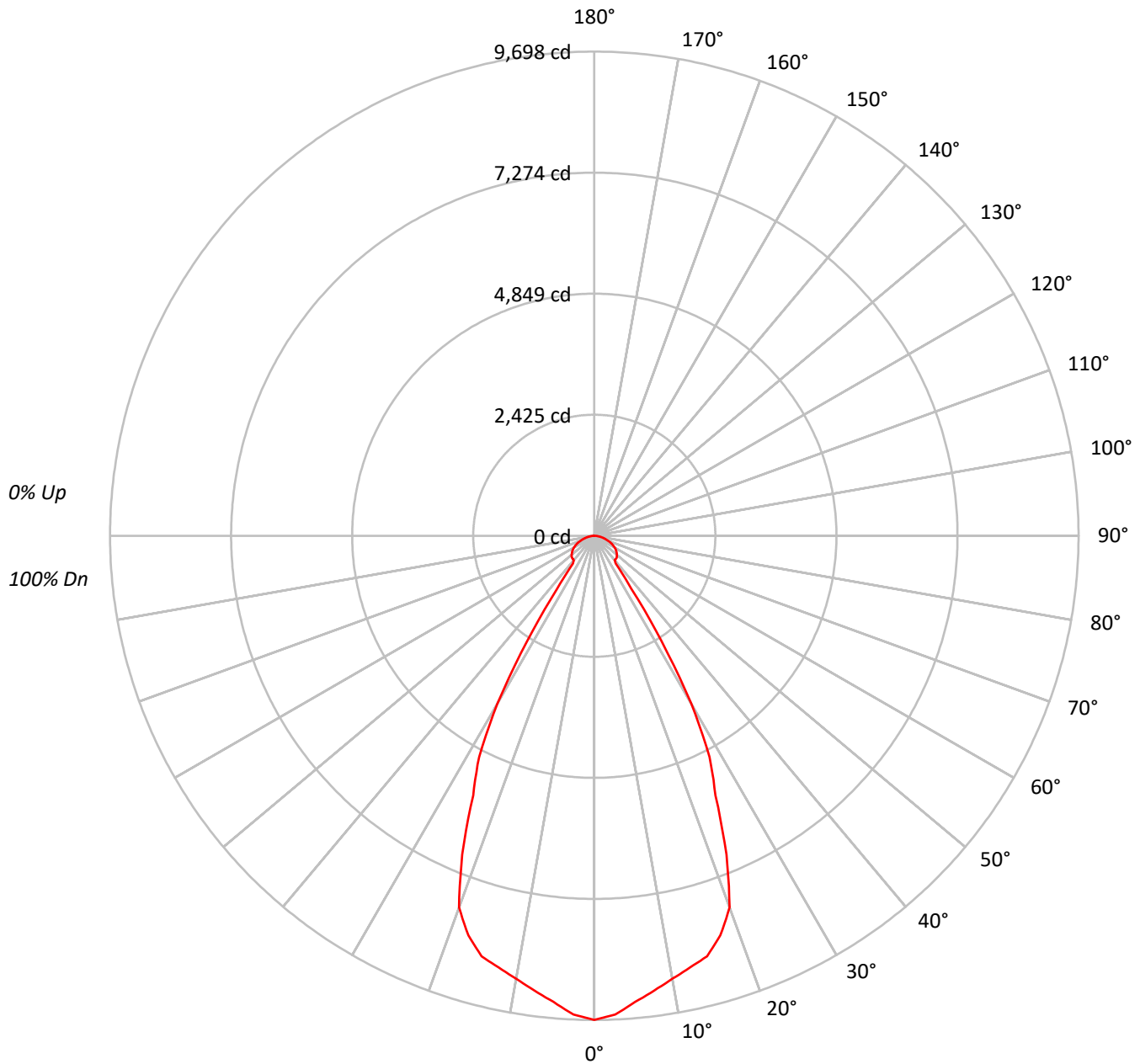


Downlight

TEST NUMBER: P756746

CATALOG NUMBER: LD4D95BD010-EU4DR7070959027-4LBDP1H

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	103	110	107	104	102	103	101	99		99	97	96		95
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83
4	94	86	80	75	92	85	79	74	82	77	73		80	76	73		78
5	89	80	74	69	87	79	73	69	77	72	68		75	71	67		74
6	85	75	68	64	83	74	68	64	73	67	63		71	66	63		70
7	80	70	64	59	79	70	64	59	68	63	59		67	62	59		66
8	77	66	60	56	75	66	60	56	65	59	55		64	59	55		63
9	73	63	57	52	72	62	56	52	61	56	52		60	55	52		60
10	70	59	53	49	69	59	53	49	58	53	49		57	52	49		57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1059589
5°	1028101
10°	999448
15°	986329
20°	921032
25°	691919
30°	489136
35°	173264
40°	91098
45°	97037
50°	100475
55°	102369
60°	103011
65°	100828
70°	95166
75°	88145
80°	78273
85°	63559

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 103038 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	884.1	10.3
10°-20°	2425.2	28.1
20°-30°	2671.0	31.0
30°-40°	1020.5	11.8
40°-50°	481.9	5.6
50°-60°	479.0	5.6
60°-70°	383.6	4.4
70°-80°	220.4	2.6
80°-90°	59.9	0.7
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°	5980.4	69.3
0°-40°	7000.9	81.2
0°-60°	7961.8	92.3
0°-90°	8625.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8625.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9698	
5°	9374	884
15°	8720	2425
25°	5739	2671
35°	1299	1021
45°	628	482
55°	537	479
65°	390	384
75°	209	220
85°	51	60
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9697.8
2.5°	9596.5
5°	9373.8
7.5°	9188.0
10°	9008.4
12.5°	8856.4
15°	8719.7
17.5°	8389.6
20°	7921.3
22.5°	6911.0
25°	5739.4
27.5°	4996.3
30°	3877.0
32.5°	2504.3
35°	1299.0
37.5°	701.7
40°	638.7
42.5°	634.1
45°	628.0
47.5°	614.2
50°	591.1
52.5°	565.0
55°	537.4
57.5°	506.7
60°	471.4
62.5°	431.5
65°	390.0
67.5°	343.9
70°	297.9
72.5°	251.8
75°	208.8
77.5°	164.3
80°	124.4
82.5°	87.5
85°	50.7
87.5°	20.0
90°	0.0



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— 0°-180°







(END OF REPORT)