

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: P756773

Luminaire Tested: LD4D95BD010-EU4DR7070959035-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756773
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-EU4DR7070959035-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9429.0 lumens
Efficiency: N/A
Efficacy: 95.1 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

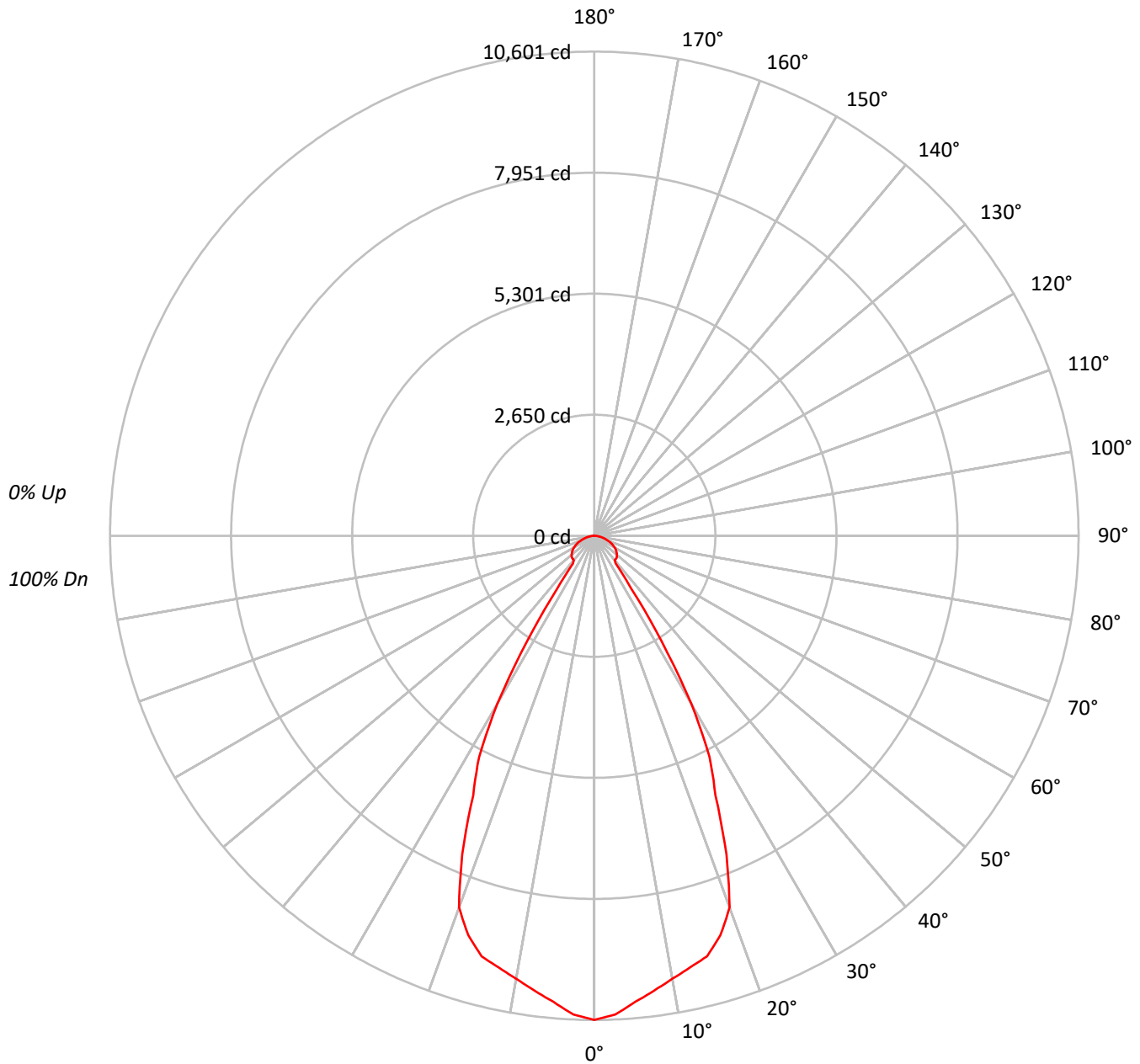


Downlight

TEST NUMBER: P756773

CATALOG NUMBER: LD4D95BD010-EU4DR7070959035-4LBDP1LI

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°	1158262
5°	1123850
10°	1092521
15°	1078179
20°	1006807
25°	756356
30°	534681
35°	189390
40°	99584
45°	106077
50°	109841
55°	111894
60°	112604
65°	110213
70°	104015
75°	96377
80°	85572
85°	69451

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 112636 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	966.5	10.3
10°-20°	2651.0	28.1
20°-30°	2919.8	31.0
30°-40°	1115.5	11.8
40°-50°	526.8	5.6
50°-60°	523.7	5.6
60°-70°	419.3	4.4
70°-80°	241.0	2.6
80°-90°	65.5	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°	6537.3	69.3
0°-40°	7652.8	81.2
0°-60°	8703.2	92.3
0°-90°	9429.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9429.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10601	
5°	10247	966
15°	9532	2651
25°	6274	2920
35°	1420	1116
45°	686	527
55°	587	524
65°	426	419
75°	228	241
85°	55	66
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	10600.9
2.5°	10490.1
5°	10246.8
7.5°	10043.7
10°	9847.3
12.5°	9681.1
15°	9531.7
17.5°	9170.9
20°	8659.0
22.5°	7554.6
25°	6273.9
27.5°	5461.6
30°	4238.0
32.5°	2737.5
35°	1419.9
37.5°	767.0
40°	698.2
42.5°	693.2
45°	686.5
47.5°	671.4
50°	646.2
52.5°	617.7
55°	587.4
57.5°	553.9
60°	515.3
62.5°	471.6
65°	426.3
67.5°	376.0
70°	325.6
72.5°	275.3
75°	228.3
77.5°	179.6
80°	136.0
82.5°	95.7
85°	55.4
87.5°	21.8
90°	0.0



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— 0°-180°







(END OF REPORT)