

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: P756759

Luminaire Tested: LD4D95BD010-EU4DR7070959030-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756759
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-EU4DR7070959030-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8886.4 lumens
Efficiency: N/A
Efficacy: 89.6 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

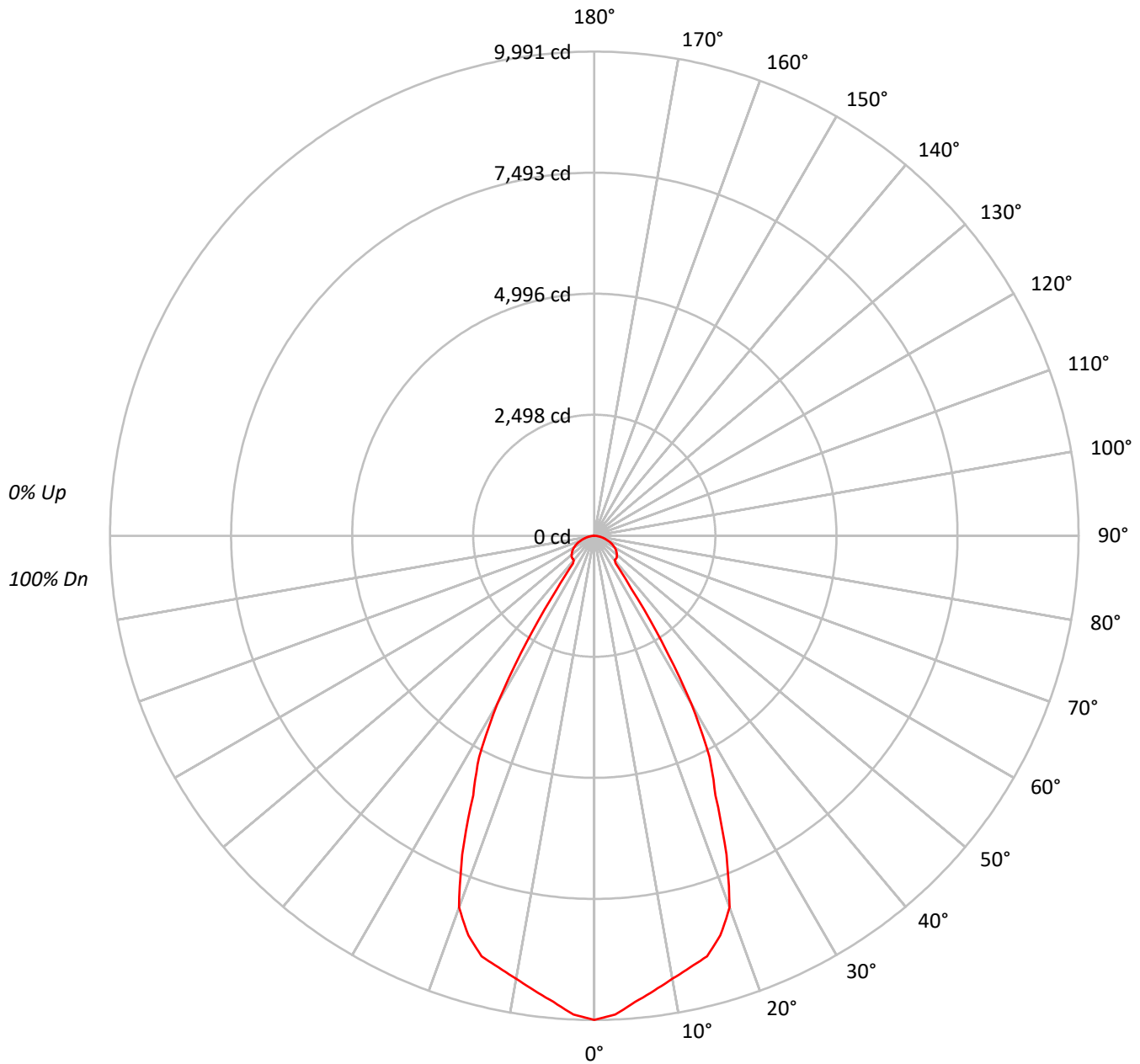


Downlight

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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°	1091613
5°	1059173
10°	1029648
15°	1016135
20°	948868
25°	712835
30°	503909
35°	178493
40°	93850
45°	99973
50°	103518
55°	105455
60°	106114
65°	103879
70°	98041
75°	90805
80°	80601
85°	65439

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 106150 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	910.9	10.3
10°-20°	2498.5	28.1
20°-30°	2751.7	31.0
30°-40°	1051.4	11.8
40°-50°	496.4	5.6
50°-60°	493.5	5.6
60°-70°	395.1	4.4
70°-80°	227.1	2.6
80°-90°	61.8	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°	6161.1	69.3
0°-40°	7212.4	81.2
0°-60°	8202.4	92.3
0°-90°	8886.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8886.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9991	
5°	9657	911
15°	8983	2498
25°	5913	2752
35°	1338	1051
45°	647	496
55°	554	494
65°	402	395
75°	215	227
85°	52	62
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9990.9
2.5°	9886.5
5°	9657.1
7.5°	9465.7
10°	9280.6
12.5°	9124.0
15°	8983.2
17.5°	8643.1
20°	8160.7
22.5°	7119.8
25°	5912.9
27.5°	5147.3
30°	3994.1
32.5°	2580.0
35°	1338.2
37.5°	722.9
40°	658.0
42.5°	653.3
45°	647.0
47.5°	632.7
50°	609.0
52.5°	582.1
55°	553.6
57.5°	522.0
60°	485.6
62.5°	444.5
65°	401.8
67.5°	354.3
70°	306.9
72.5°	259.4
75°	215.1
77.5°	169.3
80°	128.1
82.5°	90.2
85°	52.2
87.5°	20.6
90°	0.0



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— 0°-180°







(END OF REPORT)