

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: P756785

Luminaire Tested: LD4D95BD010-EU4DR7070959040-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756785
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-EU4DR7070959040-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9399.8 lumens
Efficiency: N/A
Efficacy: 94.8 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

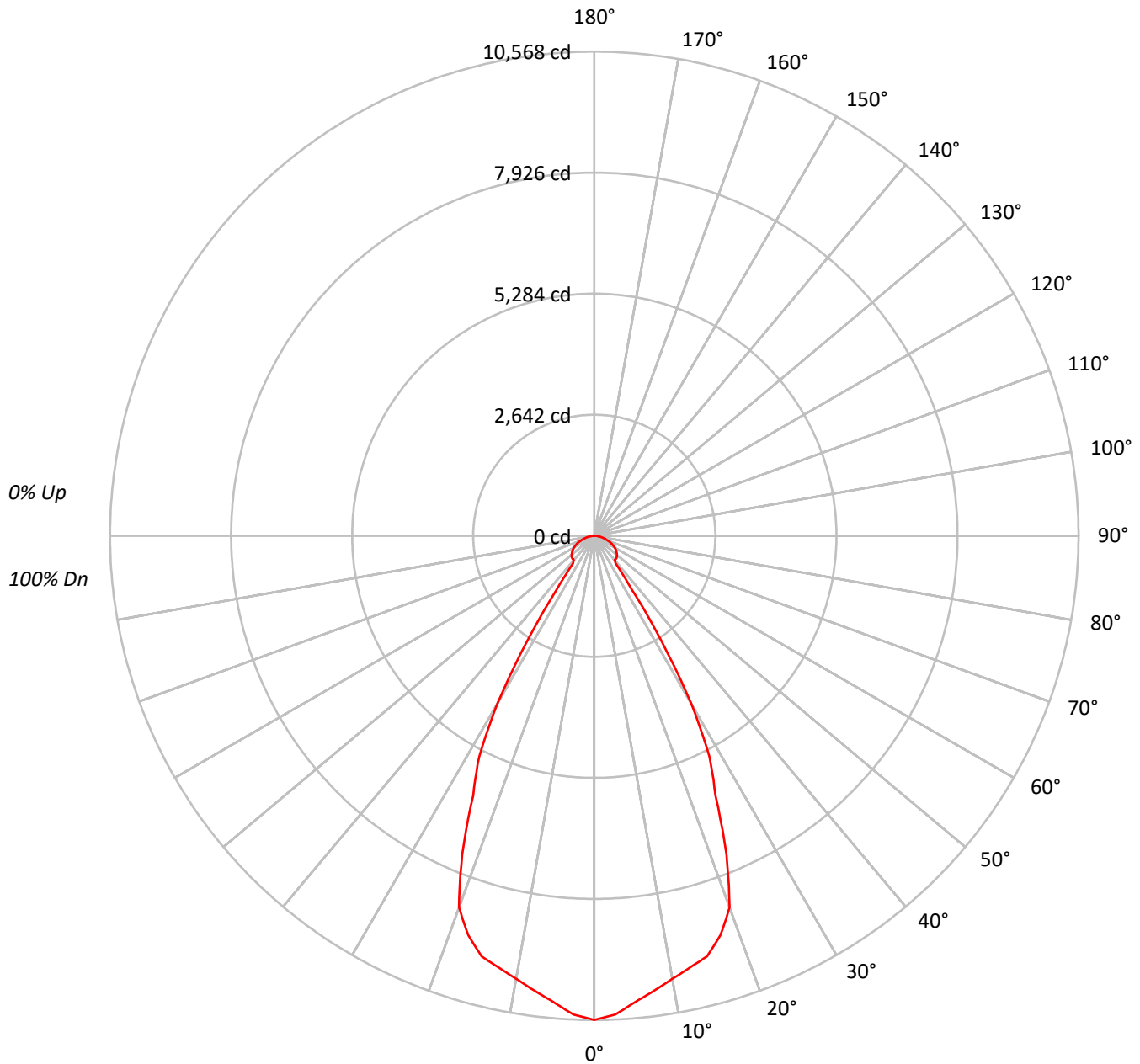


Downlight

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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	112	109	106	103		110	107	104	102		103	101	99		99	97	96		95	94	93
2	106	100	95	91		103	98	94	90		95	91	88		92	89	86		89	87	85
3	100	92	87	82		98	91	86	81		88	84	80		86	82	79		83	80	78
4	94	86	80	75		92	85	79	74		82	77	73		80	76	73		78	75	72
5	89	80	74	69		87	79	73	69		77	72	68		75	71	67		74	70	67
6	85	75	68	64		83	74	68	64		73	67	63		71	66	63		70	66	62
7	80	70	64	59		79	70	64	59		68	63	59		67	62	59		66	62	58
8	77	66	60	56		75	66	60	56		65	59	55		64	59	55		63	58	55
9	73	63	57	52		72	62	56	52		61	56	52		60	55	52		60	55	52
10	70	59	53	49		69	59	53	49		58	53	49		57	52	49		57	52	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1154679
5°	1120373
10°	1089137
15°	1074853
20°	1003691
25°	754017
30°	533028
35°	188817
40°	99285
45°	105752
50°	109501
55°	111551
60°	112254
65°	109877
70°	103696
75°	96082
80°	85258
85°	69200

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 112291 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	963.5	10.3
10°-20°	2642.8	28.1
20°-30°	2910.7	31.0
30°-40°	1112.1	11.8
40°-50°	525.1	5.6
50°-60°	522.0	5.6
60°-70°	418.0	4.4
70°-80°	240.2	2.6
80°-90°	65.3	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°	6517.1	69.3
0°-40°	7629.2	81.2
0°-60°	8676.3	92.3
0°-90°	9399.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9399.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10568	
5°	10215	963
15°	9502	2643
25°	6254	2911
35°	1416	1112
45°	684	525
55°	586	522
65°	425	418
75°	228	240
85°	55	65
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10568.1
2.5°	10457.7
5°	10215.1
7.5°	10012.6
10°	9816.8
12.5°	9651.2
15°	9502.3
17.5°	9142.5
20°	8632.2
22.5°	7531.2
25°	6254.5
27.5°	5444.7
30°	4224.9
32.5°	2729.0
35°	1415.6
37.5°	764.7
40°	696.1
42.5°	691.0
45°	684.4
47.5°	669.3
50°	644.2
52.5°	615.7
55°	585.6
57.5°	552.2
60°	513.7
62.5°	470.2
65°	425.0
67.5°	374.8
70°	324.6
72.5°	274.4
75°	227.6
77.5°	179.0
80°	135.5
82.5°	95.4
85°	55.2
87.5°	21.8
90°	0.0



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— 0°-180°







(END OF REPORT)