

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: P756798

Luminaire Tested: LD4D95BD010-EU4DR7070959050-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756798
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-EU4DR7070959050-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9466.9 lumens
Efficiency: N/A
Efficacy: 95.4 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

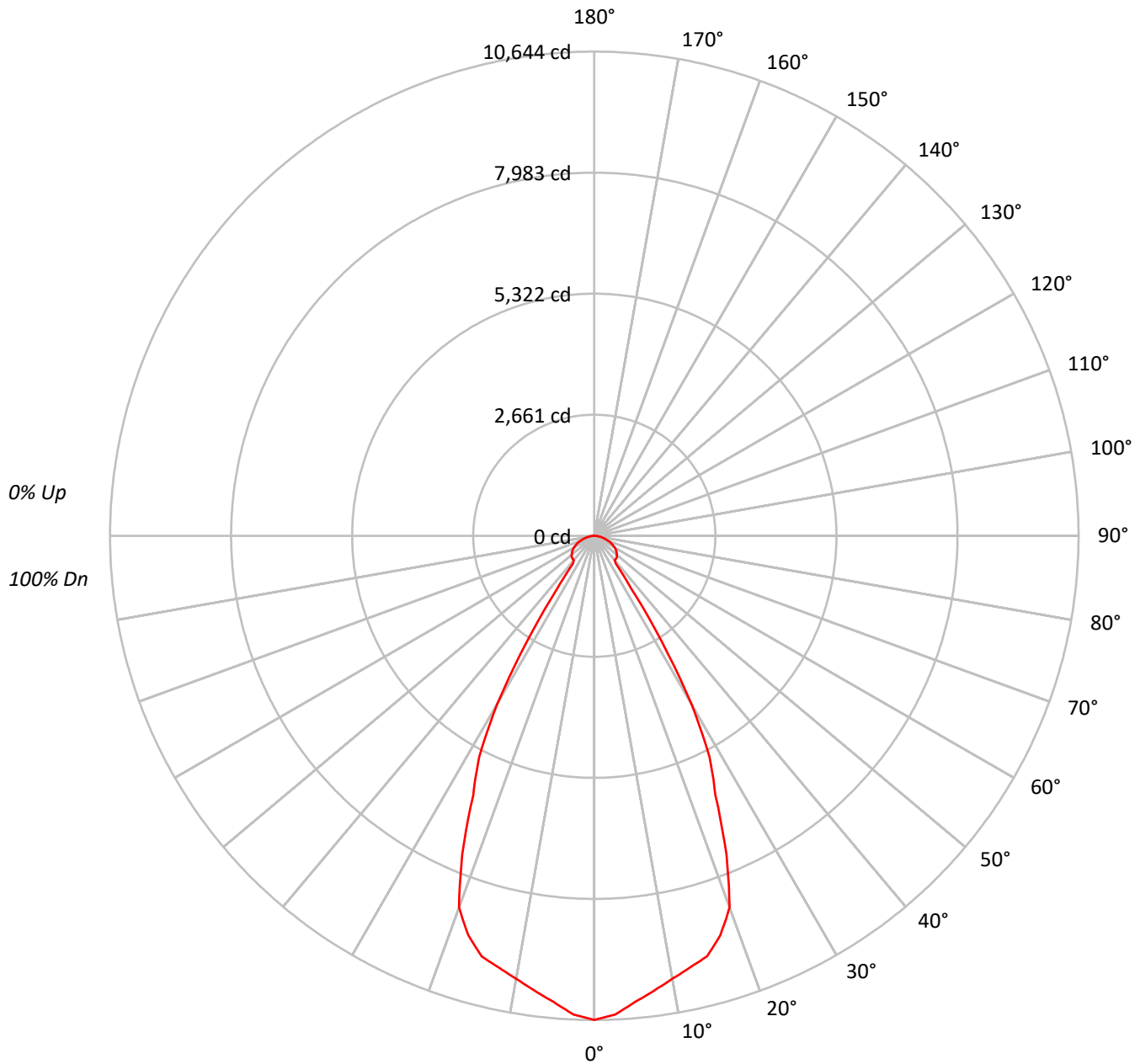


Downlight

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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°	1162928
5°	1128368
10°	1096915
15°	1082522
20°	1010853
25°	759406
30°	536838
35°	190164
40°	99983
45°	106494
50°	110283
55°	112351
60°	113063
65°	110652
70°	104431
75°	96757
80°	85887
85°	69702

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 113084 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	970.4	10.3
10°-20°	2661.7	28.1
20°-30°	2931.5	31.0
30°-40°	1120.0	11.8
40°-50°	528.9	5.6
50°-60°	525.8	5.6
60°-70°	420.9	4.4
70°-80°	241.9	2.6
80°-90°	65.8	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°	6563.6	69.3
0°-40°	7683.6	81.2
0°-60°	8738.3	92.3
0°-90°	9466.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9466.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10644	
5°	10288	970
15°	9570	2662
25°	6299	2932
35°	1426	1120
45°	689	529
55°	590	526
65°	428	421
75°	229	242
85°	56	66
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10643.6
2.5°	10532.4
5°	10288.0
7.5°	10084.1
10°	9886.9
12.5°	9720.1
15°	9570.1
17.5°	9207.8
20°	8693.8
22.5°	7585.0
25°	6299.2
27.5°	5483.6
30°	4255.1
32.5°	2748.5
35°	1425.7
37.5°	770.1
40°	701.0
42.5°	696.0
45°	689.2
47.5°	674.1
50°	648.8
52.5°	620.1
55°	589.8
57.5°	556.1
60°	517.4
62.5°	473.5
65°	428.0
67.5°	377.5
70°	326.9
72.5°	276.4
75°	229.2
77.5°	180.3
80°	136.5
82.5°	96.1
85°	55.6
87.5°	21.9
90°	0.0



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— 0°-180°







(END OF REPORT)