

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: P756681

Luminaire Tested: LD4D95BD010-EU4DR6570959030-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756681
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR6570959030-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7714.0 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
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

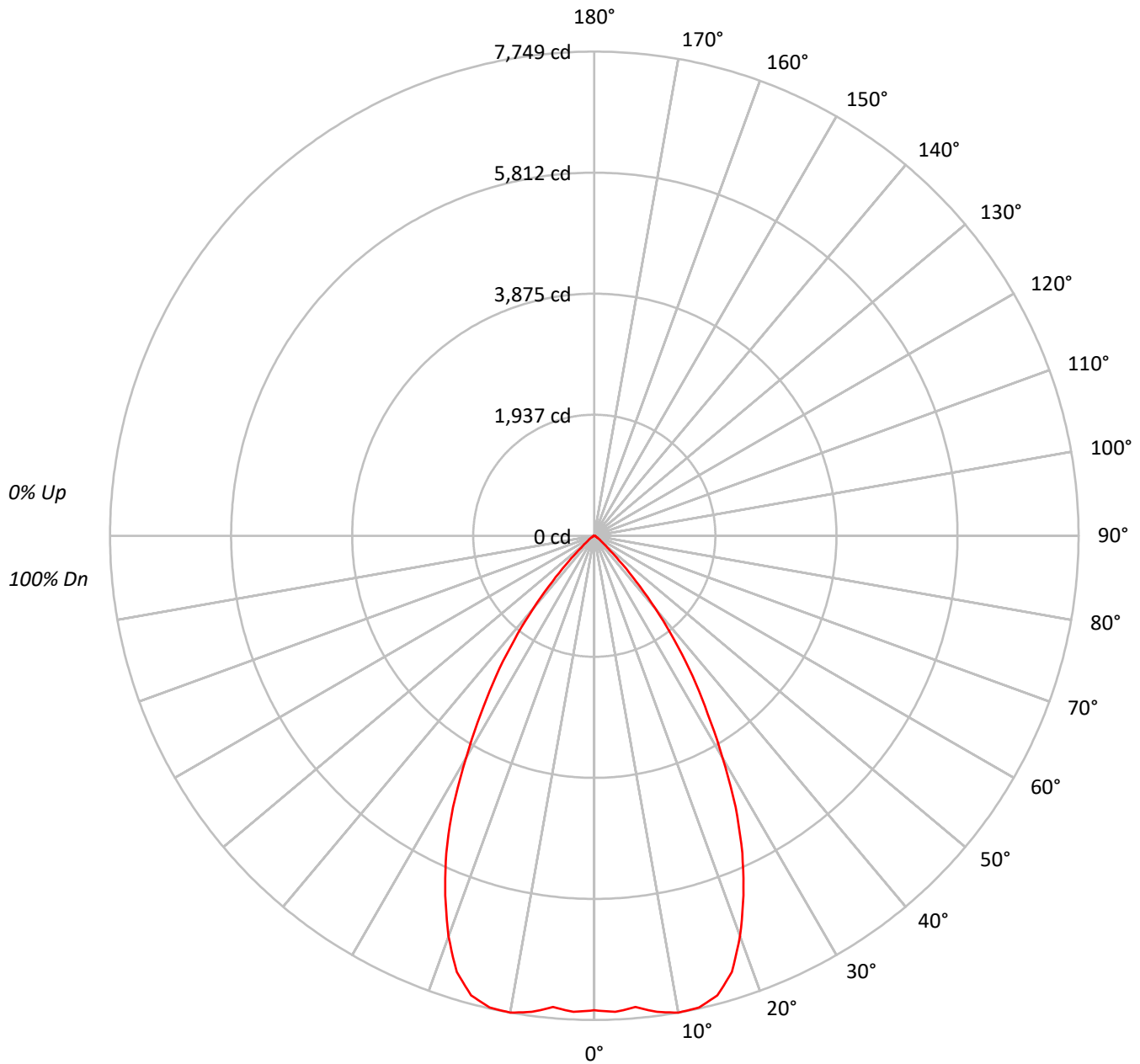


Downlight

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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	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	89	84	79	95	88	83	79	86	82	78		84	80	77		82
5	92	83	78	73	90	83	77	73	81	76	72		79	75	72		77
6	87	78	72	68	86	77	72	68	76	71	67		74	70	67		73
7	83	73	67	63	81	73	67	63	71	66	62		70	66	62		69
8	79	69	63	59	77	68	63	59	67	62	58		66	62	58		65
9	75	65	59	55	74	65	59	55	64	58	55		63	58	55		62
10	71	61	56	52	70	61	55	52	60	55	51		59	55	51		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	829835
5°	830527
10°	859767
15°	861190
20°	792865
25°	675559
30°	517169
35°	365375
40°	215670
45°	87550
50°	31735
55°	17678
60°	10139
65°	5584
70°	5846
75°	4559
80°	4782
85°	4012

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 87550 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	731.3	9.5
10°-20°	2109.6	27.3
20°-30°	2531.1	32.8
30°-40°	1701.0	22.1
40°-50°	509.2	6.6
50°-60°	89.9	1.2
60°-70°	25.5	0.3
70°-80°	12.5	0.2
80°-90°	4.0	0.1
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°	5372.0	69.6
0°-40°	7073.0	91.7
0°-60°	7672.0	99.5
0°-90°	7714.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7714.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7595	
5°	7572	731
15°	7613	2110
25°	5604	2531
35°	2739	1701
45°	567	509
55°	93	90
65°	22	26
75°	11	13
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7595.0
2.5°	7627.4
5°	7572.4
7.5°	7686.8
10°	7749.4
12.5°	7734.3
15°	7613.4
17.5°	7317.7
20°	6819.0
22.5°	6231.9
25°	5603.7
27.5°	4894.6
30°	4099.2
32.5°	3378.2
35°	2739.3
37.5°	2107.9
40°	1512.1
42.5°	987.6
45°	566.6
47.5°	300.0
50°	186.7
52.5°	129.5
55°	92.8
57.5°	66.9
60°	46.4
62.5°	30.2
65°	21.6
67.5°	19.4
70°	18.3
72.5°	14.0
75°	10.8
77.5°	9.7
80°	7.6
82.5°	5.4
85°	3.2
87.5°	2.2
90°	0.0



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— 0°-180°







(END OF REPORT)