

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: P756668

Luminaire Tested: LD4D95BD010-EU4DR6570959027-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756668
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-EU4DR6570959027-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7487.7 lumens
Efficiency: N/A
Efficacy: 75.5 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

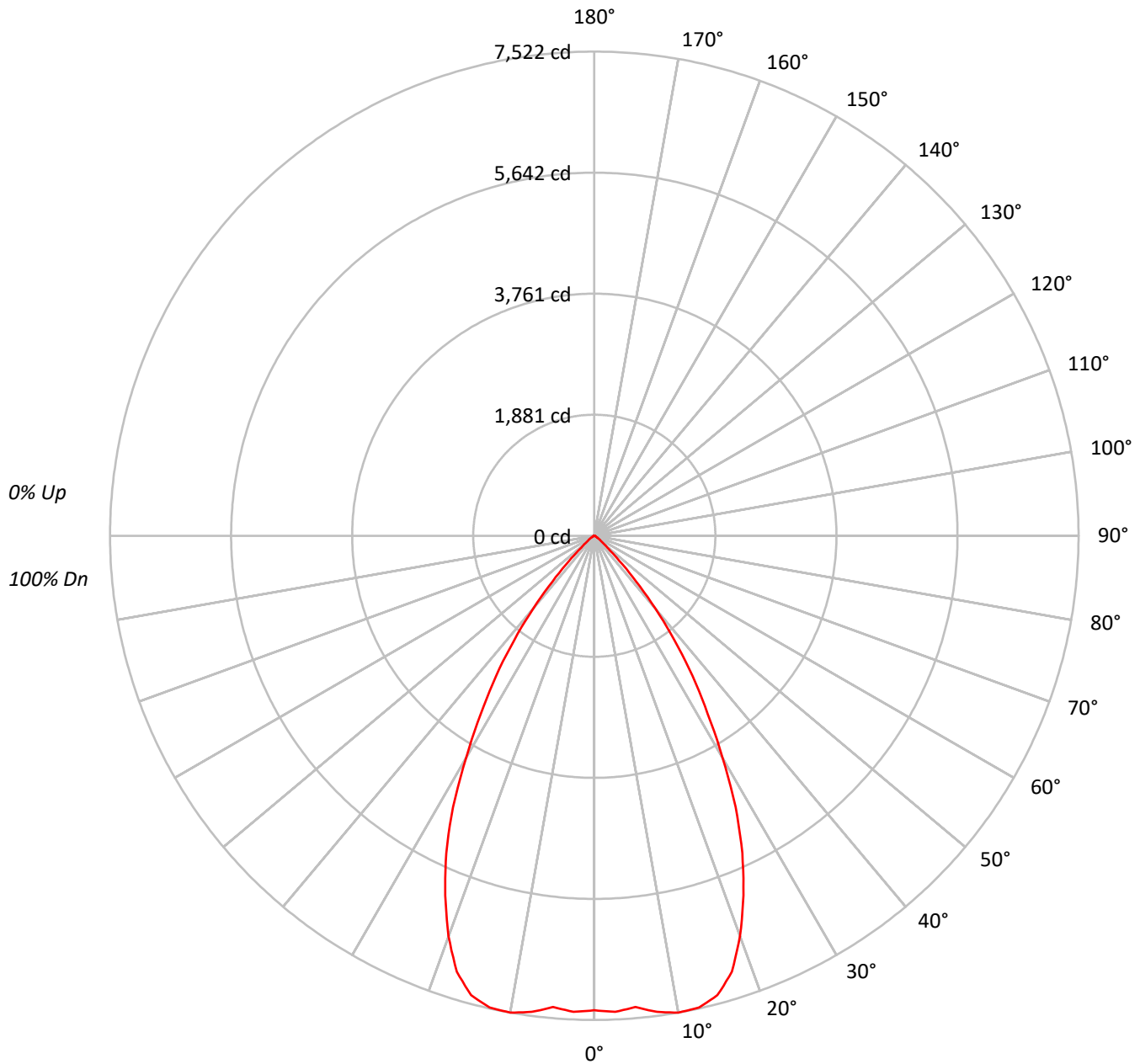


Downlight

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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	111	108	106		111	108	106	104		104	103	101		101	99	98		97	96	95
2	108	103	99	95		106	101	97	94		98	95	92		95	92	90		92	90	88
3	102	96	91	87		100	94	90	86		92	88	85		89	86	83		87	84	82
4	97	89	84	79		95	88	83	79		86	82	78		84	80	77		82	79	76
5	92	83	78	73		90	83	77	73		81	76	72		79	75	72		77	74	71
6	87	78	72	68		86	77	72	68		76	71	67		74	70	67		73	69	66
7	83	73	67	63		81	73	67	63		71	66	62		70	66	62		69	65	62
8	79	69	63	59		77	68	63	59		67	62	58		66	62	58		65	61	58
9	75	65	59	55		74	65	59	55		64	58	55		63	58	55		62	58	54
10	71	61	56	52		70	61	55	52		60	55	51		59	55	51		59	54	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	805503
5°	806167
10°	834549
15°	835932
20°	769610
25°	655752
30°	501992
35°	354651
40°	209338
45°	84985
50°	30800
55°	17163
60°	9833
65°	5429
70°	5686
75°	4433
80°	4593
85°	3886

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 84985 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	709.9	9.5
10°-20°	2047.7	27.3
20°-30°	2456.9	32.8
30°-40°	1651.1	22.1
40°-50°	494.2	6.6
50°-60°	87.2	1.2
60°-70°	24.8	0.3
70°-80°	12.1	0.2
80°-90°	3.8	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°	5214.4	69.6
0°-40°	6865.5	91.7
0°-60°	7447.0	99.5
0°-90°	7487.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7487.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7372	
5°	7350	710
15°	7390	2048
25°	5439	2457
35°	2659	1651
45°	550	494
55°	90	87
65°	21	25
75°	10	12
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7372.3
2.5°	7403.7
5°	7350.3
7.5°	7461.3
10°	7522.1
12.5°	7507.4
15°	7390.1
17.5°	7103.0
20°	6619.0
22.5°	6049.1
25°	5439.4
27.5°	4751.1
30°	3978.9
32.5°	3279.1
35°	2658.9
37.5°	2046.0
40°	1467.7
42.5°	958.6
45°	550.0
47.5°	291.2
50°	181.2
52.5°	125.7
55°	90.1
57.5°	65.0
60°	45.0
62.5°	29.3
65°	21.0
67.5°	18.9
70°	17.8
72.5°	13.6
75°	10.5
77.5°	9.4
80°	7.3
82.5°	5.2
85°	3.1
87.5°	2.1
90°	0.0



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— 0°-180°







(END OF REPORT)