

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: P756680

Luminaire Tested: LD4D95BD010-EU4DR6570959030-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756680
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-EU4DR6570959030-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5746.1 lumens
Efficiency: N/A
Efficacy: 57.9 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 (A_{in}): 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

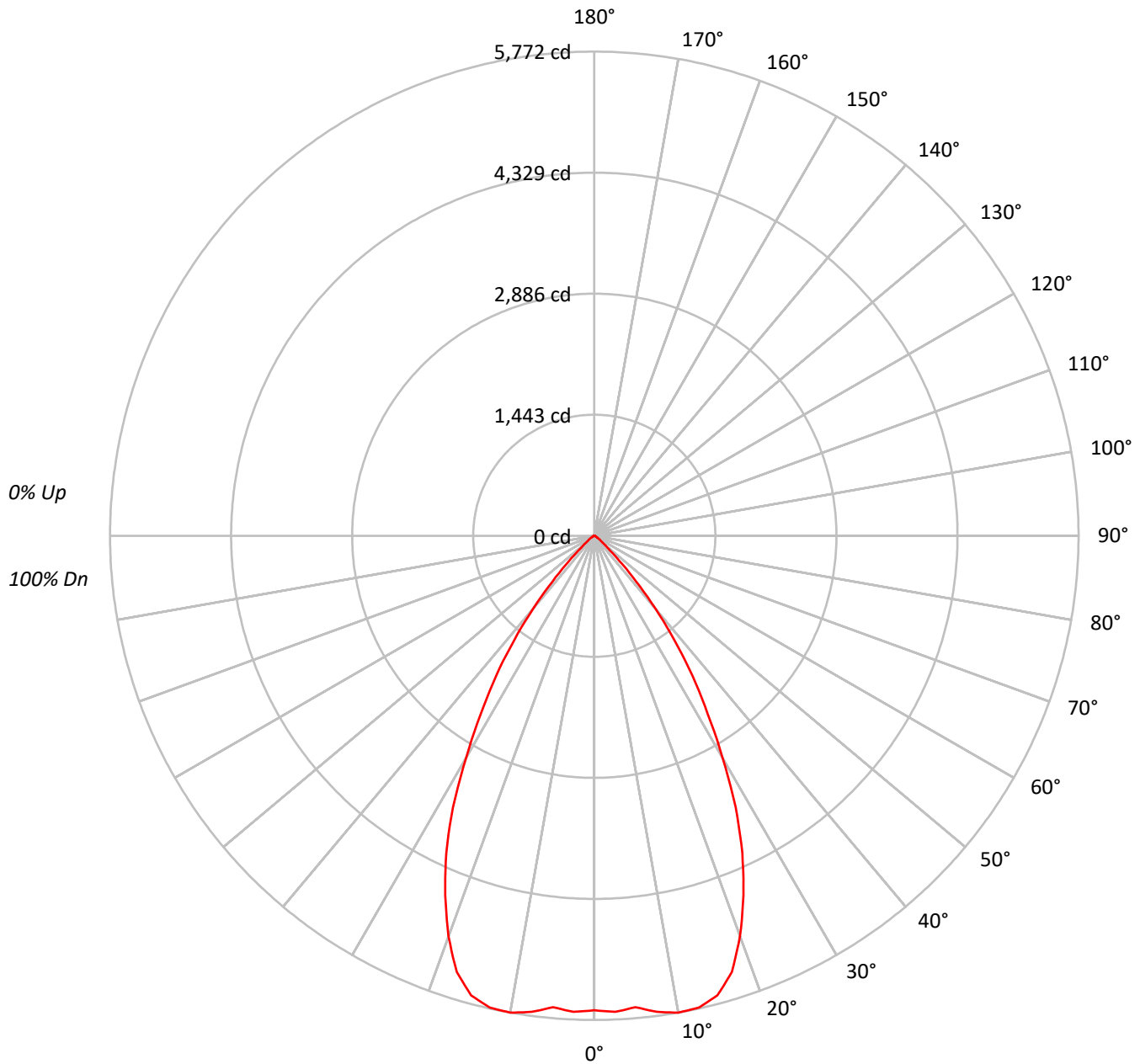


Downlight

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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°	618143
5°	618650
10°	640426
15°	641487
20°	590596
25°	503224
30°	385227
35°	272168
40°	160658
45°	65222
50°	23644
55°	13163
60°	7561
65°	4162
70°	4377
75°	3377
80°	3524
85°	3009

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 65222 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	544.8	9.5
10°-20°	1571.4	27.3
20°-30°	1885.4	32.8
30°-40°	1267.0	22.1
40°-50°	379.3	6.6
50°-60°	66.9	1.2
60°-70°	19.0	0.3
70°-80°	9.3	0.2
80°-90°	2.9	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°	4001.6	69.6
0°-40°	5268.6	91.7
0°-60°	5714.8	99.5
0°-90°	5746.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5746.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5658	
5°	5641	545
15°	5671	1571
25°	4174	1885
35°	2040	1267
45°	422	379
55°	69	67
65°	16	19
75°	8	9
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5657.5
2.5°	5681.6
5°	5640.6
7.5°	5725.8
10°	5772.4
12.5°	5761.2
15°	5671.1
17.5°	5450.9
20°	5079.4
22.5°	4642.1
25°	4174.2
27.5°	3646.0
30°	3053.4
32.5°	2516.4
35°	2040.5
37.5°	1570.1
40°	1126.4
42.5°	735.6
45°	422.1
47.5°	223.5
50°	139.1
52.5°	96.5
55°	69.1
57.5°	49.8
60°	34.6
62.5°	22.5
65°	16.1
67.5°	14.5
70°	13.7
72.5°	10.5
75°	8.0
77.5°	7.2
80°	5.6
82.5°	4.0
85°	2.4
87.5°	1.6
90°	0.0



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— 0°-180°







(END OF REPORT)