

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: P756631

Luminaire Tested: LD4D95BD010-EU4DR6070959040-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756631
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR6070959040-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8457.2 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
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

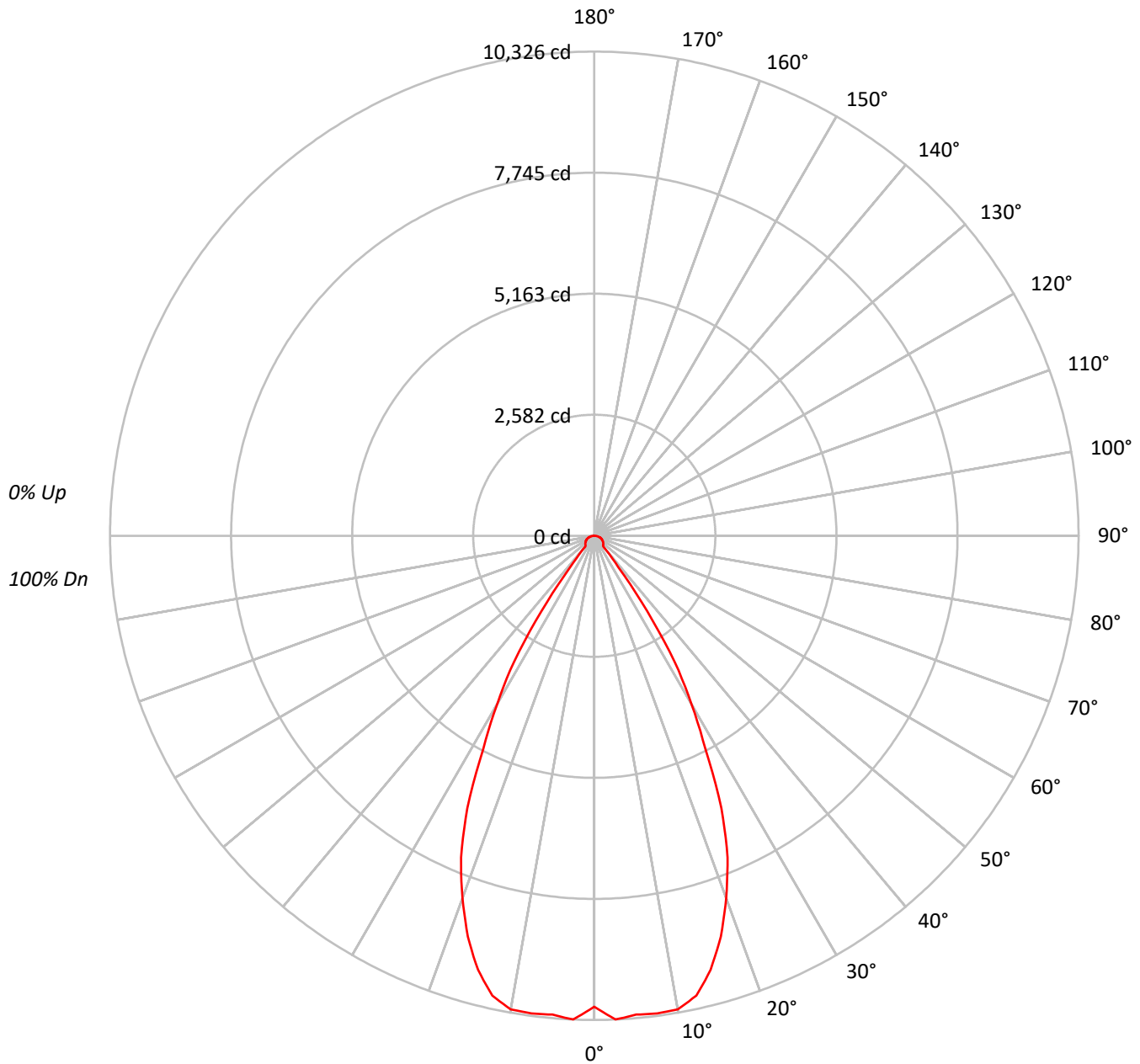


Downlight

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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	110	108	105		111	108	106	104		104	102	100		100	99	97		97	96	95
2	107	102	98	95		105	101	97	94		97	94	92		94	92	90		92	90	88
3	102	96	90	86		100	94	89	86		91	88	84		89	86	83		87	84	82
4	97	89	84	80		95	88	83	79		86	82	78		84	80	77		82	79	76
5	92	84	78	74		91	83	78	74		81	77	73		80	76	72		78	75	72
6	88	79	73	69		87	78	73	69		77	72	68		75	71	68		74	70	67
7	84	75	69	65		83	74	68	64		73	68	64		72	67	64		71	67	63
8	80	71	65	61		79	70	65	61		69	64	60		68	64	60		67	63	60
9	77	67	61	57		75	67	61	57		66	61	57		65	60	57		64	60	57
10	73	64	58	54		72	63	58	54		62	58	54		62	57	54		61	57	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1097404
5°	1124387
10°	1137976
15°	1084072
20°	955821
25°	773089
30°	522935
35°	262044
40°	42504
45°	41612
50°	42444
55°	43070
60°	44272
65°	45295
70°	46353
75°	46901
80°	45240
85°	37734

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 46901 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	979.8	11.6
10°-20°	2650.9	31.3
20°-30°	2852.2	33.7
30°-40°	1239.8	14.7
40°-50°	208.2	2.5
50°-60°	202.5	2.4
60°-70°	173.2	2.0
70°-80°	115.9	1.4
80°-90°	34.7	0.4
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°	6482.9	76.7
0°-40°	7722.7	91.3
0°-60°	8133.4	96.2
0°-90°	8457.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8457.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10044	
5°	10252	980
15°	9584	2651
25°	6413	2852
35°	1965	1240
45°	269	208
55°	226	202
65°	175	173
75°	111	116
85°	30	35
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10043.9
2.5°	10326.2
5°	10251.7
7.5°	10275.3
10°	10257.0
12.5°	10045.2
15°	9583.8
17.5°	8964.2
20°	8220.5
22.5°	7424.4
25°	6412.7
27.5°	5129.1
30°	4144.9
32.5°	3194.6
35°	1964.6
37.5°	840.5
40°	298.0
42.5°	274.5
45°	269.3
47.5°	260.1
50°	249.7
52.5°	237.9
55°	226.1
57.5°	214.4
60°	202.6
62.5°	189.5
65°	175.2
67.5°	160.8
70°	145.1
72.5°	128.1
75°	111.1
77.5°	91.5
80°	71.9
82.5°	51.0
85°	30.1
87.5°	10.5
90°	0.0



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— 0°-180°







(END OF REPORT)