

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: P1178641

Luminaire Tested: LDA2B108027R2050D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178641
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2206-683-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B108027R2050D010 2LBDC1MMS
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

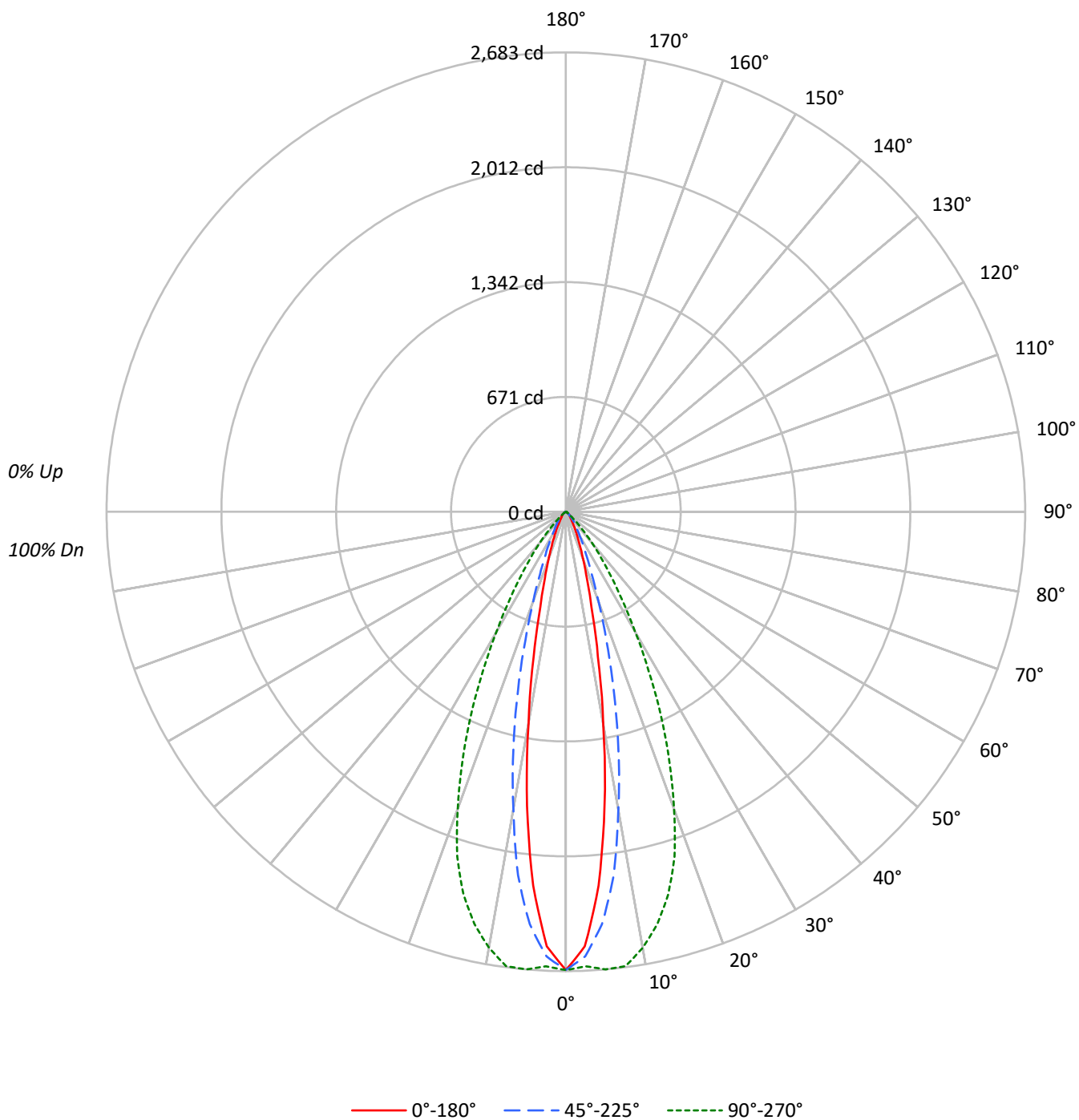
Lumens per Lamp: N/A
Luminaire Lumens: 961.9 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 10
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

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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	114	112	109	107	112	109	107	106	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		90
4	100	94	89	85	99	93	88	85	91	87	84		89	85	83		87
5	96	89	84	80	95	88	83	80	86	82	79		85	81	78		83
6	92	85	80	76	91	84	79	76	83	78	75		81	77	75		80
7	89	81	76	72	88	80	75	72	79	75	71		78	74	71		77
8	85	77	72	69	84	77	72	69	76	71	68		75	71	68		74
9	82	74	69	66	81	74	69	66	73	68	65		72	68	65		71
10	79	71	66	63	79	71	66	63	70	66	63		69	65	62		69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1320285	1320285	1320285
5°	1085481	1197654	1328647
10°	630073	885018	1295365
15°	293537	551218	1180482
20°	154672	290601	970298
25°	85683	157321	715622
30°	50246	92175	462812
35°	32282	61855	274220
40°	25182	41669	152379
45°	21769	24909	67749
50°	19726	17116	24868
55°	13418	12472	11526
60°	9867	8782	8782
65°	7822	6537	7822
70°	6491	6491	6491
75°	6290	6290	6290
80°	6251	6251	6251
85°	6227	6227	6227

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 67749 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.1	22.2
10°-20°	348.9	36.3
20°-30°	232.7	24.2
30°-40°	104.9	10.9
40°-50°	38.4	4.0
50°-60°	13.4	1.4
60°-70°	6.3	0.7
70°-80°	3.3	0.3
80°-90°	0.9	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°	794.7	82.6
0°-40°	899.6	93.5
0°-60°	951.5	98.9
0°-90°	961.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	961.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2676	2676	2676	2676	2676	
5°	2192	2260	2418	2595	2683	179
15°	575	675	1079	1824	2311	172
25°	157	183	289	788	1315	76
35°	54	60	103	222	455	36
45°	31	31	36	56	97	24
55°	16	14	14	12	13	15
65°	7	7	6	6	7	7
75°	3	3	3	3	3	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2676.1	2676.1	2676.1	2676.1	2676.1
2.5°	2541.1	2567.9	2599.1	2631.5	2657.2
5°	2191.8	2259.9	2418.3	2594.7	2682.8
7.5°	1733.1	1833.6	2141.6	2489.8	2676.1
10°	1257.7	1386.1	1766.6	2307.9	2585.7
12.5°	864.9	985.4	1417.3	2078.0	2466.3
15°	574.7	675.2	1079.2	1823.5	2311.2
17.5°	405.1	473.2	784.5	1545.6	2111.4
20°	294.6	340.4	553.5	1273.3	1848.1
22.5°	214.3	248.9	393.9	1017.8	1581.4
25°	157.4	183.0	289.0	787.9	1314.6
27.5°	117.2	137.3	216.5	598.2	1047.9
30°	88.2	104.9	161.8	440.8	812.4
32.5°	68.1	79.2	123.9	314.7	614.9
35°	53.6	60.3	102.7	222.1	455.3
37.5°	44.6	49.1	84.8	155.1	333.7
40°	39.1	42.4	64.7	110.5	236.6
42.5°	34.6	36.8	46.9	79.2	154.0
45°	31.2	31.2	35.7	55.8	97.1
47.5°	29.0	25.7	27.9	39.1	56.9
50°	25.7	21.2	22.3	26.8	32.4
52.5°	20.1	17.9	17.9	17.9	19.0
55°	15.6	14.5	14.5	12.3	13.4
57.5°	12.3	12.3	11.2	10.0	11.2
60°	10.0	10.0	8.9	7.8	8.9
62.5°	7.8	7.8	6.7	6.7	7.8
65°	6.7	6.7	5.6	5.6	6.7
67.5°	5.6	5.6	5.6	4.5	5.6
70°	4.5	4.5	4.5	4.5	4.5
72.5°	3.3	3.3	4.5	3.3	3.3
75°	3.3	3.3	3.3	3.3	3.3
77.5°	2.2	2.2	2.2	2.2	2.2
80°	2.2	2.2	2.2	2.2	2.2
82.5°	1.1	1.1	1.1	1.1	1.1
85°	1.1	1.1	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)