

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: P1178789

Luminaire Tested: LDA2B108050R2050D010 2LBD1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178789
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: LDA2B108050R2050D010 2LBD1MW
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

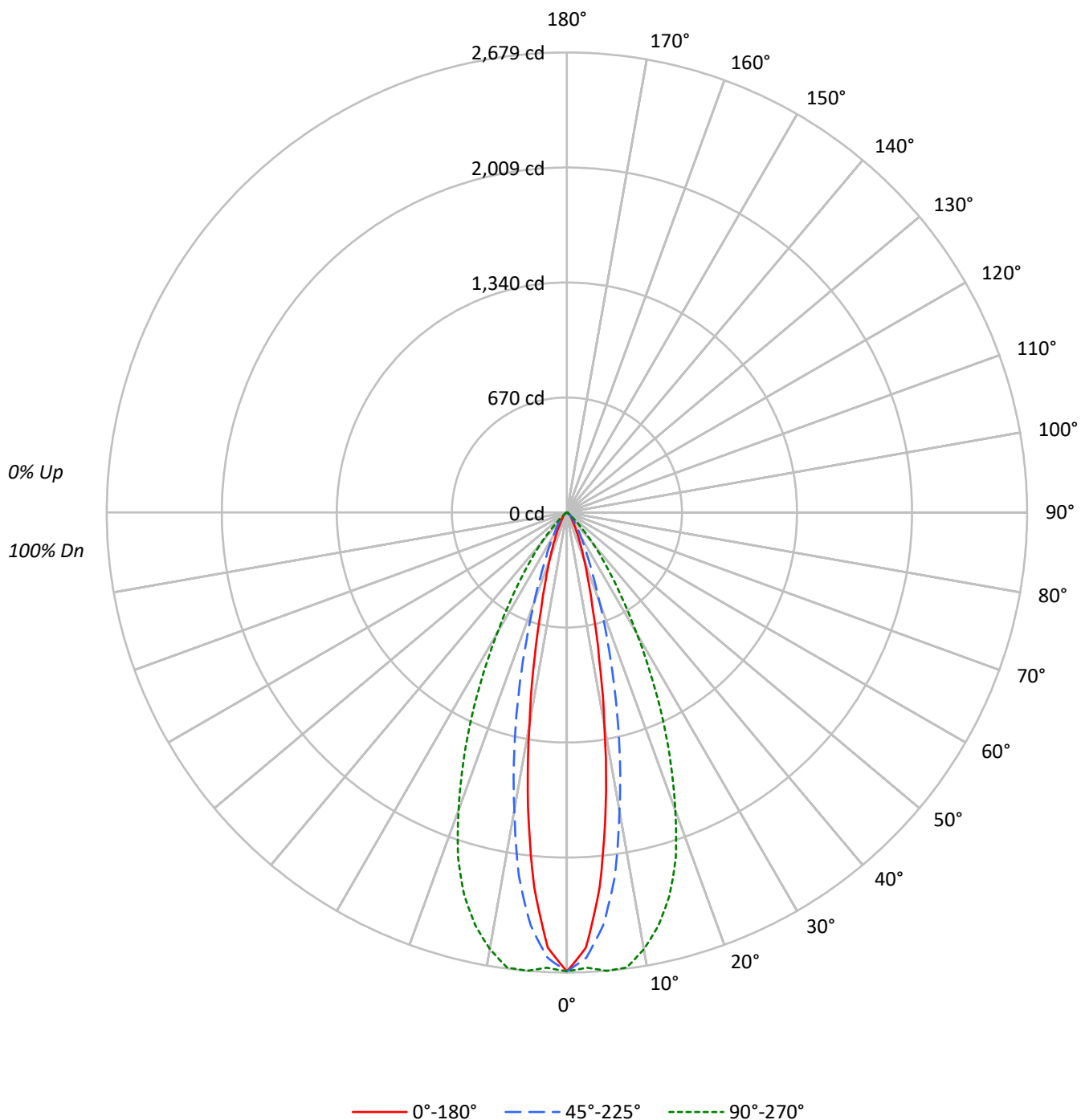
Lumens per Lamp: N/A
Luminaire Lumens: 960.5 lumens
Efficiency: N/A
Efficacy: 96.0 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	1318312	1318312	1318312
5°	1083847	1195871	1326616
10°	629122	883666	1293411
15°	293128	550350	1178694
20°	154462	290181	968828
25°	85520	157104	714533
30°	50132	92061	462129
35°	32222	61734	273798
40°	25117	41605	152122
45°	21769	24909	67609
50°	19649	17116	24791
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: 67609 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.8	22.2
10°-20°	348.4	36.3
20°-30°	232.4	24.2
30°-40°	104.8	10.9
40°-50°	38.3	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°	793.5	82.6
0°-40°	898.2	93.5
0°-60°	950.0	98.9
0°-90°	960.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	960.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2672	2672	2672	2672	2672	
5°	2188	2256	2415	2591	2679	179
15°	574	674	1078	1821	2308	172
25°	157	183	289	787	1313	76
35°	54	60	102	222	455	35
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°	2672.1	2672.1	2672.1	2672.1	2672.1
2.5°	2537.2	2564.0	2595.2	2627.5	2653.1
5°	2188.5	2256.4	2414.7	2590.7	2678.7
7.5°	1730.5	1830.8	2138.3	2486.0	2672.1
10°	1255.8	1383.9	1763.9	2304.3	2581.8
12.5°	863.6	983.9	1415.1	2074.8	2462.6
15°	573.9	674.1	1077.5	1820.7	2307.7
17.5°	404.5	472.5	783.3	1543.3	2108.2
20°	294.2	339.9	552.7	1271.4	1845.3
22.5°	213.9	248.5	393.3	1016.2	1578.9
25°	157.1	182.7	288.6	786.7	1312.6
27.5°	117.0	137.1	216.2	597.3	1046.3
30°	88.0	104.7	161.6	440.1	811.2
32.5°	68.0	79.1	123.7	314.2	614.0
35°	53.5	60.2	102.5	221.7	454.6
37.5°	44.6	49.0	84.7	154.9	333.2
40°	39.0	42.3	64.6	110.3	236.2
42.5°	34.5	36.8	46.8	79.1	153.8
45°	31.2	31.2	35.7	55.7	96.9
47.5°	29.0	25.6	27.9	39.0	56.8
50°	25.6	21.2	22.3	26.7	32.3
52.5°	20.1	17.8	17.8	17.8	18.9
55°	15.6	14.5	14.5	12.3	13.4
57.5°	12.3	12.3	11.1	10.0	11.1
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)