

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: P1178767

Luminaire Tested: LDA2B108040R2060D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178767
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2010-034-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B108040R2060D010 2LBDC1MB
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

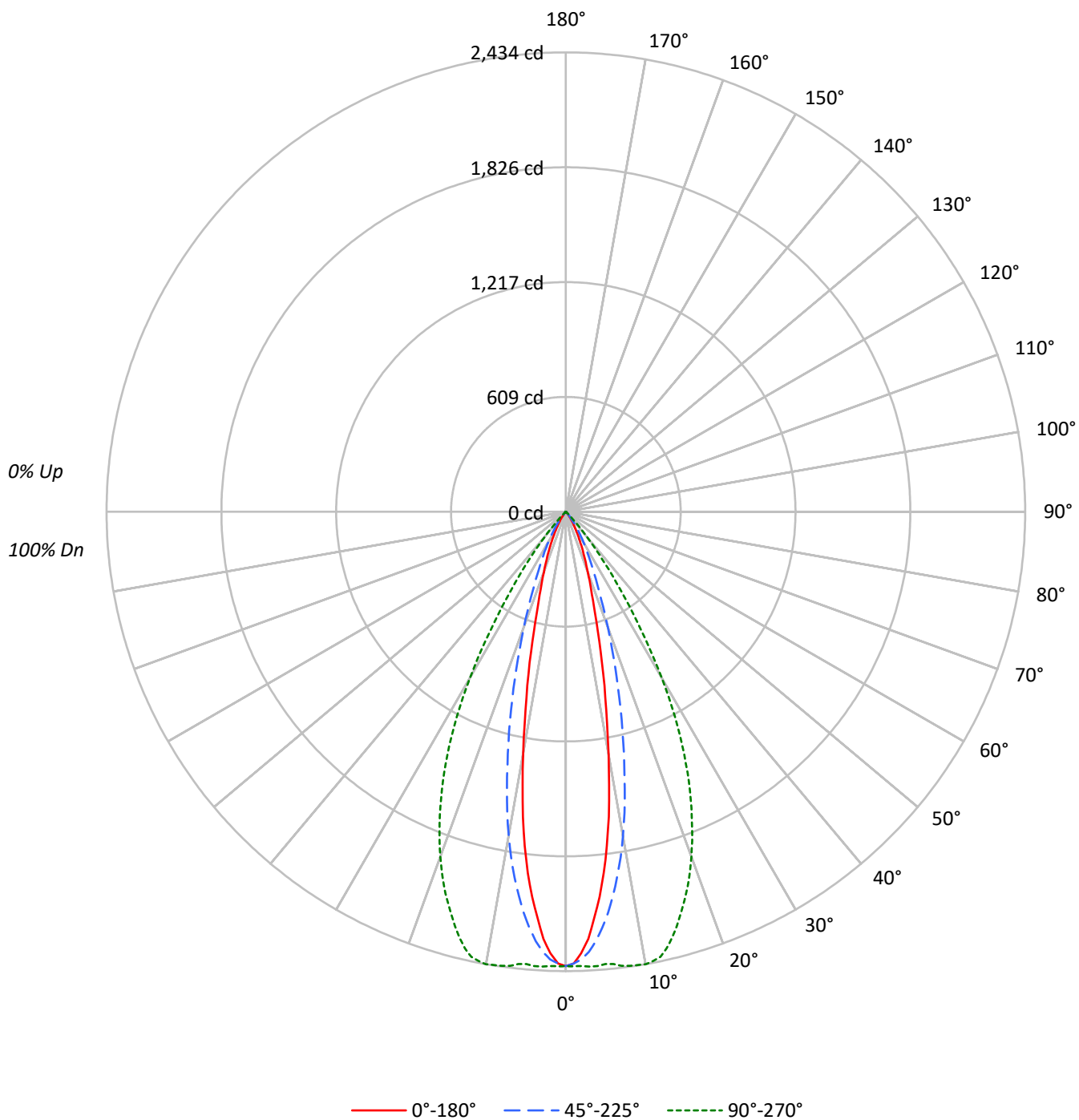
Lumens per Lamp: N/A
Luminaire Lumens: 959.0 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	92	92	90
3	105	100	96	92	103	99	95	92	96	93	90	94	91	89	91	89	87	87	87	86
4	101	95	90	87	99	94	89	86	92	88	85	90	87	84	88	85	83	83	83	82
5	97	90	85	82	96	89	85	81	88	84	81	86	83	80	85	82	79	79	79	78
6	93	86	81	77	92	85	81	77	84	80	77	82	79	76	81	78	76	76	76	74
7	90	82	77	74	89	81	77	73	80	76	73	79	75	73	78	75	72	72	72	71
8	86	79	74	70	85	78	73	70	77	73	70	76	72	69	75	72	69	69	69	68
9	83	75	70	67	82	75	70	67	74	70	67	73	69	66	72	69	66	66	66	65
10	80	72	67	64	79	72	67	64	71	67	64	70	66	64	70	66	64	64	64	62

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1187719	1187719	1187719
5°	1014265	1096327	1191117
10°	653018	873997	1219518
15°	334960	582937	1160460
20°	178876	340636	1020700
25°	99728	186771	830265
30°	53209	106360	578344
35°	23188	51315	301503
40°	6762	15006	114252
45°	1605	4047	17094
50°	921	921	1765
55°	1032	1032	1032
60°	0	1184	1184
65°	0	1401	1401
70°	0	1731	1731
75°	0	2287	2287
80°	0	3409	3409
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 17094 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.7	20.7
10°-20°	361.7	37.7
20°-30°	274.2	28.6
30°-40°	109.7	11.4
40°-50°	11.1	1.2
50°-60°	1.2	0.1
60°-70°	1.0	0.1
70°-80°	1.1	0.1
80°-90°	0.3	0.0
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°	834.6	87.0
0°-40°	944.3	98.5
0°-60°	956.6	99.7
0°-90°	959.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	959.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2407	2407	2407	2407	2407	
5°	2048	2094	2214	2342	2405	172
15°	656	761	1141	1879	2272	188
25°	183	214	343	980	1525	87
35°	38	48	85	259	501	27
45°	2	4	6	12	24	3
55°	1	1	1	1	1	1
65°	0	1	1	1	1	0
75°	0	1	1	1	1	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2407.4	2407.4	2407.4	2407.4	2407.4
1°	2394.6	2395.7	2393.4	2396.9	2408.6
2°	2340.9	2358.4	2373.6	2388.7	2408.6
3°	2266.2	2287.2	2335.1	2382.9	2413.2
4°	2156.5	2199.7	2281.4	2368.9	2413.2
5°	2048.0	2093.5	2213.7	2342.1	2405.1
6°	1924.3	1989.6	2135.5	2316.4	2409.7
7°	1784.3	1864.8	2049.2	2300.1	2423.7
8°	1632.6	1723.6	1954.6	2265.0	2429.6
9°	1464.5	1575.4	1854.3	2223.0	2431.9
10°	1303.5	1420.2	1744.6	2175.2	2434.3
11°	1142.4	1263.8	1625.6	2128.5	2424.9
12°	1005.9	1121.4	1500.7	2079.5	2410.9
13°	879.9	991.9	1377.0	2021.2	2374.7
14°	763.2	872.9	1258.0	1953.5	2326.9
15°	655.8	760.8	1141.3	1878.8	2272.0
16°	559.0	657.0	1029.2	1795.9	2211.4
17°	489.0	567.1	924.2	1708.4	2151.9
18°	434.1	492.5	825.0	1622.1	2088.8
19°	385.1	431.8	732.8	1532.2	2018.8
20°	340.7	382.8	648.8	1438.8	1944.1
21°	303.4	339.6	570.6	1346.7	1868.3
22°	270.7	302.2	500.6	1255.6	1785.4
23°	240.4	268.4	441.1	1163.4	1702.6
24°	211.2	241.6	388.6	1070.1	1616.2
25°	183.2	213.6	343.1	980.2	1525.2
26°	161.0	189.0	304.6	892.7	1430.7
27°	138.9	168.0	270.7	808.7	1335.0
28°	121.4	148.2	240.4	728.2	1231.1
29°	105.0	130.7	212.4	648.8	1124.9
30°	93.4	113.2	186.7	574.1	1015.2
32.5°	64.2	75.9	130.7	403.8	741.0
35°	38.5	47.8	85.2	259.1	500.6
37.5°	21.0	25.7	49.0	155.2	315.1
40°	10.5	12.8	23.3	75.9	177.4
42.5°	4.7	5.8	10.5	29.2	75.9
45°	2.3	3.5	5.8	11.7	24.5
47.5°	1.2	2.3	2.3	4.7	7.0
50°	1.2	1.2	1.2	2.3	2.3
52.5°	1.2	1.2	1.2	2.3	2.3
55°	1.2	1.2	1.2	1.2	1.2
57.5°	0.0	1.2	1.2	1.2	1.2
60°	0.0	1.2	1.2	1.2	1.2
62.5°	0.0	1.2	1.2	1.2	1.2
65°	0.0	1.2	1.2	1.2	1.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.2	1.2	1.2	1.2
70°	0.0	1.2	1.2	1.2	1.2
72.5°	0.0	1.2	1.2	1.2	1.2
75°	0.0	1.2	1.2	1.2	1.2
77.5°	0.0	1.2	1.2	1.2	1.2
80°	0.0	0.0	1.2	1.2	1.2
82.5°	0.0	0.0	1.2	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0
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)