

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: P1178728

Luminaire Tested: LDA2B108035R2060D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178728
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: LDA2B108035R2060D010 2LBDC1MB
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

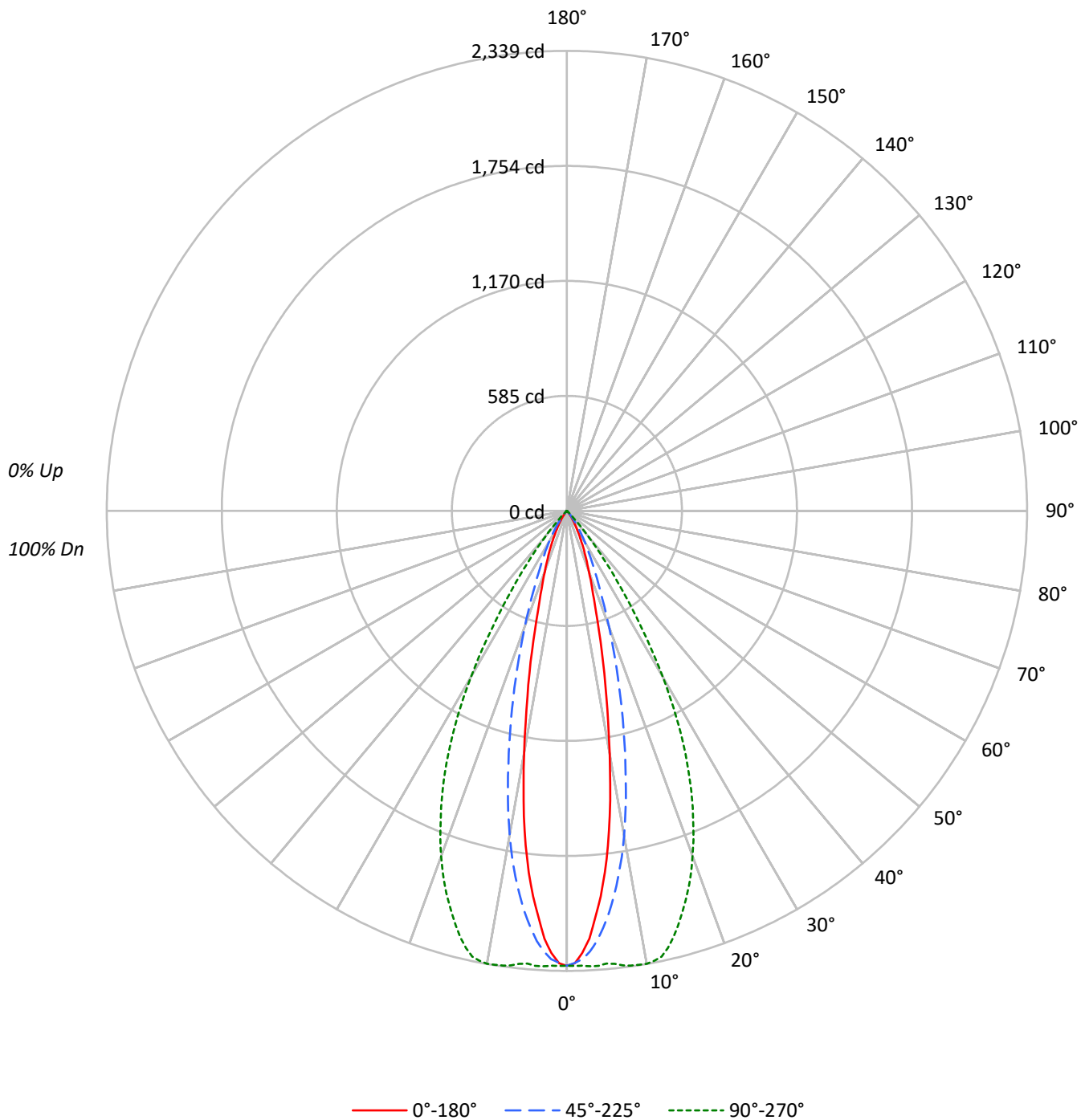
Lumens per Lamp: N/A
Luminaire Lumens: 921.2 lumens
Efficiency: N/A
Efficacy: 92.1 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	83	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°	1141047	1141047	1141047
5°	974397	1053240	1144316
10°	627368	839630	1171575
15°	321833	560004	1114899
20°	171893	327248	980589
25°	95808	179423	797657
30°	51101	102202	555671
35°	22284	49267	289638
40°	6505	14426	109744
45°	1535	3907	16396
50°	844	844	1689
55°	946	946	946
60°	0	1085	1085
65°	0	1284	1284
70°	0	1587	1587
75°	0	2097	2097
80°	0	3125	3125
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 16396 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.9	20.7
10°-20°	347.5	37.7
20°-30°	263.4	28.6
30°-40°	105.4	11.4
40°-50°	10.7	1.2
50°-60°	1.1	0.1
60°-70°	1.0	0.1
70°-80°	1.0	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°	801.8	87.0
0°-40°	907.2	98.5
0°-60°	919.0	99.8
0°-90°	921.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	921.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2313	2313	2313	2313	2313	
5°	1968	2011	2127	2250	2311	165
15°	630	731	1096	1805	2183	180
25°	176	205	330	942	1465	83
35°	37	46	82	249	481	26
45°	2	3	6	11	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°	2312.8	2312.8	2312.8	2312.8	2312.8
1°	2300.5	2301.6	2299.4	2302.7	2313.9
2°	2248.9	2265.7	2280.3	2294.9	2313.9
3°	2177.2	2197.3	2243.3	2289.3	2318.4
4°	2071.8	2113.3	2191.7	2275.8	2318.4
5°	1967.5	2011.2	2126.7	2250.0	2310.6
6°	1848.7	1911.5	2051.6	2225.4	2315.1
7°	1714.2	1791.5	1968.6	2209.7	2328.5
8°	1568.4	1655.9	1877.8	2176.0	2334.1
9°	1407.0	1513.5	1781.4	2135.7	2336.4
10°	1252.3	1364.4	1676.0	2089.7	2338.6
11°	1097.6	1214.1	1561.7	2044.9	2329.6
12°	966.4	1077.4	1441.7	1997.8	2316.2
13°	845.3	952.9	1322.9	1941.7	2281.4
14°	733.2	838.6	1208.5	1876.7	2235.5
15°	630.1	731.0	1096.4	1805.0	2182.8
16°	537.0	631.2	988.8	1725.4	2124.5
17°	469.7	544.9	887.9	1641.3	2067.3
18°	417.0	473.1	792.6	1558.3	2006.8
19°	370.0	414.8	704.0	1472.0	1939.5
20°	327.4	367.7	623.3	1382.3	1867.7
21°	291.5	326.2	548.2	1293.7	1794.9
22°	260.1	290.4	480.9	1206.3	1715.3
23°	230.9	257.9	423.8	1117.7	1635.7
24°	202.9	232.1	373.3	1028.0	1552.7
25°	176.0	205.2	329.6	941.7	1465.3
26°	154.7	181.6	292.6	857.6	1374.5
27°	133.4	161.4	260.1	776.9	1282.5
28°	116.6	142.4	230.9	699.6	1182.8
29°	100.9	125.6	204.0	623.3	1080.7
30°	89.7	108.7	179.4	551.6	975.4
32.5°	61.7	72.9	125.6	387.9	711.9
35°	37.0	46.0	81.8	248.9	480.9
37.5°	20.2	24.7	47.1	149.1	302.7
40°	10.1	12.3	22.4	72.9	170.4
42.5°	4.5	5.6	10.1	28.0	72.9
45°	2.2	3.4	5.6	11.2	23.5
47.5°	1.1	2.2	2.2	4.5	6.7
50°	1.1	1.1	1.1	2.2	2.2
52.5°	1.1	1.1	1.1	2.2	2.2
55°	1.1	1.1	1.1	1.1	1.1
57.5°	0.0	1.1	1.1	1.1	1.1
60°	0.0	1.1	1.1	1.1	1.1
62.5°	0.0	1.1	1.1	1.1	1.1
65°	0.0	1.1	1.1	1.1	1.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.1	1.1	1.1	1.1
70°	0.0	1.1	1.1	1.1	1.1
72.5°	0.0	1.1	1.1	1.1	1.1
75°	0.0	1.1	1.1	1.1	1.1
77.5°	0.0	1.1	1.1	1.1	1.1
80°	0.0	0.0	1.1	1.1	1.1
82.5°	0.0	0.0	1.1	1.1	1.1
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)