

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: P1179192

Luminaire Tested: LDA2B158030R2060D010 2LBD1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179192
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: LDA2B158030R2060D010 2LBD1MW
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

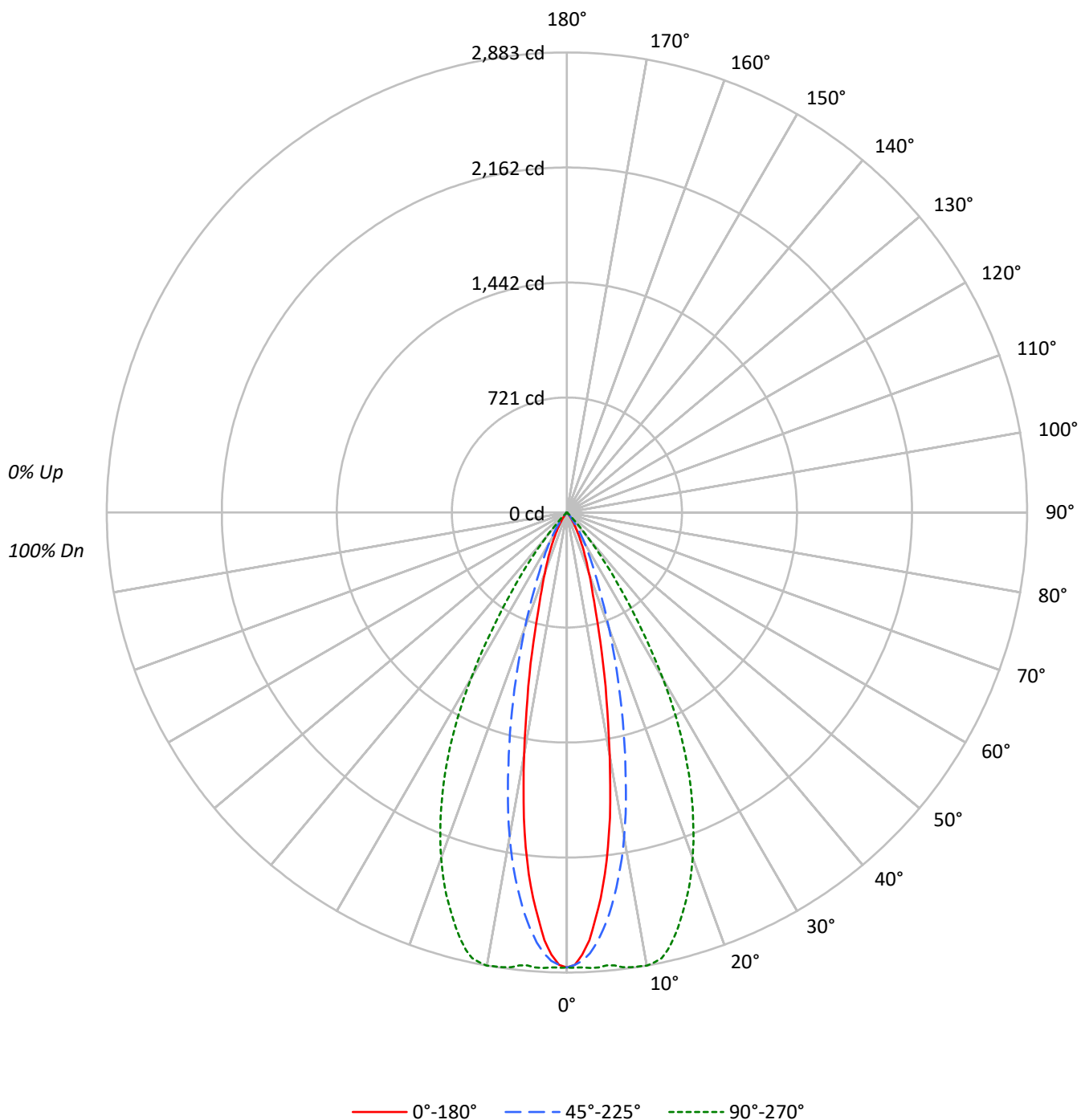
Lumens per Lamp: N/A
Luminaire Lumens: 1135.9 lumens
Efficiency: N/A
Efficacy: 80.6 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 14.1
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°	1406821	1406821	1406821
5°	1201369	1298585	1410858
10°	773452	1035210	1444455
15°	396763	690453	1374573
20°	211900	403481	1209027
25°	118127	221230	983449
30°	63007	126014	685046
35°	27464	60770	357154
40°	7986	17775	135312
45°	1954	4814	20234
50°	1075	1075	2149
55°	1204	1204	1204
60°	0	1381	1381
65°	0	1634	1634
70°	0	2019	2019
75°	0	2669	2669
80°	0	3978	3978
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 20234 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.4	20.7
10°-20°	428.4	37.7
20°-30°	324.8	28.6
30°-40°	129.9	11.4
40°-50°	13.2	1.2
50°-60°	1.4	0.1
60°-70°	1.2	0.1
70°-80°	1.2	0.1
80°-90°	0.4	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°	988.6	87.0
0°-40°	1118.5	98.5
0°-60°	1133.0	99.8
0°-90°	1135.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1135.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2852	2852	2852	2852	2852	
5°	2426	2480	2622	2774	2849	203
15°	777	901	1352	2225	2691	222
25°	217	253	406	1161	1807	103
35°	46	57	101	307	593	31
45°	3	4	7	14	29	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2851.5	2851.5	2851.5	2851.5	2851.5
1°	2836.3	2837.7	2834.9	2839.1	2852.9
2°	2772.7	2793.5	2811.4	2829.4	2852.9
3°	2684.3	2709.1	2765.8	2822.5	2858.4
4°	2554.3	2605.5	2702.2	2805.9	2858.4
5°	2425.8	2479.7	2622.1	2774.1	2848.8
6°	2279.3	2356.7	2529.5	2743.7	2854.3
7°	2113.4	2208.8	2427.2	2724.4	2870.9
8°	1933.7	2041.5	2315.2	2682.9	2877.8
9°	1734.7	1866.0	2196.3	2633.1	2880.5
10°	1543.9	1682.2	2066.4	2576.5	2883.3
11°	1353.2	1496.9	1925.4	2521.2	2872.2
12°	1191.5	1328.3	1777.5	2463.1	2855.7
13°	1042.2	1174.9	1631.0	2394.0	2812.8
14°	904.0	1033.9	1490.0	2313.8	2756.1
15°	776.8	901.2	1351.8	2225.4	2691.2
16°	662.1	778.2	1219.1	2127.2	2619.3
17°	579.1	671.8	1094.7	2023.6	2548.8
18°	514.2	583.3	977.2	1921.3	2474.2
19°	456.1	511.4	868.0	1814.9	2391.2
20°	403.6	453.4	768.5	1704.3	2302.8
21°	359.4	402.2	675.9	1595.1	2212.9
22°	320.7	358.0	593.0	1487.3	2114.8
23°	284.7	317.9	522.5	1378.1	2016.7
24°	250.2	286.1	460.3	1267.5	1914.4
25°	217.0	252.9	406.4	1161.1	1806.6
26°	190.7	223.9	360.8	1057.4	1694.6
27°	164.5	199.0	320.7	957.9	1581.3
28°	143.8	175.5	284.7	862.5	1458.2
29°	124.4	154.8	251.6	768.5	1332.5
30°	110.6	134.1	221.2	680.1	1202.5
32.5°	76.0	89.8	154.8	478.2	877.7
35°	45.6	56.7	100.9	306.9	593.0
37.5°	24.9	30.4	58.1	183.8	373.2
40°	12.4	15.2	27.6	89.8	210.1
42.5°	5.5	6.9	12.4	34.6	89.8
45°	2.8	4.1	6.9	13.8	29.0
47.5°	1.4	2.8	2.8	5.5	8.3
50°	1.4	1.4	1.4	2.8	2.8
52.5°	1.4	1.4	1.4	2.8	2.8
55°	1.4	1.4	1.4	1.4	1.4
57.5°	0.0	1.4	1.4	1.4	1.4
60°	0.0	1.4	1.4	1.4	1.4
62.5°	0.0	1.4	1.4	1.4	1.4
65°	0.0	1.4	1.4	1.4	1.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.4	1.4	1.4	1.4
70°	0.0	1.4	1.4	1.4	1.4
72.5°	0.0	1.4	1.4	1.4	1.4
75°	0.0	1.4	1.4	1.4	1.4
77.5°	0.0	1.4	1.4	1.4	1.4
80°	0.0	0.0	1.4	1.4	1.4
82.5°	0.0	0.0	1.4	1.4	1.4
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)