

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: P1179196

Luminaire Tested: LDA2B158030R2060D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179196
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 2LBDC1MB
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

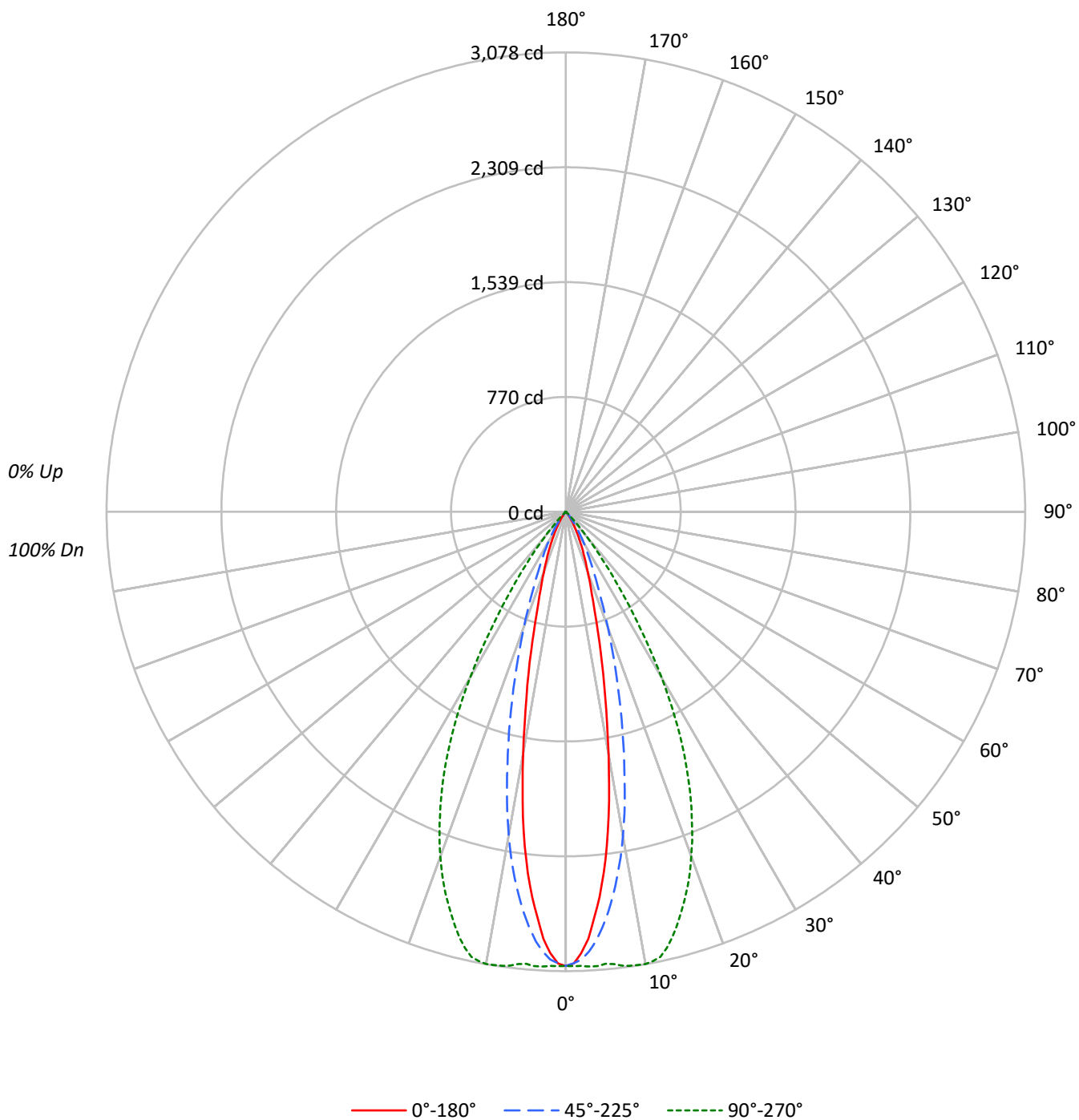
Lumens per Lamp: N/A
Luminaire Lumens: 1212.4 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	1501596	1501596	1501596
5°	1282292	1386046	1505896
10°	825603	1104945	1541794
15°	423476	736984	1467174
20°	226181	430678	1290458
25°	126075	236145	1049698
30°	67223	134503	731248
35°	29331	64866	381185
40°	8566	18999	144458
45°	2093	5163	21629
50°	1151	1151	2303
55°	1290	1290	1290
60°	0	1480	1480
65°	0	1751	1751
70°	0	2164	2164
75°	0	2859	2859
80°	0	4262	4262
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 21629 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.2	20.7
10°-20°	457.3	37.7
20°-30°	346.7	28.6
30°-40°	138.7	11.4
40°-50°	14.1	1.2
50°-60°	1.5	0.1
60°-70°	1.3	0.1
70°-80°	1.3	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°	1055.2	87.0
0°-40°	1193.9	98.5
0°-60°	1209.4	99.8
0°-90°	1212.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1212.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3044	3044	3044	3044	3044	
5°	2589	2647	2799	2961	3041	217
15°	829	962	1443	2375	2872	237
25°	232	270	434	1239	1928	110
35°	49	60	108	328	633	34
45°	3	4	7	15	31	3
55°	2	2	2	2	2	1
65°	0	2	2	2	2	0
75°	0	2	2	2	2	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°	3043.6	3043.6	3043.6	3043.6	3043.6
1°	3027.4	3028.9	3025.9	3030.4	3045.1
2°	2959.5	2981.7	3000.9	3020.0	3045.1
3°	2865.1	2891.7	2952.2	3012.7	3051.0
4°	2726.4	2781.0	2884.3	2995.0	3051.0
5°	2589.2	2646.8	2798.7	2961.0	3040.7
6°	2432.9	2515.5	2699.9	2928.6	3046.6
7°	2255.8	2357.6	2590.7	2907.9	3064.3
8°	2064.0	2179.1	2471.2	2863.7	3071.7
9°	1851.6	1991.7	2344.3	2810.5	3074.6
10°	1648.0	1795.5	2205.6	2750.1	3077.6
11°	1444.4	1597.8	2055.2	2691.0	3065.8
12°	1271.8	1417.8	1897.3	2629.1	3048.1
13°	1112.4	1254.0	1740.9	2555.3	3002.3
14°	964.9	1103.6	1590.4	2469.7	2941.8
15°	829.1	961.9	1442.9	2375.3	2872.5
16°	706.7	830.6	1301.3	2270.6	2795.8
17°	618.2	717.0	1168.5	2159.9	2720.5
18°	548.8	622.6	1043.1	2050.7	2640.9
19°	486.9	545.9	926.5	1937.1	2552.4
20°	430.8	483.9	820.3	1819.1	2457.9
21°	383.6	429.3	721.4	1702.6	2362.0
22°	342.3	382.1	632.9	1587.5	2257.3
23°	303.9	339.3	557.7	1470.9	2152.5
24°	267.0	305.4	491.3	1352.9	2043.4
25°	231.6	270.0	433.8	1239.3	1928.3
26°	203.6	239.0	385.1	1128.6	1808.8
27°	175.6	212.5	342.3	1022.4	1687.8
28°	153.4	187.4	303.9	920.6	1556.5
29°	132.8	165.2	268.5	820.3	1422.2
30°	118.0	143.1	236.1	725.9	1283.6
32.5°	81.1	95.9	165.2	510.5	936.8
35°	48.7	60.5	107.7	327.5	632.9
37.5°	26.6	32.5	62.0	196.2	398.3
40°	13.3	16.2	29.5	95.9	224.3
42.5°	5.9	7.4	13.3	36.9	95.9
45°	3.0	4.4	7.4	14.8	31.0
47.5°	1.5	3.0	3.0	5.9	8.9
50°	1.5	1.5	1.5	3.0	3.0
52.5°	1.5	1.5	1.5	3.0	3.0
55°	1.5	1.5	1.5	1.5	1.5
57.5°	0.0	1.5	1.5	1.5	1.5
60°	0.0	1.5	1.5	1.5	1.5
62.5°	0.0	1.5	1.5	1.5	1.5
65°	0.0	1.5	1.5	1.5	1.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.5	1.5	1.5	1.5
70°	0.0	1.5	1.5	1.5	1.5
72.5°	0.0	1.5	1.5	1.5	1.5
75°	0.0	1.5	1.5	1.5	1.5
77.5°	0.0	1.5	1.5	1.5	1.5
80°	0.0	0.0	1.5	1.5	1.5
82.5°	0.0	0.0	1.5	1.5	1.5
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)