

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: P1179423

Luminaire Tested: LDA2B159030R2060D010 2LBD1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179423
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: LDA2B159030R2060D010 2LBD1MW
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

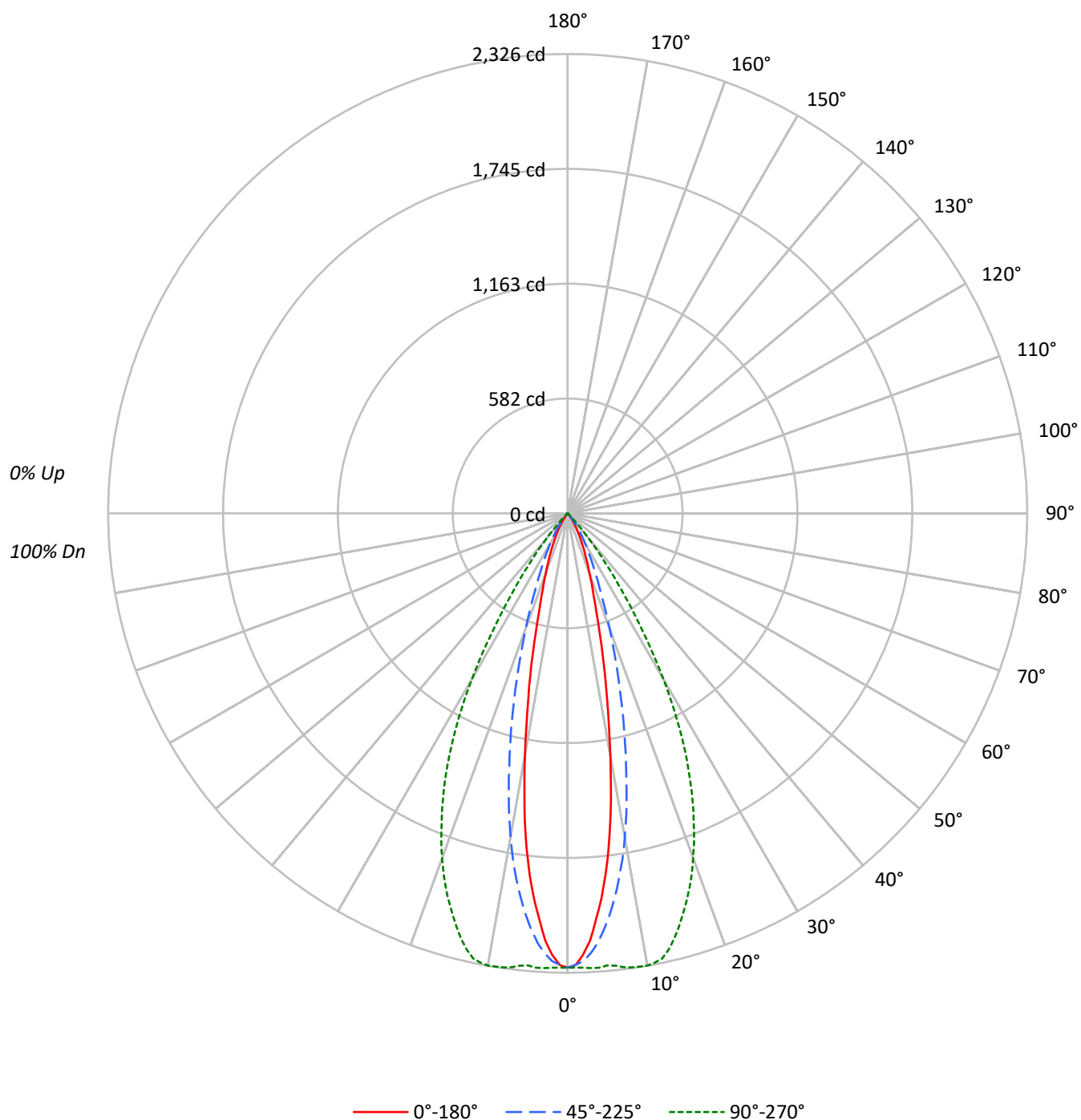
Lumens per Lamp: N/A
Luminaire Lumens: 916.1 lumens
Efficiency: N/A
Efficacy: 65.0 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1134781	1134781	1134781
5°	969049	1047446	1137977
10°	623911	835021	1165112
15°	320046	556939	1108719
20°	170948	325463	975181
25°	95264	178443	793248
30°	50816	101632	552595
35°	22164	49026	288072
40°	6440	14362	109164
45°	1535	3907	16327
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: 16327 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.8	20.7
10°-20°	345.6	37.7
20°-30°	262.0	28.6
30°-40°	104.8	11.4
40°-50°	10.6	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°	797.4	87.0
0°-40°	902.2	98.5
0°-60°	913.9	99.8
0°-90°	916.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	916.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2300	2300	2300	2300	2300	
5°	1957	2000	2115	2238	2298	164
15°	627	727	1090	1795	2171	179
25°	175	204	328	936	1457	83
35°	37	46	81	248	478	25
45°	2	3	6	11	23	2
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°	2300.1	2300.1	2300.1	2300.1	2300.1
1°	2287.8	2288.9	2286.7	2290.0	2301.2
2°	2236.5	2253.2	2267.7	2282.2	2301.2
3°	2165.2	2185.2	2230.9	2276.6	2305.6
4°	2060.4	2101.6	2179.6	2263.3	2305.6
5°	1956.7	2000.1	2115.0	2237.6	2297.8
6°	1838.5	1900.9	2040.3	2213.1	2302.3
7°	1704.7	1781.6	1957.8	2197.5	2315.7
8°	1559.8	1646.7	1867.5	2164.0	2321.2
9°	1399.2	1505.1	1771.6	2123.9	2323.5
10°	1245.4	1356.8	1666.8	2078.2	2325.7
11°	1091.5	1207.4	1553.1	2033.6	2316.8
12°	961.1	1071.4	1433.8	1986.8	2303.4
13°	840.6	947.7	1315.6	1931.0	2268.8
14°	729.2	834.0	1201.9	1866.4	2223.1
15°	626.6	726.9	1090.4	1795.0	2170.7
16°	534.0	627.7	983.3	1715.8	2112.8
17°	467.1	541.8	883.0	1632.2	2055.9
18°	414.7	470.5	788.2	1549.7	1995.7
19°	367.9	412.5	700.2	1463.9	1928.8
20°	325.6	365.7	619.9	1374.7	1857.4
21°	289.9	324.4	545.2	1286.6	1785.0
22°	258.7	288.8	478.3	1199.6	1705.8
23°	229.7	256.4	421.4	1111.6	1626.7
24°	201.8	230.8	371.3	1022.4	1544.1
25°	175.0	204.0	327.8	936.5	1457.2
26°	153.9	180.6	291.0	852.9	1366.9
27°	132.7	160.5	258.7	772.6	1275.5
28°	116.0	141.6	229.7	695.7	1176.2
29°	100.3	124.9	202.9	619.9	1074.8
30°	89.2	108.1	178.4	548.5	970.0
32.5°	61.3	72.5	124.9	385.8	708.0
35°	36.8	45.7	81.4	247.5	478.3
37.5°	20.1	24.5	46.8	148.3	301.0
40°	10.0	12.3	22.3	72.5	169.5
42.5°	4.5	5.6	10.0	27.9	72.5
45°	2.2	3.3	5.6	11.1	23.4
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)