

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: P1179618

Luminaire Tested: LDA2B159730R2060D010 2LBD1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179618
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: LDA2B159730R2060D010 2LBD1MW
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

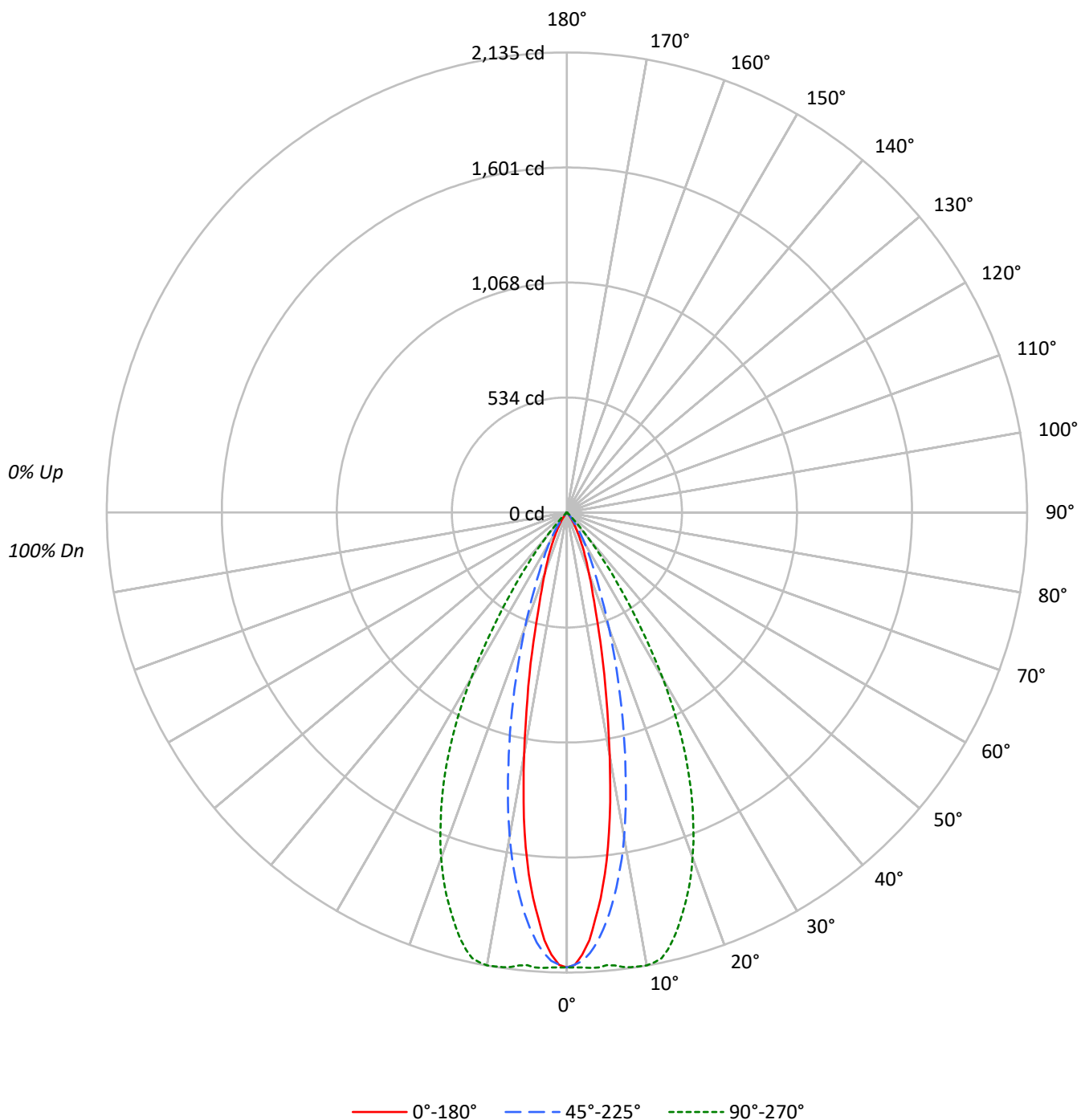
Lumens per Lamp: N/A
Luminaire Lumens: 840.8 lumens
Efficiency: N/A
Efficacy: 59.6 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	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°	1041585	1041585	1041585
5°	889462	961422	1044524
10°	572662	766438	1069426
15°	293741	511174	1017701
20°	156877	298739	895115
25°	87479	163799	728088
30°	46657	93257	507191
35°	20357	44991	264402
40°	5925	13203	100212
45°	1395	3558	15001
50°	768	768	1535
55°	860	860	860
60°	0	987	987
65°	0	1167	1167
70°	0	1442	1442
75°	0	1906	1906
80°	0	2841	2841
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 15001 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.2	20.7
10°-20°	317.2	37.7
20°-30°	240.5	28.6
30°-40°	96.2	11.4
40°-50°	9.8	1.2
50°-60°	1.0	0.1
60°-70°	0.9	0.1
70°-80°	0.9	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°	731.9	87.0
0°-40°	828.1	98.5
0°-60°	838.8	99.8
0°-90°	840.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	840.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2111	2111	2111	2111	2111	
5°	1796	1836	1941	2054	2109	150
15°	575	667	1001	1648	1992	165
25°	161	187	301	860	1338	76
35°	34	42	75	227	439	23
45°	2	3	5	10	22	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°	2111.2	2111.2	2111.2	2111.2	2111.2
1°	2099.9	2100.9	2098.9	2102.0	2112.2
2°	2052.9	2068.2	2081.5	2094.8	2112.2
3°	1987.4	2005.8	2047.7	2089.7	2116.3
4°	1891.2	1929.0	2000.7	2077.4	2116.3
5°	1796.0	1835.9	1941.3	2053.9	2109.1
6°	1687.5	1744.8	1872.7	2031.4	2113.2
7°	1564.7	1635.3	1797.0	2017.0	2125.5
8°	1431.7	1511.5	1714.1	1986.3	2130.6
9°	1284.3	1381.5	1626.1	1949.5	2132.7
10°	1143.1	1245.4	1529.9	1907.5	2134.7
11°	1001.9	1108.3	1425.5	1866.6	2126.5
12°	882.1	983.4	1316.0	1823.6	2114.3
13°	771.6	869.9	1207.6	1772.5	2082.5
14°	669.3	765.5	1103.2	1713.1	2040.6
15°	575.1	667.2	1000.8	1647.6	1992.5
16°	490.2	576.1	902.6	1574.9	1939.3
17°	428.8	497.4	810.5	1498.2	1887.1
18°	380.7	431.9	723.5	1422.5	1831.8
19°	337.7	378.6	642.7	1343.7	1770.4
20°	298.8	335.7	569.0	1261.8	1704.9
21°	266.1	297.8	500.4	1181.0	1638.4
22°	237.4	265.0	439.0	1101.1	1565.7
23°	210.8	235.4	386.8	1020.3	1493.1
24°	185.2	211.8	340.8	938.4	1417.3
25°	160.7	187.3	300.9	859.6	1337.5
26°	141.2	165.8	267.1	782.9	1254.6
27°	121.8	147.4	237.4	709.2	1170.7
28°	106.4	130.0	210.8	638.6	1079.6
29°	92.1	114.6	186.3	569.0	986.5
30°	81.9	99.3	163.7	503.5	890.3
32.5°	56.3	66.5	114.6	354.1	649.8
35°	33.8	42.0	74.7	227.2	439.0
37.5°	18.4	22.5	43.0	136.1	276.3
40°	9.2	11.3	20.5	66.5	155.6
42.5°	4.1	5.1	9.2	25.6	66.5
45°	2.0	3.1	5.1	10.2	21.5
47.5°	1.0	2.0	2.0	4.1	6.1
50°	1.0	1.0	1.0	2.0	2.0
52.5°	1.0	1.0	1.0	2.0	2.0
55°	1.0	1.0	1.0	1.0	1.0
57.5°	0.0	1.0	1.0	1.0	1.0
60°	0.0	1.0	1.0	1.0	1.0
62.5°	0.0	1.0	1.0	1.0	1.0
65°	0.0	1.0	1.0	1.0	1.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.0	1.0	1.0	1.0
70°	0.0	1.0	1.0	1.0	1.0
72.5°	0.0	1.0	1.0	1.0	1.0
75°	0.0	1.0	1.0	1.0	1.0
77.5°	0.0	1.0	1.0	1.0	1.0
80°	0.0	0.0	1.0	1.0	1.0
82.5°	0.0	0.0	1.0	1.0	1.0
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)