

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: P1179623

Luminaire Tested: LDA2B159730R2060D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179623
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 2LBDC1MMS
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

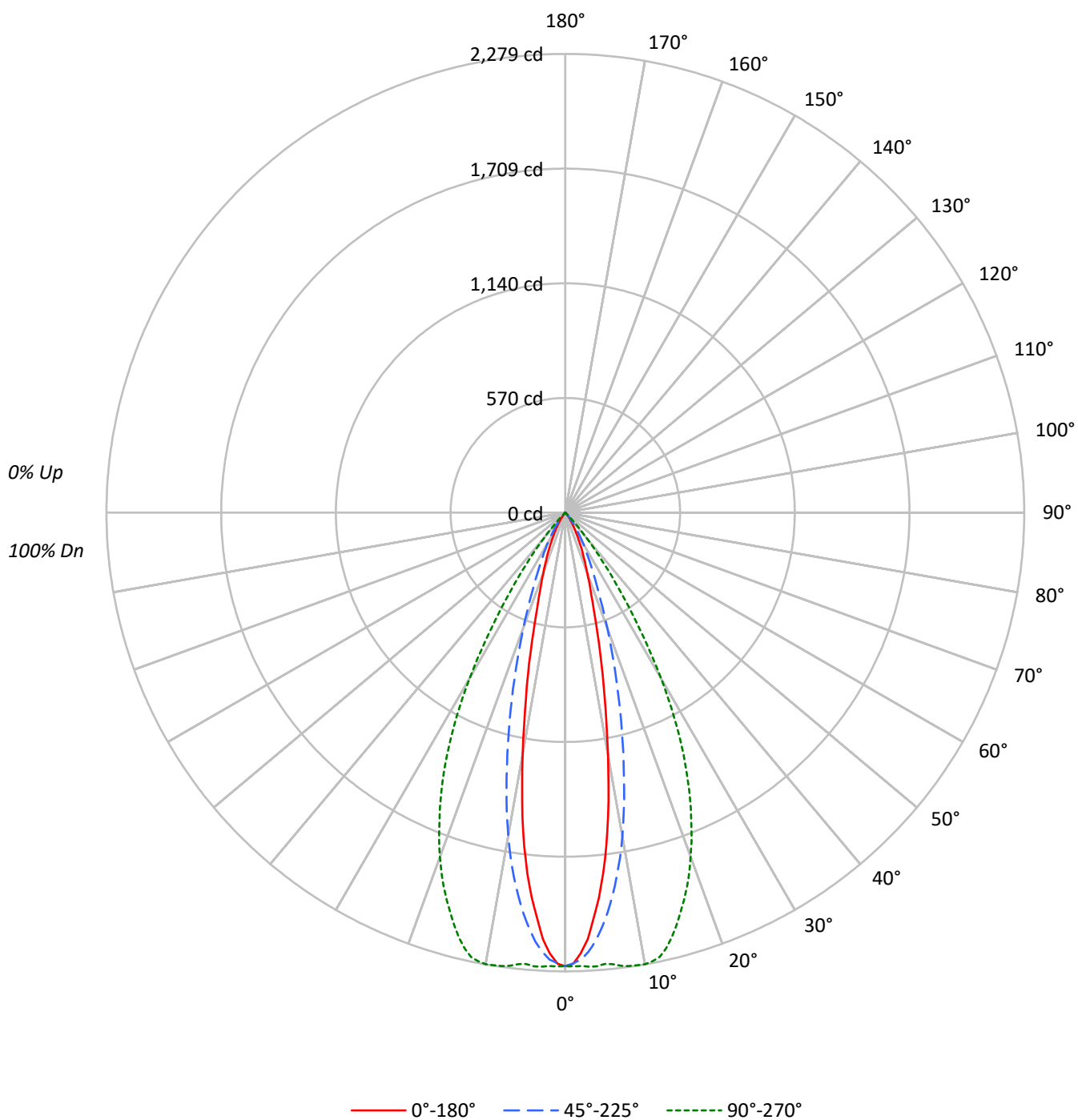
Lumens per Lamp: N/A
Luminaire Lumens: 897.6 lumens
Efficiency: N/A
Efficacy: 63.7 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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					0
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°	1111741	1111741	1111741
5°	949387	1026200	1114899
10°	611237	818088	1141516
15°	313559	545651	1086245
20°	167483	318847	955440
25°	93359	174795	777135
30°	49790	99581	541372
35°	21682	48002	282230
40°	6312	14040	106910
45°	1535	3837	15978
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: 15978 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.0	20.7
10°-20°	338.6	37.7
20°-30°	256.7	28.6
30°-40°	102.7	11.4
40°-50°	10.4	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°	781.2	87.0
0°-40°	883.9	98.5
0°-60°	895.4	99.8
0°-90°	897.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	897.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2253	2253	2253	2253	2253	
5°	1917	1960	2072	2192	2251	161
15°	614	712	1068	1759	2127	176
25°	172	200	321	918	1428	81
35°	36	45	80	242	469	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°	2253.4	2253.4	2253.4	2253.4	2253.4
1°	2241.4	2242.5	2240.3	2243.6	2254.5
2°	2191.2	2207.6	2221.8	2236.0	2254.5
3°	2121.3	2140.9	2185.7	2230.5	2258.9
4°	2018.6	2059.0	2135.5	2217.4	2258.9
5°	1917.0	1959.6	2072.1	2192.3	2251.2
6°	1801.2	1862.4	1998.9	2168.2	2255.6
7°	1670.1	1745.5	1918.1	2152.9	2268.7
8°	1528.1	1613.3	1829.6	2120.2	2274.2
9°	1370.8	1474.6	1735.7	2080.8	2276.4
10°	1220.1	1329.3	1633.0	2036.1	2278.6
11°	1069.4	1183.0	1521.6	1992.4	2269.8
12°	941.6	1049.7	1404.7	1946.5	2256.7
13°	823.6	928.5	1288.9	1891.9	2222.8
14°	714.4	817.0	1177.5	1828.5	2178.1
15°	613.9	712.2	1068.3	1758.6	2126.7
16°	523.2	615.0	963.4	1681.1	2069.9
17°	457.7	530.9	865.1	1599.1	2014.2
18°	406.3	461.0	772.3	1518.3	1955.2
19°	360.5	404.2	686.0	1434.2	1889.7
20°	319.0	358.3	607.3	1346.8	1819.8
21°	284.0	317.9	534.1	1260.5	1748.8
22°	253.4	282.9	468.6	1175.3	1671.2
23°	225.0	251.2	412.9	1089.0	1593.7
24°	197.7	226.1	363.7	1001.6	1512.8
25°	171.5	199.9	321.1	917.5	1427.6
26°	150.7	177.0	285.1	835.6	1339.2
27°	130.0	157.3	253.4	757.0	1249.6
28°	113.6	138.7	225.0	681.6	1152.4
29°	98.3	122.3	198.8	607.3	1053.0
30°	87.4	106.0	174.8	537.4	950.3
32.5°	60.1	71.0	122.3	377.9	693.6
35°	36.0	44.8	79.7	242.5	468.6
37.5°	19.7	24.0	45.9	145.3	294.9
40°	9.8	12.0	21.8	71.0	166.0
42.5°	4.4	5.5	9.8	27.3	71.0
45°	2.2	3.3	5.5	10.9	22.9
47.5°	1.1	2.2	2.2	4.4	6.6
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)