

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: P1179225

Luminaire Tested: LDA2B158035R2060D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179225
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: LDA2B158035R2060D010 2LBD1LI
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

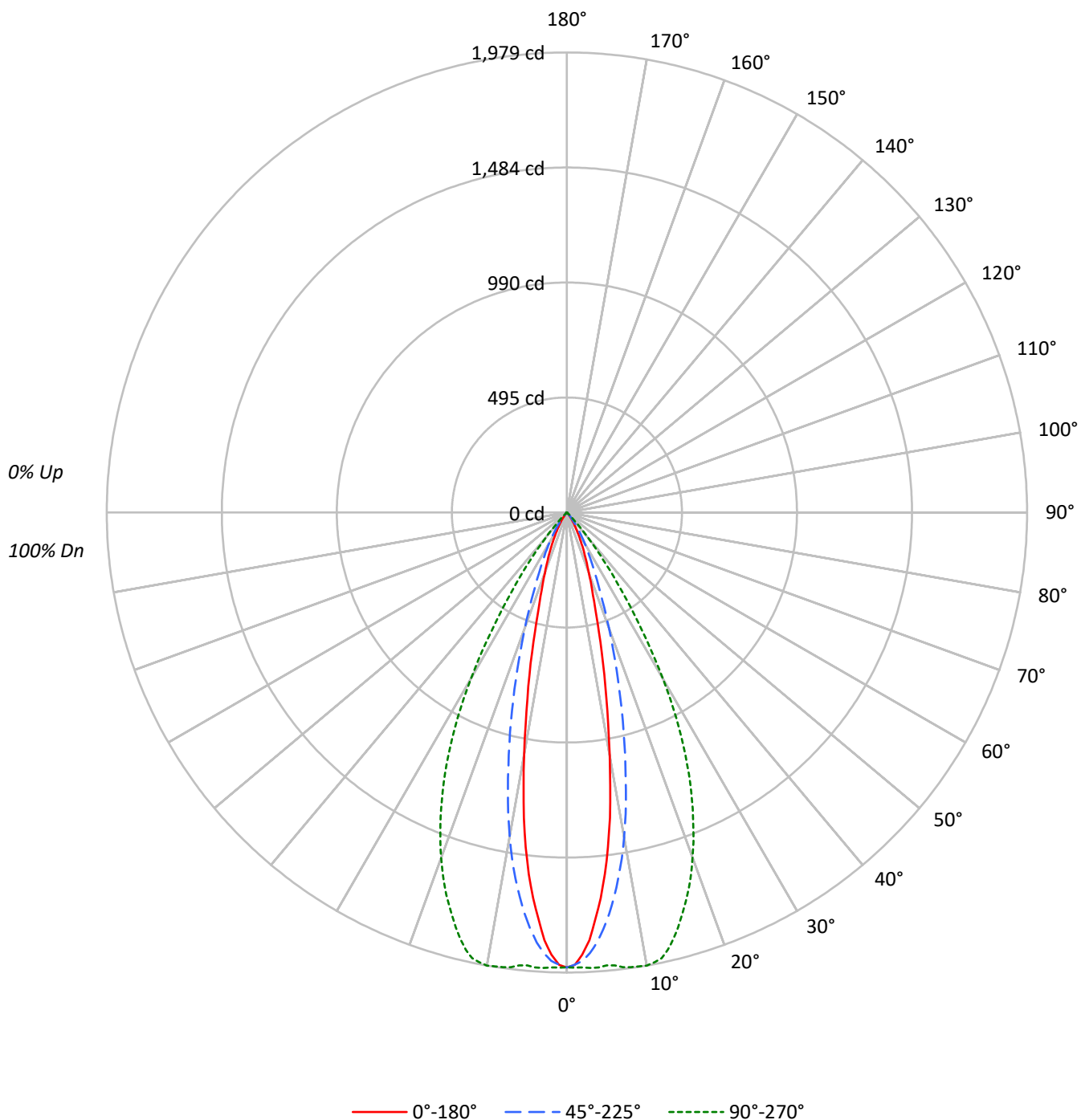
Lumens per Lamp: N/A
Luminaire Lumens: 779.5 lumens
Efficiency: N/A
Efficacy: 55.3 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	965608	965608	965608
5°	824585	891295	968355
10°	530881	710530	991425
15°	272340	473939	943486
20°	145432	276951	829854
25°	81056	151823	675012
30°	43239	86478	470218
35°	18851	41738	245129
40°	5474	12237	92870
45°	1326	3279	13885
50°	691	691	1458
55°	774	774	774
60°	0	888	888
65°	0	1051	1051
70°	0	1298	1298
75°	0	1716	1716
80°	0	2557	2557
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 13885 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.5	20.7
10°-20°	294.1	37.7
20°-30°	222.9	28.6
30°-40°	89.2	11.4
40°-50°	9.0	1.2
50°-60°	0.9	0.1
60°-70°	0.8	0.1
70°-80°	0.8	0.1
80°-90°	0.2	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°	678.5	87.1
0°-40°	767.7	98.5
0°-60°	777.6	99.8
0°-90°	779.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	779.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1957	1957	1957	1957	1957	
5°	1665	1702	1800	1904	1955	139
15°	533	619	928	1527	1847	153
25°	149	174	279	797	1240	71
35°	31	39	69	211	407	22
45°	2	3	5	10	20	2
55°	1	1	1	1	1	0
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°	1957.2	1957.2	1957.2	1957.2	1957.2
1°	1946.8	1947.7	1945.8	1948.7	1958.2
2°	1903.1	1917.4	1929.7	1942.0	1958.2
3°	1842.4	1859.5	1898.4	1937.3	1962.0
4°	1753.2	1788.3	1854.8	1925.9	1962.0
5°	1665.0	1702.0	1799.7	1904.1	1955.3
6°	1564.4	1617.6	1736.2	1883.2	1959.1
7°	1450.6	1516.1	1666.0	1869.9	1970.5
8°	1327.3	1401.3	1589.1	1841.5	1975.2
9°	1190.6	1280.8	1507.5	1807.3	1977.1
10°	1059.7	1154.6	1418.3	1768.4	1979.0
11°	928.8	1027.5	1321.6	1730.5	1971.4
12°	817.8	911.7	1220.1	1690.6	1960.1
13°	715.3	806.4	1119.5	1643.2	1930.7
14°	620.5	709.6	1022.7	1588.2	1891.8
15°	533.2	618.6	927.9	1527.4	1847.2
16°	454.4	534.1	836.8	1460.1	1797.8
17°	397.5	461.1	751.4	1388.9	1749.4
18°	352.9	400.4	670.7	1318.7	1698.2
19°	313.1	351.0	595.8	1245.7	1641.3
20°	277.0	311.2	527.5	1169.8	1580.6
21°	246.7	276.1	463.9	1094.8	1518.9
22°	220.1	245.7	407.0	1020.8	1451.5
23°	195.4	218.2	358.6	945.9	1384.2
24°	171.7	196.4	315.9	870.0	1314.0
25°	148.9	173.6	278.9	796.9	1240.0
26°	130.9	153.7	247.6	725.8	1163.1
27°	112.9	136.6	220.1	657.5	1085.3
28°	98.7	120.5	195.4	592.0	1000.9
29°	85.4	106.3	172.7	527.5	914.6
30°	75.9	92.0	151.8	466.8	825.4
32.5°	52.2	61.7	106.3	328.3	602.4
35°	31.3	38.9	69.3	210.6	407.0
37.5°	17.1	20.9	39.8	126.2	256.2
40°	8.5	10.4	19.0	61.7	144.2
42.5°	3.8	4.7	8.5	23.7	61.7
45°	1.9	2.8	4.7	9.5	19.9
47.5°	0.9	1.9	1.9	3.8	5.7
50°	0.9	0.9	0.9	1.9	1.9
52.5°	0.9	0.9	0.9	1.9	1.9
55°	0.9	0.9	0.9	0.9	0.9
57.5°	0.0	0.9	0.9	0.9	0.9
60°	0.0	0.9	0.9	0.9	0.9
62.5°	0.0	0.9	0.9	0.9	0.9
65°	0.0	0.9	0.9	0.9	0.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	0.9	0.9	0.9	0.9
70°	0.0	0.9	0.9	0.9	0.9
72.5°	0.0	0.9	0.9	0.9	0.9
75°	0.0	0.9	0.9	0.9	0.9
77.5°	0.0	0.9	0.9	0.9	0.9
80°	0.0	0.0	0.9	0.9	0.9
82.5°	0.0	0.0	0.9	0.9	0.9
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)