

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: P1179198

Luminaire Tested: LDA2B158030R2060D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179198
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 2LBDC1MW
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

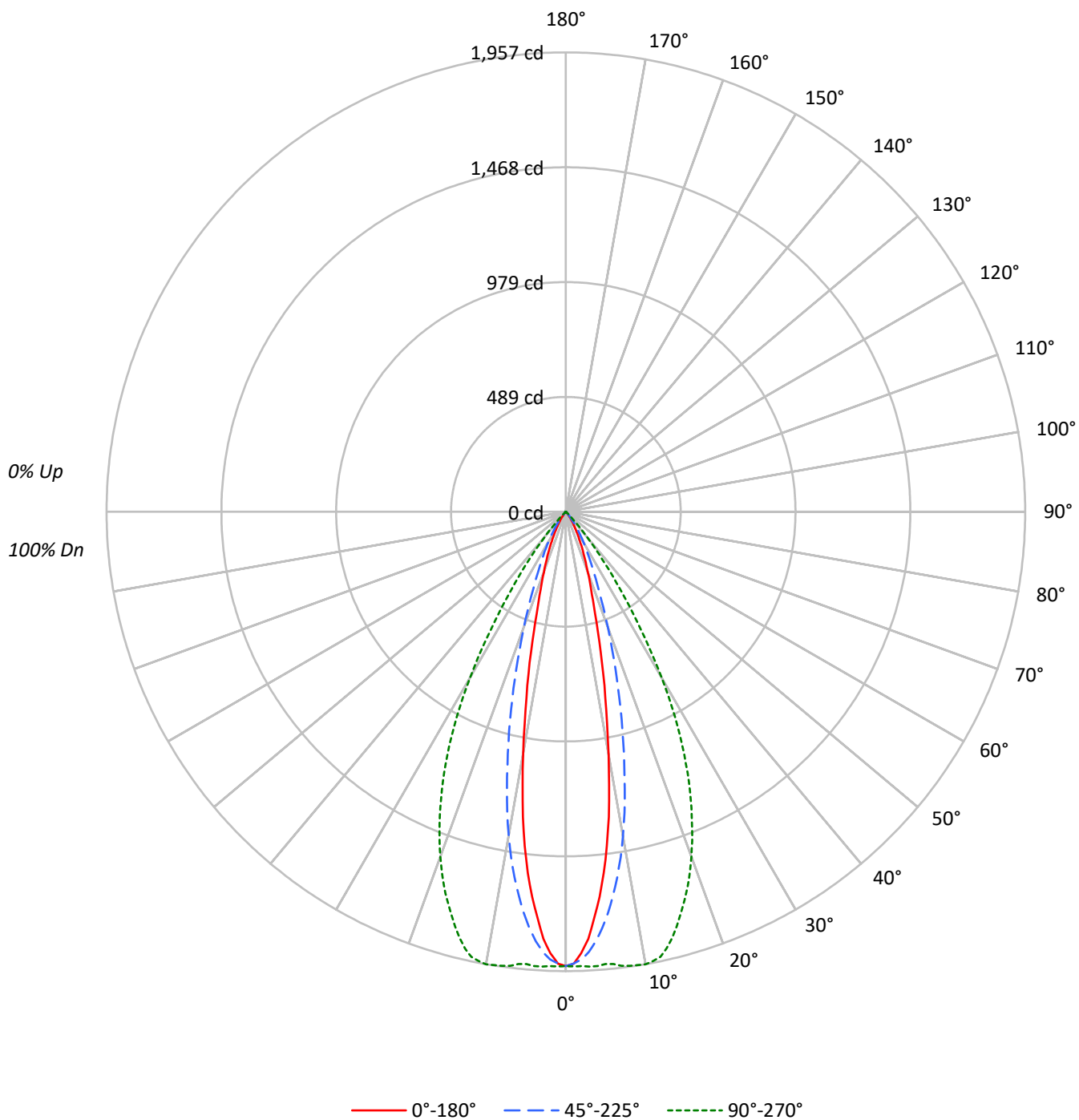
Lumens per Lamp: N/A
Luminaire Lumens: 770.9 lumens
Efficiency: N/A
Efficacy: 54.7 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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				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		83	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°	955000	955000	955000
5°	815522	881539	957757
10°	525069	702764	980554
15°	269327	468730	933118
20°	143857	273905	820719
25°	80185	150190	667609
30°	42783	85510	465034
35°	18671	41256	242419
40°	5410	12108	91840
45°	1326	3279	13745
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: 13745 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.8	20.7
10°-20°	290.8	37.7
20°-30°	220.5	28.6
30°-40°	88.2	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°	671.1	87.0
0°-40°	759.3	98.5
0°-60°	769.1	99.8
0°-90°	770.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	770.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1936	1936	1936	1936	1936	
5°	1647	1683	1780	1883	1934	138
15°	527	612	918	1511	1827	151
25°	147	172	276	788	1226	70
35°	31	38	68	208	402	21
45°	2	3	5	9	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°	1935.7	1935.7	1935.7	1935.7	1935.7
1°	1925.4	1926.4	1924.5	1927.3	1936.7
2°	1882.3	1896.3	1908.5	1920.7	1936.7
3°	1822.2	1839.1	1877.6	1916.0	1940.4
4°	1734.0	1768.7	1834.4	1904.8	1940.4
5°	1646.7	1683.3	1780.0	1883.2	1933.9
6°	1547.3	1599.8	1717.1	1862.5	1937.6
7°	1434.7	1499.4	1647.7	1849.4	1948.9
8°	1312.7	1385.9	1571.7	1821.3	1953.6
9°	1177.6	1266.7	1491.0	1787.5	1955.4
10°	1048.1	1141.9	1402.8	1749.0	1957.3
11°	918.6	1016.2	1307.1	1711.5	1949.8
12°	808.8	901.7	1206.7	1672.1	1938.6
13°	707.5	797.6	1107.2	1625.2	1909.5
14°	613.7	701.9	1011.5	1570.7	1871.0
15°	527.3	611.8	917.7	1510.7	1826.9
16°	449.5	528.3	827.6	1444.1	1778.1
17°	393.2	456.0	743.1	1373.7	1730.2
18°	349.1	396.0	663.4	1304.3	1679.6
19°	309.6	347.2	589.3	1232.0	1623.3
20°	274.0	307.8	521.7	1156.9	1563.2
21°	244.0	273.0	458.8	1082.8	1502.2
22°	217.7	243.0	402.5	1009.6	1435.6
23°	193.3	215.8	354.7	935.5	1369.0
24°	169.8	194.2	312.5	860.4	1299.6
25°	147.3	171.7	275.9	788.2	1226.4
26°	129.5	152.0	244.9	717.8	1150.4
27°	111.7	135.1	217.7	650.3	1073.4
28°	97.6	119.2	193.3	585.5	989.9
29°	84.4	105.1	170.8	521.7	904.5
30°	75.1	91.0	150.1	461.6	816.3
32.5°	51.6	61.0	105.1	324.7	595.8
35°	31.0	38.5	68.5	208.3	402.5
37.5°	16.9	20.6	39.4	124.8	253.3
40°	8.4	10.3	18.8	61.0	142.6
42.5°	3.8	4.7	8.4	23.5	61.0
45°	1.9	2.8	4.7	9.4	19.7
47.5°	0.9	1.9	1.9	3.8	5.6
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)