

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: P1179159

Luminaire Tested: LDA2B158027R2060D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179159
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: LDA2B158027R2060D010 2LBDC1MW
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

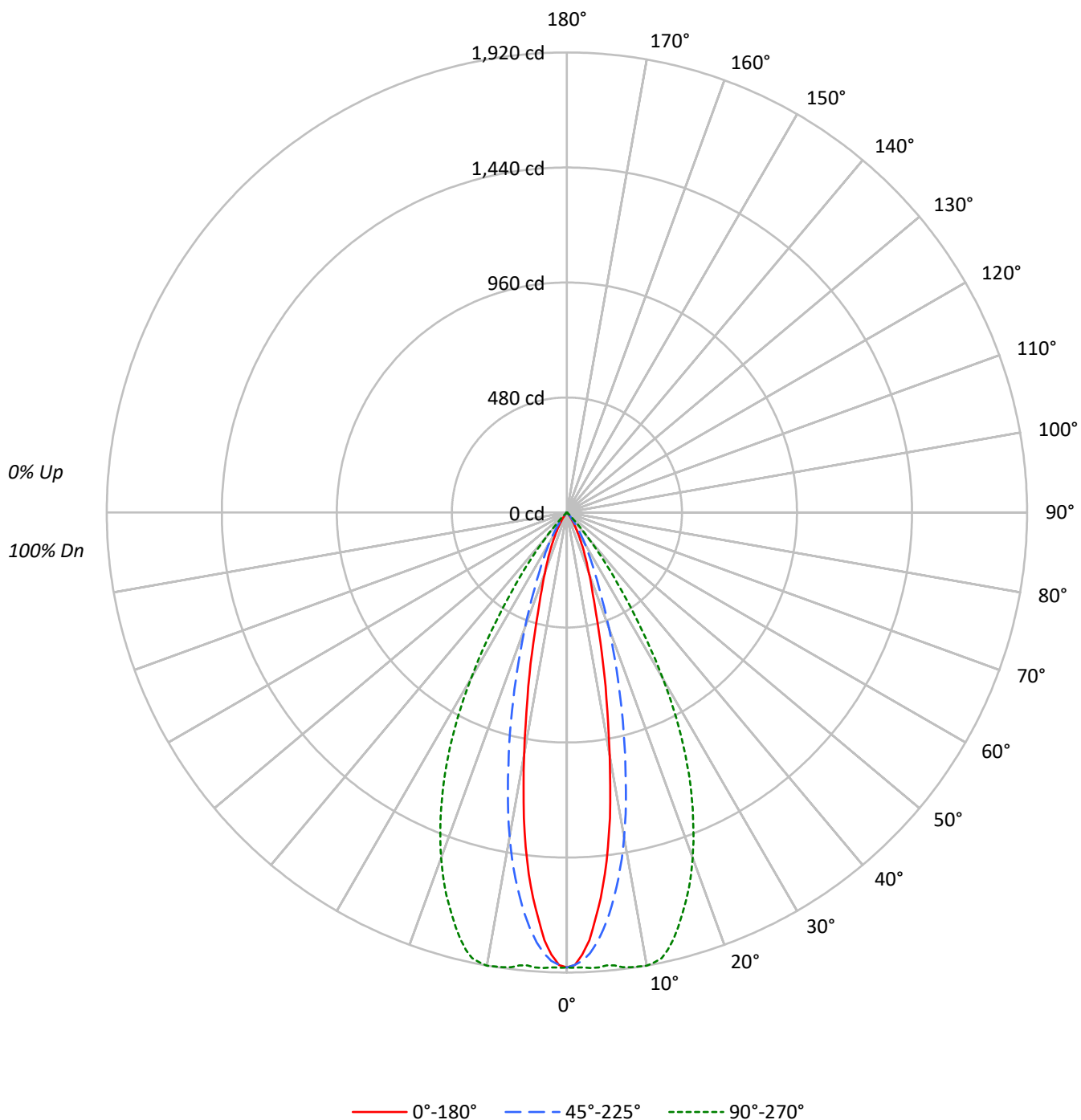
Lumens per Lamp: N/A
Luminaire Lumens: 756.4 lumens
Efficiency: N/A
Efficacy: 53.6 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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
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°	936943	936943	936943
5°	800120	864849	939631
10°	515150	689439	962018
15°	264270	459842	915445
20°	141127	268708	805230
25°	78661	147305	654979
30°	41929	83915	456261
35°	18309	40473	237842
40°	5346	11850	90101
45°	1256	3210	13466
50°	691	691	1382
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: 13466 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.7	20.7
10°-20°	285.3	37.7
20°-30°	216.3	28.6
30°-40°	86.5	11.4
40°-50°	8.8	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°	658.4	87.0
0°-40°	744.9	98.5
0°-60°	754.6	99.8
0°-90°	756.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	756.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1899	1899	1899	1899	1899	
5°	1616	1652	1746	1848	1897	135
15°	517	600	900	1482	1792	148
25°	144	168	271	773	1203	68
35°	30	38	67	204	395	21
45°	2	3	5	9	19	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°	1899.1	1899.1	1899.1	1899.1	1899.1
1°	1889.0	1889.9	1888.1	1890.8	1900.0
2°	1846.7	1860.5	1872.4	1884.4	1900.0
3°	1787.7	1804.3	1842.0	1879.8	1903.7
4°	1701.2	1735.3	1799.7	1868.7	1903.7
5°	1615.6	1651.5	1746.3	1847.6	1897.3
6°	1518.0	1569.6	1684.6	1827.3	1901.0
7°	1407.5	1471.1	1616.5	1814.4	1912.0
8°	1287.9	1359.7	1541.9	1786.8	1916.6
9°	1155.3	1242.8	1462.8	1753.7	1918.5
10°	1028.3	1120.3	1376.2	1715.9	1920.3
11°	901.2	997.0	1282.3	1679.1	1912.9
12°	793.5	884.7	1183.8	1640.4	1901.9
13°	694.1	782.5	1086.3	1594.4	1873.3
14°	602.0	688.6	992.4	1541.0	1835.6
15°	517.4	600.2	900.3	1482.1	1792.3
16°	440.9	518.3	811.9	1416.7	1744.5
17°	385.7	447.4	729.1	1347.7	1697.5
18°	342.4	388.5	650.8	1279.6	1647.8
19°	303.8	340.6	578.1	1208.7	1592.6
20°	268.8	301.9	511.8	1135.1	1533.7
21°	239.3	267.9	450.2	1062.3	1473.8
22°	213.6	238.4	394.9	990.5	1408.5
23°	189.6	211.7	348.0	917.8	1343.1
24°	166.6	190.6	306.5	844.2	1275.0
25°	144.5	168.5	270.6	773.3	1203.2
26°	127.0	149.1	240.3	704.2	1128.6
27°	109.5	132.6	213.6	638.0	1053.1
28°	95.7	116.9	189.6	574.4	971.2
29°	82.9	103.1	167.5	511.8	887.4
30°	73.6	89.3	147.3	452.9	800.9
32.5°	50.6	59.8	103.1	318.5	584.6
35°	30.4	37.7	67.2	204.4	394.9
37.5°	16.6	20.3	38.7	122.4	248.6
40°	8.3	10.1	18.4	59.8	139.9
42.5°	3.7	4.6	8.3	23.0	59.8
45°	1.8	2.8	4.6	9.2	19.3
47.5°	0.9	1.8	1.8	3.7	5.5
50°	0.9	0.9	0.9	1.8	1.8
52.5°	0.9	0.9	0.9	1.8	1.8
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)