

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: P1179388

Luminaire Tested: LDA2B159027R2060D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179388
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: LDA2B159027R2060D010 2LBDC1MB
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

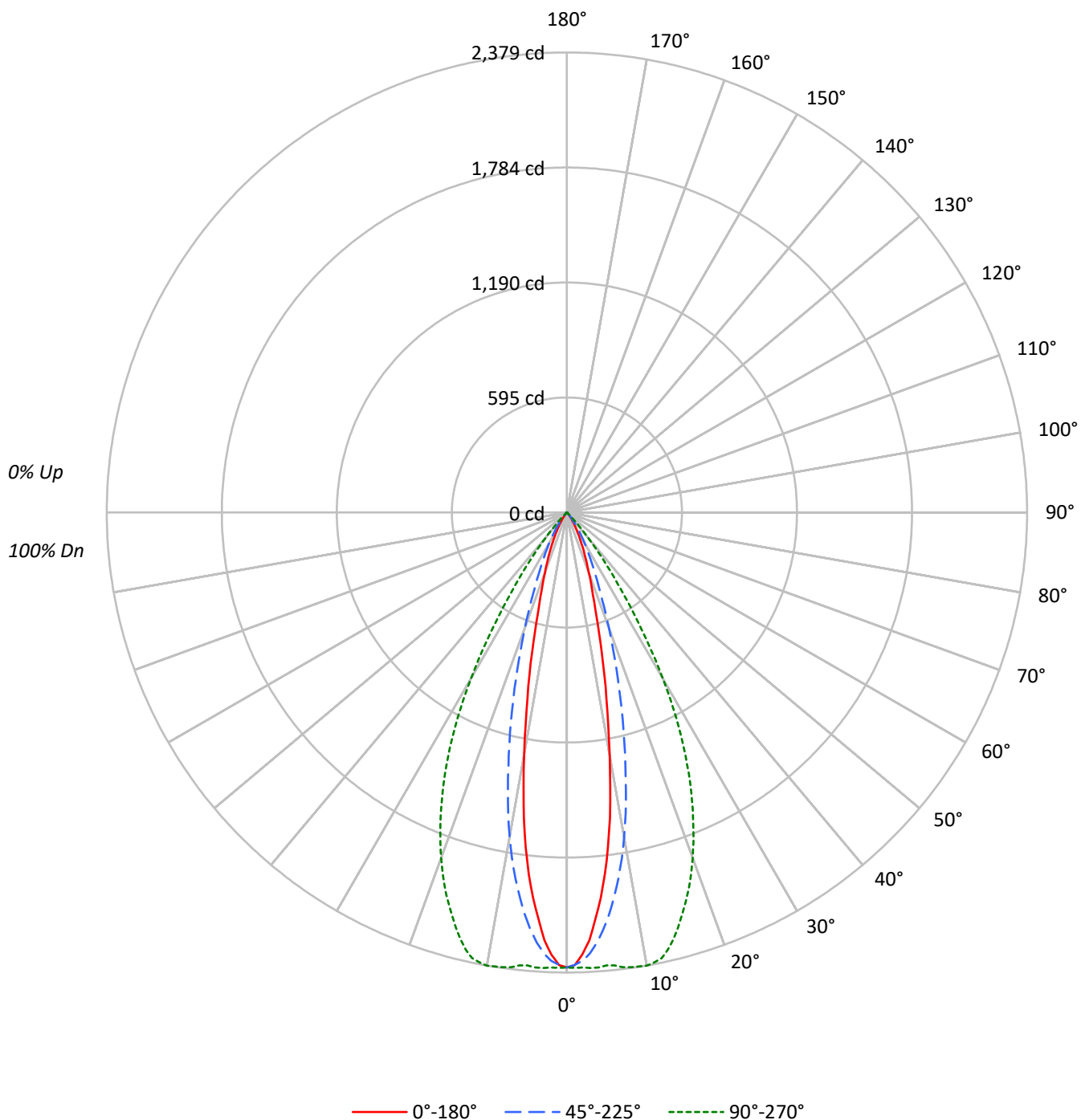
Lumens per Lamp: N/A
Luminaire Lumens: 937.2 lumens
Efficiency: N/A
Efficacy: 66.5 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95	93	92	90
3	105	100	96	92	103	99	95	92	96	93	90		94	91	89		91	89	87	86
4	101	95	90	87	99	94	89	86	92	88	85		90	87	84		88	85	83	82
5	97	90	85	82	96	89	85	81	88	84	81		86	83	80		85	82	79	78
6	93	86	81	77	92	85	81	77	84	80	77		83	79	76		81	78	76	74
7	90	82	77	74	89	81	77	73	80	76	73		79	75	73		78	75	72	71
8	86	79	74	70	85	78	73	70	77	73	70		76	72	69		75	72	69	68
9	83	75	70	67	82	75	70	67	74	70	67		73	69	66		72	69	66	65
10	80	72	67	64	79	72	67	64	71	67	64		70	66	64		70	66	64	62

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1160930	1160930	1160930
5°	991384	1071614	1164275
10°	638289	854309	1192014
15°	327401	569759	1134308
20°	174886	332971	997704
25°	97496	182525	811539
30°	52012	103968	565356
35°	22646	50170	294697
40°	6634	14684	111676
45°	1605	3977	16745
50°	844	844	1765
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: 16745 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.2	20.7
10°-20°	353.5	37.7
20°-30°	268.0	28.6
30°-40°	107.2	11.4
40°-50°	10.9	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°	815.8	87.0
0°-40°	923.0	98.5
0°-60°	935.0	99.8
0°-90°	937.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	937.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2353	2353	2353	2353	2353	
5°	2002	2046	2164	2289	2351	168
15°	641	744	1116	1836	2221	183
25°	179	209	335	958	1491	85
35°	38	47	83	253	489	26
45°	2	3	6	11	24	3
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2353.1	2353.1	2353.1	2353.1	2353.1
1°	2340.6	2341.7	2339.5	2342.9	2354.3
2°	2288.1	2305.2	2320.1	2334.9	2354.3
3°	2215.1	2235.7	2282.4	2329.2	2358.9
4°	2107.9	2150.1	2230.0	2315.5	2358.9
5°	2001.8	2046.3	2163.8	2289.3	2350.9
6°	1880.9	1944.8	2087.4	2264.2	2355.4
7°	1744.0	1822.7	2003.0	2248.2	2369.1
8°	1595.8	1684.7	1910.6	2214.0	2374.8
9°	1431.5	1539.9	1812.5	2172.9	2377.1
10°	1274.1	1388.2	1705.3	2126.2	2379.4
11°	1116.7	1235.3	1588.9	2080.5	2370.3
12°	983.2	1096.2	1466.9	2032.6	2356.6
13°	860.0	969.5	1346.0	1975.6	2321.2
14°	746.0	853.2	1229.6	1909.4	2274.4
15°	641.0	743.7	1115.5	1836.4	2220.8
16°	546.4	642.2	1006.0	1755.5	2161.5
17°	477.9	554.4	903.4	1669.9	2103.3
18°	424.3	481.4	806.4	1585.5	2041.8
19°	376.4	422.0	716.3	1497.7	1973.3
20°	333.1	374.1	634.2	1406.4	1900.3
21°	296.6	331.9	557.8	1316.3	1826.2
22°	264.6	295.4	489.3	1227.3	1745.2
23°	235.0	262.3	431.2	1137.2	1664.2
24°	206.5	236.1	379.8	1046.0	1579.8
25°	179.1	208.7	335.3	958.1	1490.8
26°	157.4	184.8	297.7	872.6	1398.4
27°	135.7	164.3	264.6	790.5	1304.9
28°	118.6	144.9	235.0	711.8	1203.4
29°	102.7	127.8	207.6	634.2	1099.6
30°	91.3	110.6	182.5	561.2	992.4
32.5°	62.7	74.1	127.8	394.7	724.3
35°	37.6	46.8	83.3	253.2	489.3
37.5°	20.5	25.1	47.9	151.7	308.0
40°	10.3	12.5	22.8	74.1	173.4
42.5°	4.6	5.7	10.3	28.5	74.1
45°	2.3	3.4	5.7	11.4	24.0
47.5°	1.1	2.3	2.3	4.6	6.8
50°	1.1	1.1	1.1	2.3	2.3
52.5°	1.1	1.1	1.1	2.3	2.3
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)