

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: P1178223

Luminaire Tested: LDA2B058035R2060D010 2LBD1WMH

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178223
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: LDA2B058035R2060D010 2LBD1WMH
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

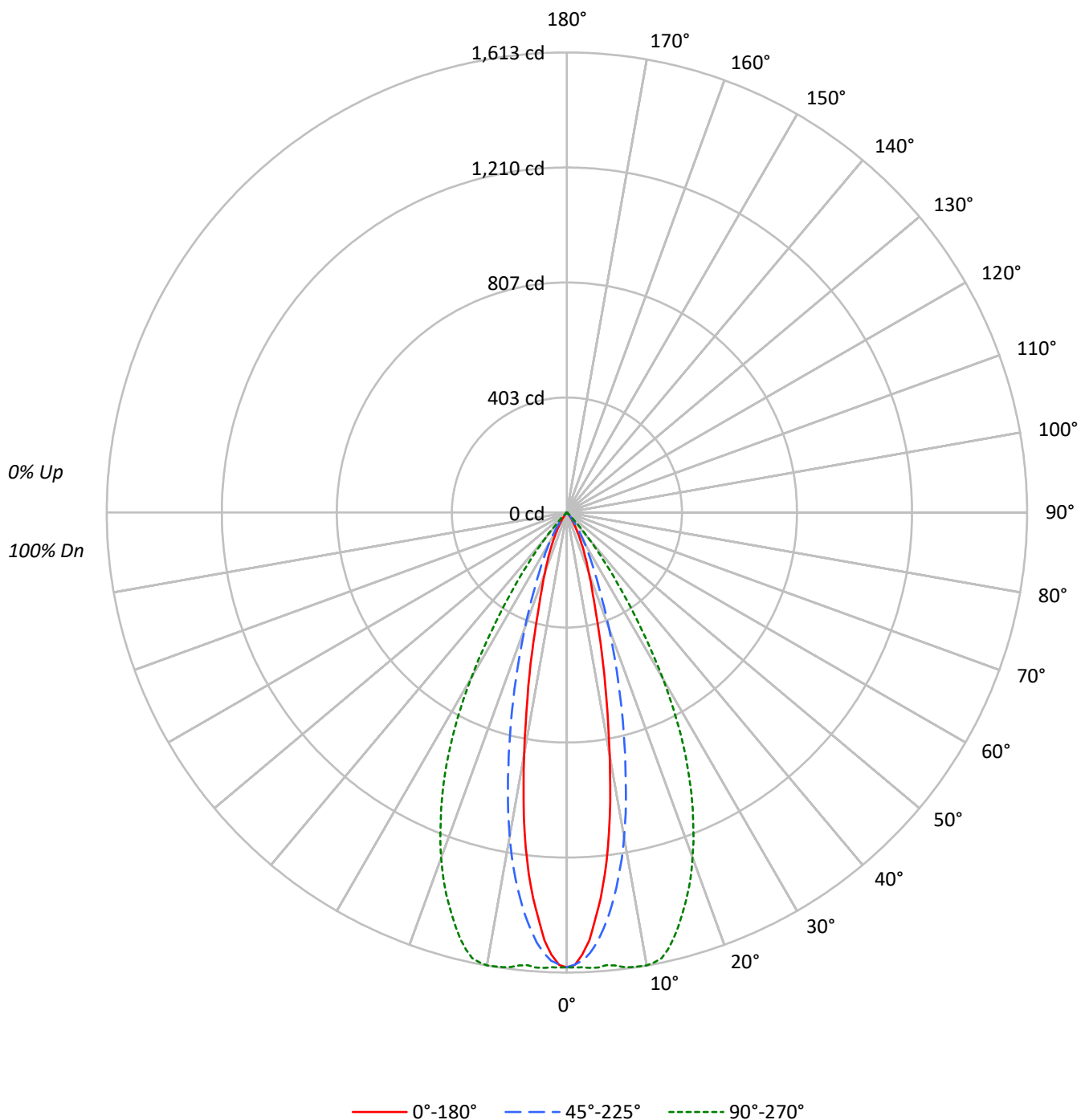
Lumens per Lamp: N/A
Luminaire Lumens: 635.4 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7
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	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°	786863	786863	786863
5°	671950	726328	789126
10°	432640	579024	807919
15°	221928	386190	768856
20°	118498	225708	676232
25°	66086	123734	550080
30°	35207	70470	383170
35°	15358	33969	199777
40°	4508	9983	75674
45°	1047	2721	11303
50°	614	614	1151
55°	688	688	688
60°	0	789	789
65°	0	934	934
70°	0	1154	1154
75°	0	1525	1525
80°	0	2273	2273
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 11303 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.6	20.7
10°-20°	239.6	37.7
20°-30°	181.7	28.6
30°-40°	72.7	11.4
40°-50°	7.4	1.2
50°-60°	0.8	0.1
60°-70°	0.7	0.1
70°-80°	0.7	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°	552.9	87.0
0°-40°	625.6	98.5
0°-60°	633.8	99.7
0°-90°	635.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	635.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1595	1595	1595	1595	1595	
5°	1357	1387	1467	1552	1593	114
15°	434	504	756	1245	1505	124
25°	121	142	227	649	1010	58
35°	26	32	56	172	332	18
45°	2	2	4	8	16	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°	1594.9	1594.9	1594.9	1594.9	1594.9
1°	1586.4	1587.2	1585.7	1588.0	1595.7
2°	1550.9	1562.5	1572.5	1582.6	1595.7
3°	1501.4	1515.3	1547.0	1578.7	1598.8
4°	1428.7	1457.3	1511.4	1569.4	1598.8
5°	1356.8	1387.0	1466.6	1551.6	1593.4
6°	1274.9	1318.2	1414.8	1534.6	1596.5
7°	1182.1	1235.4	1357.6	1523.8	1605.8
8°	1081.6	1141.9	1295.0	1500.6	1609.6
9°	970.3	1043.7	1228.5	1472.8	1611.2
10°	863.6	940.9	1155.8	1441.1	1612.7
11°	756.9	837.3	1077.0	1410.2	1606.5
12°	666.4	743.0	994.2	1377.7	1597.3
13°	582.9	657.1	912.3	1339.0	1573.3
14°	505.6	578.3	833.4	1294.2	1541.6
15°	434.5	504.1	756.1	1244.7	1505.3
16°	370.3	435.3	681.9	1189.8	1465.1
17°	323.9	375.7	612.3	1131.8	1425.6
18°	287.6	326.3	546.6	1074.6	1383.9
19°	255.1	286.1	485.5	1015.1	1337.5
20°	225.7	253.6	429.9	953.3	1288.0
21°	201.0	225.0	378.1	892.2	1237.8
22°	179.4	200.2	331.7	831.9	1182.9
23°	159.3	177.8	292.2	770.8	1128.0
24°	139.9	160.0	257.4	708.9	1070.8
25°	121.4	141.5	227.3	649.4	1010.5
26°	106.7	125.2	201.8	591.4	947.8
27°	92.0	111.3	179.4	535.8	884.4
28°	80.4	98.2	159.3	482.4	815.6
29°	69.6	86.6	140.7	429.9	745.3
30°	61.8	75.0	123.7	380.4	672.6
32.5°	42.5	50.3	86.6	267.5	490.9
35°	25.5	31.7	56.4	171.6	331.7
37.5°	13.9	17.0	32.5	102.8	208.7
40°	7.0	8.5	15.5	50.3	117.5
42.5°	3.1	3.9	7.0	19.3	50.3
45°	1.5	2.3	3.9	7.7	16.2
47.5°	0.8	1.5	1.5	3.1	4.6
50°	0.8	0.8	0.8	1.5	1.5
52.5°	0.8	0.8	0.8	1.5	1.5
55°	0.8	0.8	0.8	0.8	0.8
57.5°	0.0	0.8	0.8	0.8	0.8
60°	0.0	0.8	0.8	0.8	0.8
62.5°	0.0	0.8	0.8	0.8	0.8
65°	0.0	0.8	0.8	0.8	0.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	0.8	0.8	0.8	0.8
70°	0.0	0.8	0.8	0.8	0.8
72.5°	0.0	0.8	0.8	0.8	0.8
75°	0.0	0.8	0.8	0.8	0.8
77.5°	0.0	0.8	0.8	0.8	0.8
80°	0.0	0.0	0.8	0.8	0.8
82.5°	0.0	0.0	0.8	0.8	0.8
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)