

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: P1178182

Luminaire Tested: LDA2B058030R2060D010 2LBD1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178182
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: LDA2B058030R2060D010 2LBD1MB
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

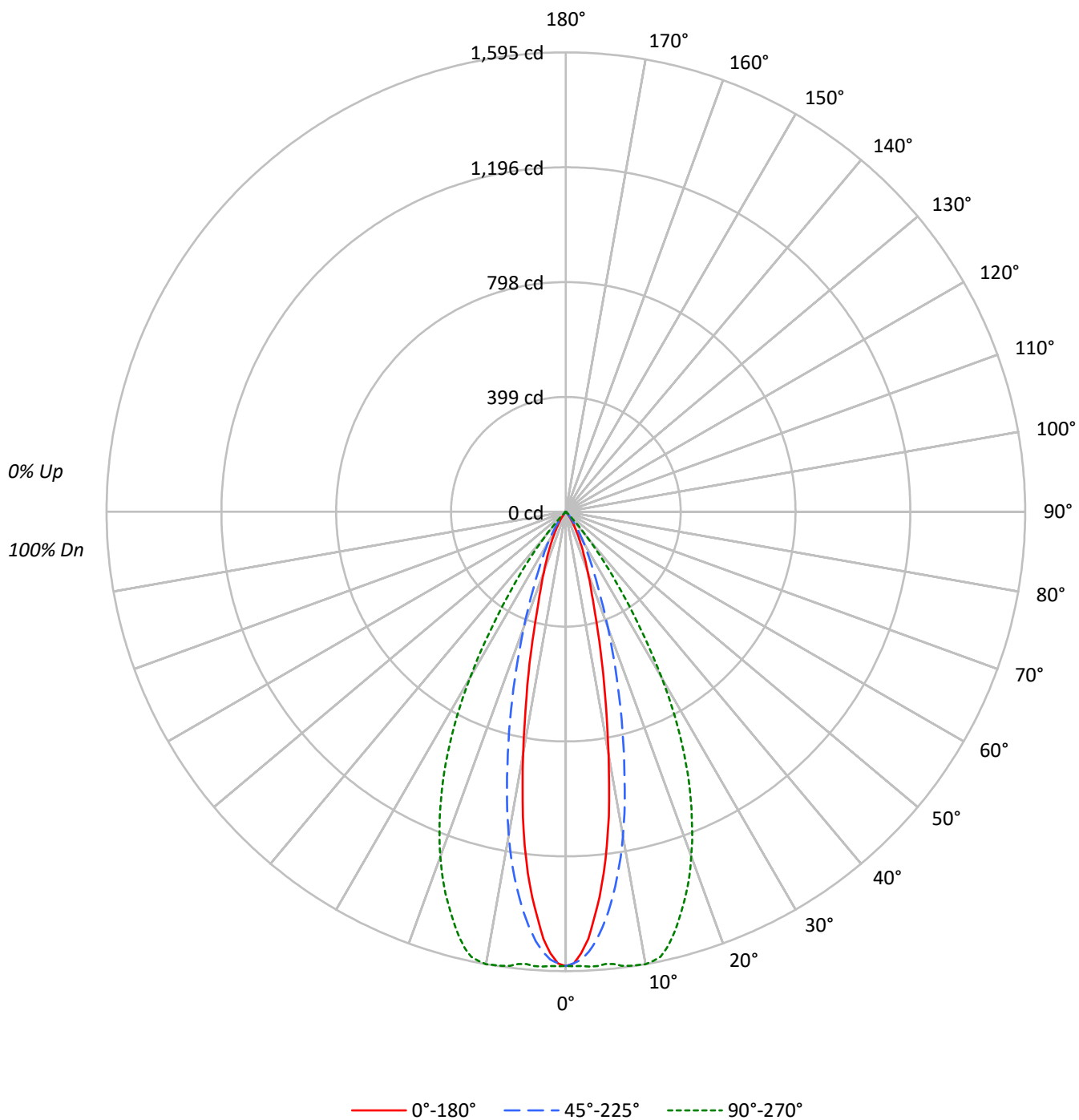
Lumens per Lamp: N/A
Luminaire Lumens: 628.4 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	778229	778229	778229
5°	664571	718355	780459
10°	427881	572662	799051
15°	219476	381951	760377
20°	117238	223188	668829
25°	65324	122373	544038
30°	34865	69672	378955
35°	15178	33607	197549
40°	4444	9854	74837
45°	1047	2651	11233
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: 11233 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.2	20.7
10°-20°	237.0	37.7
20°-30°	179.7	28.6
30°-40°	71.9	11.4
40°-50°	7.3	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°	546.9	87.0
0°-40°	618.7	98.5
0°-60°	626.8	99.7
0°-90°	628.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	628.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1577	1577	1577	1577	1577	
5°	1342	1372	1450	1535	1576	112
15°	430	498	748	1231	1489	123
25°	120	140	225	642	999	57
35°	25	31	56	170	328	17
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°	1577.4	1577.4	1577.4	1577.4	1577.4
1°	1569.0	1569.8	1568.3	1570.6	1578.2
2°	1533.9	1545.3	1555.3	1565.2	1578.2
3°	1484.9	1498.7	1530.0	1561.4	1581.3
4°	1413.0	1441.3	1494.9	1552.2	1581.3
5°	1341.9	1371.7	1450.5	1534.6	1575.9
6°	1260.9	1303.7	1399.3	1517.8	1579.0
7°	1169.1	1221.9	1342.7	1507.1	1588.1
8°	1069.7	1129.4	1280.8	1484.1	1592.0
9°	959.6	1032.3	1215.0	1456.6	1593.5
10°	854.1	930.6	1143.1	1425.3	1595.0
11°	748.6	828.1	1065.1	1394.7	1588.9
12°	659.1	734.8	983.3	1362.6	1579.7
13°	576.5	649.9	902.3	1324.3	1556.0
14°	500.1	571.9	824.3	1280.0	1524.7
15°	429.7	498.5	747.8	1231.1	1488.7
16°	366.3	430.5	674.4	1176.8	1449.0
17°	320.4	371.6	605.6	1119.4	1410.0
18°	284.4	322.7	540.6	1062.8	1368.7
19°	252.3	282.9	480.2	1004.0	1322.8
20°	223.3	250.8	425.1	942.8	1273.9
21°	198.8	222.5	373.9	882.4	1224.2
22°	177.4	198.0	328.0	822.7	1169.9
23°	157.5	175.9	289.0	762.3	1115.6
24°	138.4	158.3	254.6	701.2	1059.0
25°	120.0	139.9	224.8	642.3	999.4
26°	105.5	123.9	199.6	584.9	937.4
27°	91.0	110.1	177.4	529.9	874.7
28°	79.5	97.1	157.5	477.1	806.7
29°	68.8	85.6	139.2	425.1	737.1
30°	61.2	74.2	122.3	376.2	665.2
32.5°	42.1	49.7	85.6	264.6	485.5
35°	25.2	31.3	55.8	169.7	328.0
37.5°	13.8	16.8	32.1	101.7	206.5
40°	6.9	8.4	15.3	49.7	116.2
42.5°	3.1	3.8	6.9	19.1	49.7
45°	1.5	2.3	3.8	7.6	16.1
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)