

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: P1179966

Luminaire Tested: LDA2B209035R2060D010 2LBD1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179966
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: LDA2B209035R2060D010 2LBD1MW
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

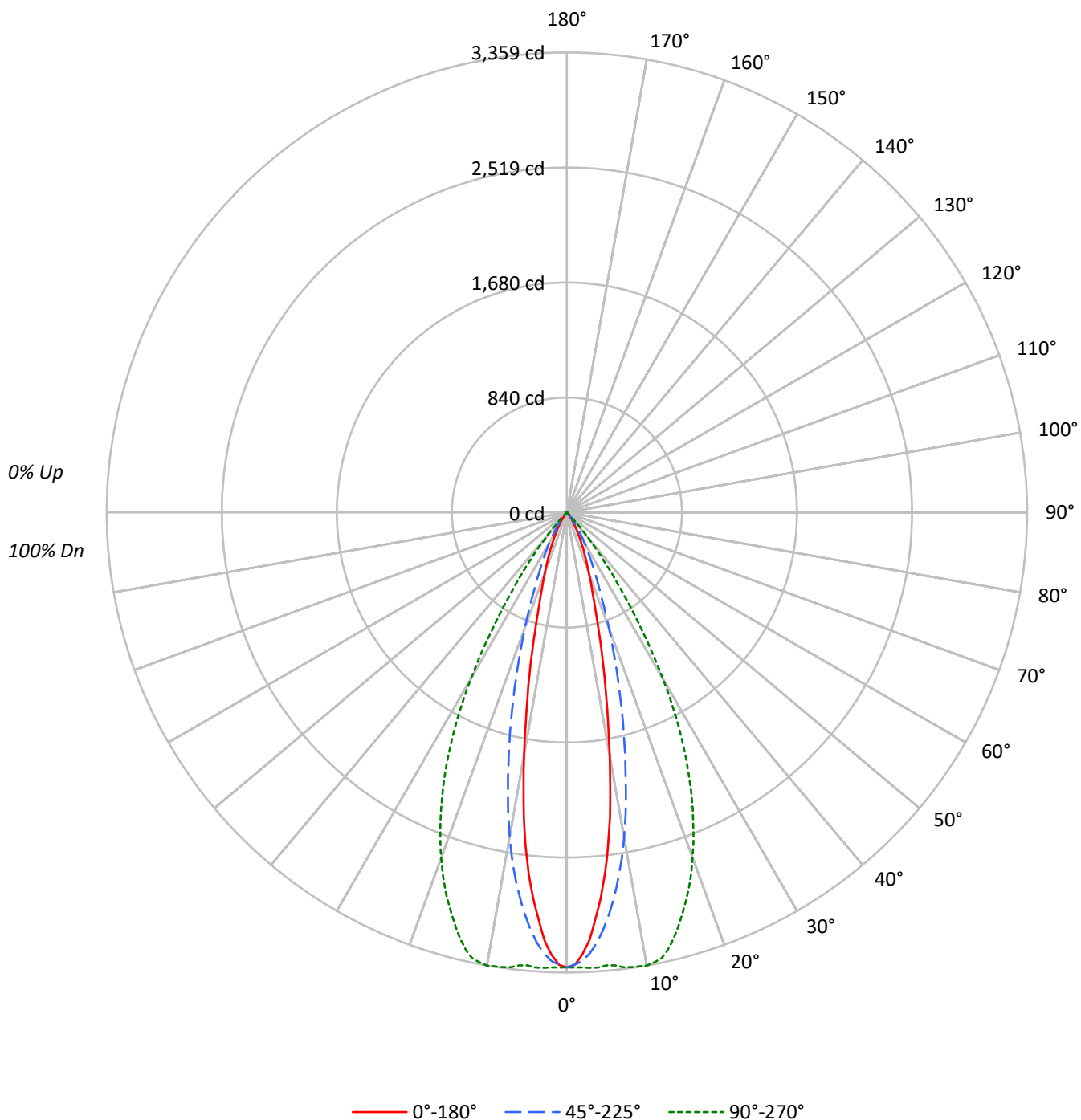
Lumens per Lamp: N/A
Luminaire Lumens: 1323.2 lumens
Efficiency: N/A
Efficacy: 64.2 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 20.6
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		82	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°	1638948	1638948	1638948
5°	1399566	1512829	1643624
10°	901100	1206042	1682767
15°	462243	804354	1601353
20°	246867	470055	1408484
25°	137615	257702	1145670
30°	73375	146751	798072
35°	31981	70829	416057
40°	9339	20738	157661
45°	2233	5652	23583
50°	1228	1228	2456
55°	1376	1376	1376
60°	0	1579	1579
65°	0	1868	1868
70°	0	2308	2308
75°	0	3050	3050
80°	0	4546	4546
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 23583 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	274.2	20.7
10°-20°	499.1	37.7
20°-30°	378.4	28.6
30°-40°	151.4	11.4
40°-50°	15.4	1.2
50°-60°	1.6	0.1
60°-70°	1.4	0.1
70°-80°	1.4	0.1
80°-90°	0.4	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°	1151.7	87.0
0°-40°	1303.0	98.5
0°-60°	1320.0	99.8
0°-90°	1323.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1323.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3322	3322	3322	3322	3322	
5°	2826	2889	3055	3232	3319	237
15°	905	1050	1575	2592	3135	259
25°	253	295	473	1353	2105	120
35°	53	66	118	358	691	37
45°	3	5	8	16	34	4
55°	2	2	2	2	2	1
65°	0	2	2	2	2	0
75°	0	2	2	2	2	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°	3322.0	3322.0	3322.0	3322.0	3322.0
1°	3304.3	3305.9	3302.7	3307.5	3323.6
2°	3230.2	3254.4	3275.3	3296.2	3323.6
3°	3127.2	3156.1	3222.2	3288.2	3330.0
4°	2975.8	3035.4	3148.1	3268.9	3330.0
5°	2826.0	2888.8	3054.7	3231.8	3318.8
6°	2655.3	2745.5	2946.8	3196.4	3325.2
7°	2462.1	2573.2	2827.6	3173.9	3344.5
8°	2252.8	2378.4	2697.2	3125.5	3352.6
9°	2020.9	2173.9	2558.7	3067.6	3355.8
10°	1798.7	1959.7	2407.4	3001.6	3359.0
11°	1576.5	1743.9	2243.1	2937.1	3346.2
12°	1388.1	1547.5	2070.8	2869.5	3326.8
13°	1214.1	1368.7	1900.1	2789.0	3276.9
14°	1053.1	1204.5	1735.9	2695.6	3210.9
15°	905.0	1049.9	1574.8	2592.5	3135.2
16°	771.3	906.6	1420.3	2478.2	3051.5
17°	674.7	782.6	1275.3	2357.4	2969.3
18°	599.0	679.5	1138.5	2238.3	2882.4
19°	531.4	595.8	1011.3	2114.3	2785.8
20°	470.2	528.2	895.3	1985.5	2682.7
21°	418.7	468.6	787.4	1858.3	2578.0
22°	373.6	417.1	690.8	1732.7	2463.7
23°	331.7	370.4	608.7	1605.4	2349.4
24°	291.5	333.3	536.2	1476.6	2230.2
25°	252.8	294.7	473.4	1352.6	2104.6
26°	222.2	260.9	420.3	1231.9	1974.2
27°	191.6	231.9	373.6	1115.9	1842.2
28°	167.5	204.5	331.7	1004.8	1698.8
29°	144.9	180.4	293.1	895.3	1552.3
30°	128.8	156.2	257.6	792.3	1400.9
32.5°	88.6	104.7	180.4	557.2	1022.5
35°	53.1	66.0	117.6	357.5	690.8
37.5°	29.0	35.4	67.6	214.2	434.8
40°	14.5	17.7	32.2	104.7	244.8
42.5°	6.4	8.1	14.5	40.3	104.7
45°	3.2	4.8	8.1	16.1	33.8
47.5°	1.6	3.2	3.2	6.4	9.7
50°	1.6	1.6	1.6	3.2	3.2
52.5°	1.6	1.6	1.6	3.2	3.2
55°	1.6	1.6	1.6	1.6	1.6
57.5°	0.0	1.6	1.6	1.6	1.6
60°	0.0	1.6	1.6	1.6	1.6
62.5°	0.0	1.6	1.6	1.6	1.6
65°	0.0	1.6	1.6	1.6	1.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.6	1.6	1.6	1.6
70°	0.0	1.6	1.6	1.6	1.6
72.5°	0.0	1.6	1.6	1.6	1.6
75°	0.0	1.6	1.6	1.6	1.6
77.5°	0.0	1.6	1.6	1.6	1.6
80°	0.0	0.0	1.6	1.6	1.6
82.5°	0.0	0.0	1.6	1.6	1.6
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)