

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: P1179932

Luminaire Tested: LDA2B209030R2060D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179932
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: LDA2B209030R2060D010 2LBDC1MMS
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

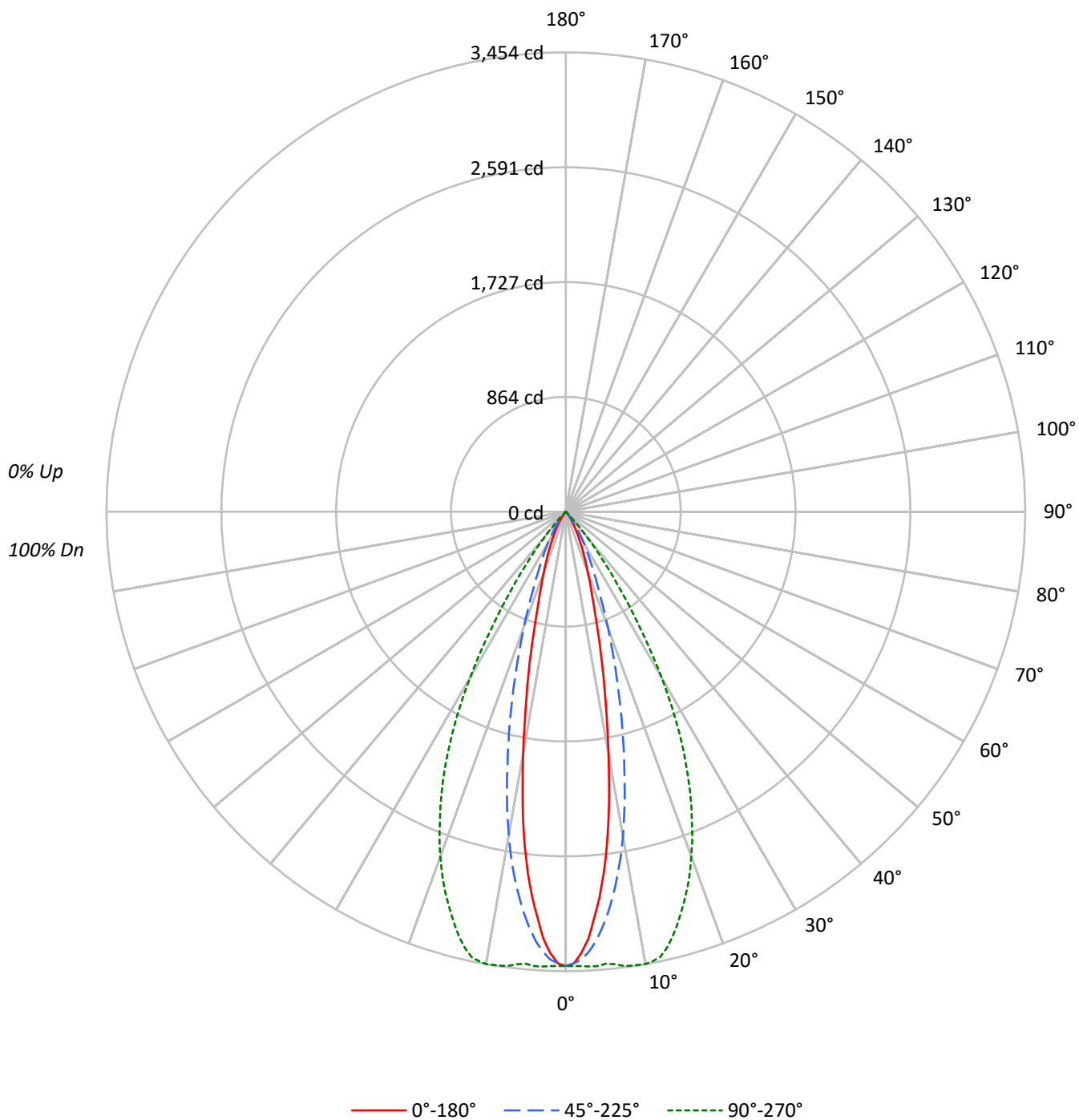
Lumens per Lamp: N/A
Luminaire Lumens: 1360.6 lumens
Efficiency: N/A
Efficacy: 66.0 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	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°	1685077	1685077	1685077
5°	1438988	1555371	1689880
10°	926449	1239958	1730159
15°	475216	827032	1646402
20°	253797	483285	1448123
25°	141480	264942	1177896
30°	75426	150910	820574
35°	32885	72816	427742
40°	9596	21318	162040
45°	2302	5791	24281
50°	1305	1305	2533
55°	1462	1462	1462
60°	0	1677	1677
65°	0	1985	1985
70°	0	2452	2452
75°	0	3241	3241
80°	0	4830	4830
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 24281 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.9	20.7
10°-20°	513.2	37.7
20°-30°	389.0	28.6
30°-40°	155.6	11.4
40°-50°	15.8	1.2
50°-60°	1.6	0.1
60°-70°	1.5	0.1
70°-80°	1.5	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°	1184.1	87.0
0°-40°	1339.7	98.5
0°-60°	1357.1	99.7
0°-90°	1360.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1360.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3416	3416	3416	3416	3416	
5°	2906	2970	3141	3323	3412	243
15°	930	1079	1619	2666	3223	266
25°	260	303	487	1391	2164	123
35°	55	68	121	368	710	38
45°	3	5	8	17	35	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°	3415.5	3415.5	3415.5	3415.5	3415.5
1°	3397.3	3398.9	3395.6	3400.6	3417.1
2°	3321.1	3345.9	3367.5	3389.0	3417.1
3°	3215.1	3244.9	3312.8	3380.7	3423.7
4°	3059.5	3120.8	3236.7	3360.8	3423.7
5°	2905.6	2970.1	3140.6	3322.8	3412.2
6°	2730.1	2822.8	3029.7	3286.3	3418.8
7°	2531.4	2645.6	2907.2	3263.2	3438.7
8°	2316.2	2445.3	2773.1	3213.5	3446.9
9°	2077.8	2235.0	2630.7	3153.9	3450.2
10°	1849.3	2014.8	2475.1	3086.0	3453.6
11°	1620.8	1793.0	2306.2	3019.8	3440.3
12°	1427.1	1591.0	2129.1	2950.3	3420.4
13°	1248.3	1407.2	1953.6	2867.5	3369.1
14°	1082.8	1238.4	1784.7	2771.4	3301.2
15°	930.4	1079.4	1619.2	2665.5	3223.4
16°	793.0	932.1	1460.2	2547.9	3137.3
17°	693.7	804.6	1311.2	2423.8	3052.9
18°	615.9	698.7	1170.5	2301.3	2963.5
19°	546.3	612.6	1039.7	2173.8	2864.2
20°	483.4	543.0	920.5	2041.3	2758.2
21°	430.5	481.8	809.6	1910.5	2650.6
22°	384.1	428.8	710.2	1781.4	2533.0
23°	341.1	380.8	625.8	1650.6	2415.5
24°	299.7	342.7	551.3	1518.2	2293.0
25°	259.9	303.0	486.7	1390.7	2163.8
26°	228.5	268.2	432.1	1266.5	2029.7
27°	197.0	238.4	384.1	1147.3	1894.0
28°	172.2	210.3	341.1	1033.1	1746.6
29°	149.0	185.4	301.3	920.5	1596.0
30°	132.4	160.6	264.9	814.5	1440.4
32.5°	91.1	107.6	185.4	572.8	1051.3
35°	54.6	67.9	120.9	367.5	710.2
37.5°	29.8	36.4	69.5	220.2	447.0
40°	14.9	18.2	33.1	107.6	251.6
42.5°	6.6	8.3	14.9	41.4	107.6
45°	3.3	5.0	8.3	16.6	34.8
47.5°	1.7	3.3	3.3	6.6	9.9
50°	1.7	1.7	1.7	3.3	3.3
52.5°	1.7	1.7	1.7	3.3	3.3
55°	1.7	1.7	1.7	1.7	1.7
57.5°	0.0	1.7	1.7	1.7	1.7
60°	0.0	1.7	1.7	1.7	1.7
62.5°	0.0	1.7	1.7	1.7	1.7
65°	0.0	1.7	1.7	1.7	1.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.7	1.7	1.7	1.7
70°	0.0	1.7	1.7	1.7	1.7
72.5°	0.0	1.7	1.7	1.7	1.7
75°	0.0	1.7	1.7	1.7	1.7
77.5°	0.0	1.7	1.7	1.7	1.7
80°	0.0	0.0	1.7	1.7	1.7
82.5°	0.0	0.0	1.7	1.7	1.7
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)