

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: P1179893

Luminaire Tested: LDA2B209027R2060D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179893
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: LDA2B209027R2060D010 2LBDC1MMS
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

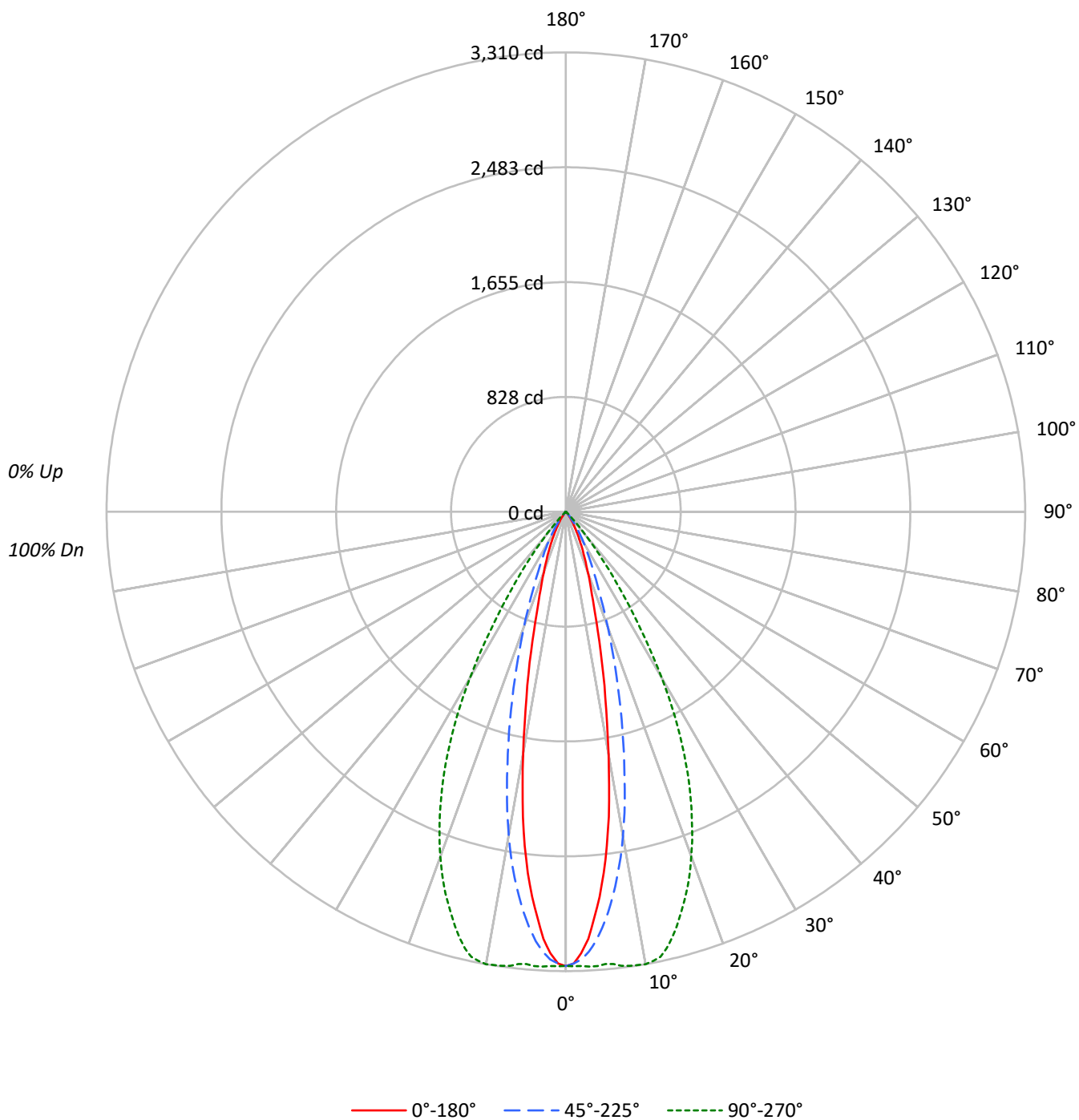
Lumens per Lamp: N/A
Luminaire Lumens: 1304.0 lumens
Efficiency: N/A
Efficacy: 63.3 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	1615118	1615118	1615118
5°	1379261	1490840	1619753
10°	887974	1188508	1658320
15°	455501	792708	1578113
20°	243296	463229	1388008
25°	135601	253946	1129066
30°	72350	144643	786507
35°	31560	69744	410035
40°	9210	20416	155342
45°	2233	5512	23234
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: 23234 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.2	20.7
10°-20°	491.9	37.7
20°-30°	372.9	28.6
30°-40°	149.2	11.4
40°-50°	15.1	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°	1134.9	87.0
0°-40°	1284.1	98.5
0°-60°	1300.8	99.8
0°-90°	1304.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1304.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3274	3274	3274	3274	3274	
5°	2785	2847	3010	3185	3271	233
15°	892	1035	1552	2555	3090	255
25°	249	290	466	1333	2074	118
35°	52	65	116	352	681	36
45°	3	5	8	16	33	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°	3273.7	3273.7	3273.7	3273.7	3273.7
1°	3256.3	3257.9	3254.7	3259.5	3275.3
2°	3183.3	3207.1	3227.7	3248.3	3275.3
3°	3081.7	3110.3	3175.3	3240.4	3281.7
4°	2932.6	2991.3	3102.4	3221.4	3281.7
5°	2785.0	2846.9	3010.3	3184.9	3270.6
6°	2616.8	2705.6	2904.0	3150.0	3276.9
7°	2426.3	2535.8	2786.6	3127.7	3295.9
8°	2220.0	2343.8	2658.0	3080.1	3303.9
9°	1991.5	2142.3	2521.6	3023.0	3307.1
10°	1772.5	1931.2	2372.4	2957.9	3310.2
11°	1553.6	1718.6	2210.5	2894.5	3297.5
12°	1367.9	1525.0	2040.7	2827.8	3278.5
13°	1196.5	1348.8	1872.5	2748.5	3229.3
14°	1037.8	1187.0	1710.7	2656.4	3164.2
15°	891.8	1034.6	1552.0	2554.9	3089.7
16°	760.1	893.4	1399.6	2442.2	3007.1
17°	664.9	771.2	1256.8	2323.2	2926.2
18°	590.3	669.7	1121.9	2205.8	2840.5
19°	523.7	587.1	996.6	2083.6	2745.3
20°	463.4	520.5	882.3	1956.6	2643.7
21°	412.6	461.8	776.0	1831.3	2540.6
22°	368.2	411.0	680.8	1707.5	2427.9
23°	326.9	365.0	599.8	1582.1	2315.3
24°	287.2	328.5	528.4	1455.2	2197.8
25°	249.1	290.4	466.5	1333.0	2074.1
26°	219.0	257.1	414.2	1214.0	1945.5
27°	188.8	228.5	368.2	1099.7	1815.4
28°	165.0	201.5	326.9	990.2	1674.2
29°	142.8	177.7	288.8	882.3	1529.8
30°	127.0	153.9	253.9	780.7	1380.6
32.5°	87.3	103.1	177.7	549.1	1007.7
35°	52.4	65.1	115.8	352.3	680.8
37.5°	28.6	34.9	66.6	211.1	428.5
40°	14.3	17.5	31.7	103.1	241.2
42.5°	6.3	7.9	14.3	39.7	103.1
45°	3.2	4.8	7.9	15.9	33.3
47.5°	1.6	3.2	3.2	6.3	9.5
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)