

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: P1180043

Luminaire Tested: LDA2B209050R2060D010 2LBD1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1180043
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: LDA2B209050R2060D010 2LBD1MMS
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

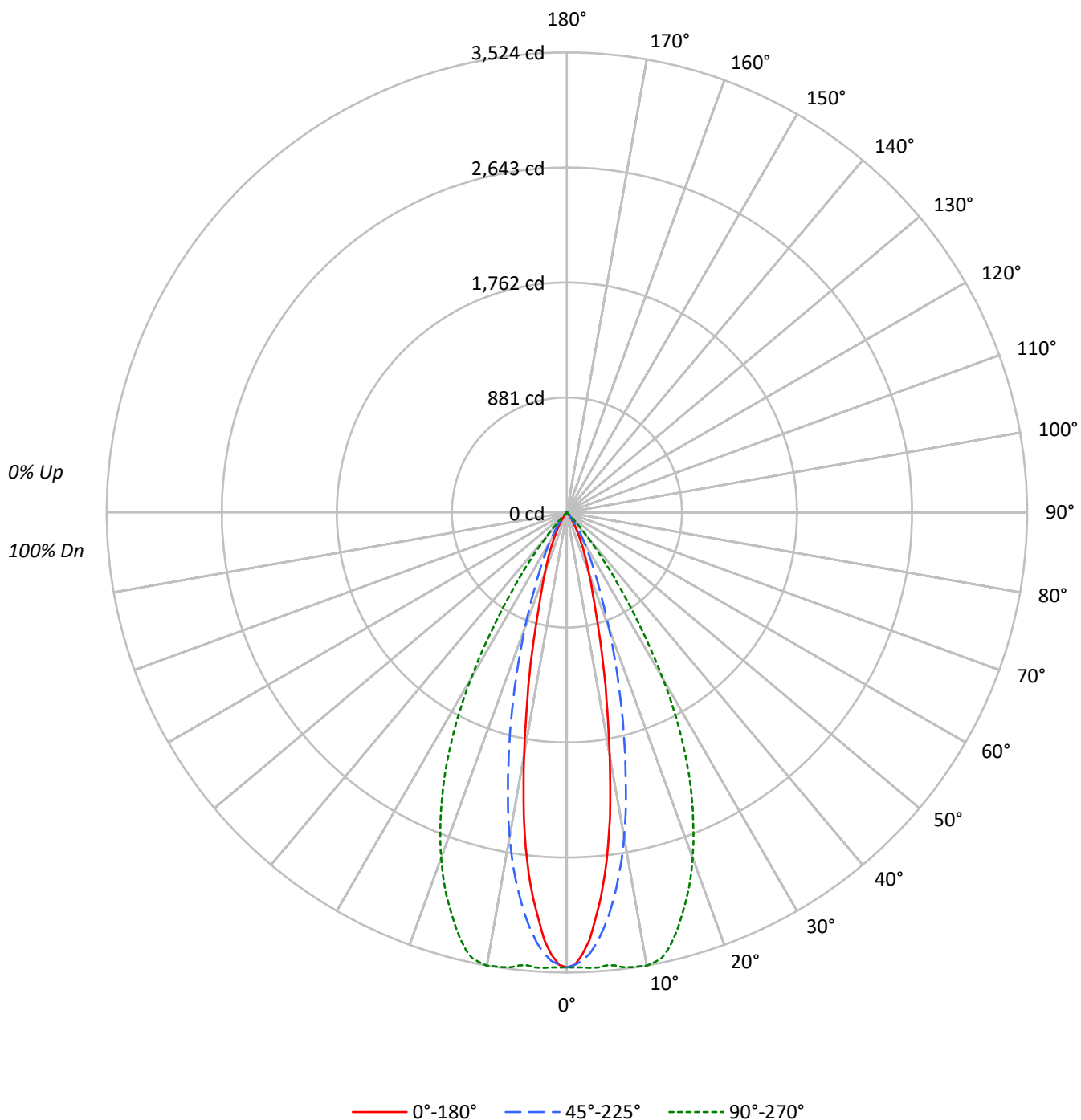
Lumens per Lamp: N/A
Luminaire Lumens: 1388.4 lumens
Efficiency: N/A
Efficacy: 67.4 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	100	100	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90	90	90
3	105	100	96	92	103	99	95	92	96	93	90	94	91	89	91	89	87	86	86	86
4	101	95	90	87	99	94	89	86	92	88	85	90	87	84	88	85	83	82	82	82
5	97	90	85	82	96	89	85	81	88	84	81	86	83	80	85	82	79	78	78	78
6	93	86	81	77	92	85	81	77	84	80	77	82	79	76	81	78	76	74	74	74
7	90	82	77	74	89	81	77	73	80	76	73	79	75	73	78	75	72	71	71	71
8	86	79	74	70	85	78	73	70	77	73	70	76	72	69	75	72	69	68	68	68
9	83	75	70	67	82	75	70	67	74	70	67	73	69	66	72	69	66	65	65	65
10	80	72	67	64	79	72	67	64	71	67	64	70	66	64	70	66	64	62	62	62

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1719563	1719563	1719563
5°	1468455	1587265	1724497
10°	945436	1265357	1765578
15°	484972	843938	1680164
20°	258995	493208	1477787
25°	144420	270386	1202066
30°	77021	153986	837380
35°	33607	74262	436535
40°	9789	21768	165389
45°	2372	5861	24769
50°	1305	1305	2610
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: 24769 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.7	20.7
10°-20°	523.7	37.7
20°-30°	397.0	28.6
30°-40°	158.8	11.4
40°-50°	16.1	1.2
50°-60°	1.7	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°	1208.3	87.0
0°-40°	1367.2	98.5
0°-60°	1384.9	99.8
0°-90°	1388.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1388.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3485	3485	3485	3485	3485	
5°	2965	3031	3205	3391	3482	248
15°	950	1102	1652	2720	3290	272
25°	265	309	497	1419	2208	126
35°	56	69	123	375	725	38
45°	3	5	8	17	36	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°	3485.4	3485.4	3485.4	3485.4	3485.4
1°	3466.9	3468.5	3465.2	3470.2	3487.1
2°	3389.1	3414.5	3436.4	3458.4	3487.1
3°	3281.0	3311.4	3380.7	3450.0	3493.9
4°	3122.2	3184.7	3303.0	3429.7	3493.9
5°	2965.1	3031.0	3205.0	3390.8	3482.1
6°	2786.0	2880.6	3091.8	3353.7	3488.8
7°	2583.2	2699.8	2966.8	3330.0	3509.1
8°	2363.6	2495.4	2829.9	3279.3	3517.5
9°	2120.3	2280.8	2684.6	3218.5	3520.9
10°	1887.2	2056.1	2525.8	3149.2	3524.3
11°	1654.0	1829.7	2353.5	3081.7	3510.8
12°	1456.4	1623.6	2172.7	3010.7	3490.5
13°	1273.9	1436.1	1993.6	2926.2	3438.1
14°	1104.9	1263.7	1821.3	2828.2	3368.9
15°	949.5	1101.6	1652.3	2720.1	3289.5
16°	809.3	951.2	1490.1	2600.1	3201.6
17°	707.9	821.1	1338.1	2473.4	3115.4
18°	628.5	713.0	1194.5	2348.4	3024.2
19°	557.5	625.1	1061.0	2218.3	2922.8
20°	493.3	554.2	939.4	2083.2	2814.7
21°	439.3	491.6	826.2	1949.7	2704.9
22°	392.0	437.6	724.8	1817.9	2584.9
23°	348.0	388.6	638.6	1684.4	2465.0
24°	305.8	349.7	562.6	1549.3	2340.0
25°	265.3	309.2	496.7	1419.2	2208.2
26°	233.2	273.7	441.0	1292.5	2071.3
27°	201.1	243.3	392.0	1170.8	1932.8
28°	175.7	214.6	348.0	1054.2	1782.4
29°	152.1	189.2	307.5	939.4	1628.7
30°	135.2	163.9	270.3	831.2	1469.9
32.5°	92.9	109.8	189.2	584.6	1072.8
35°	55.8	69.3	123.3	375.1	724.8
37.5°	30.4	37.2	71.0	224.7	456.2
40°	15.2	18.6	33.8	109.8	256.8
42.5°	6.8	8.4	15.2	42.2	109.8
45°	3.4	5.1	8.4	16.9	35.5
47.5°	1.7	3.4	3.4	6.8	10.1
50°	1.7	1.7	1.7	3.4	3.4
52.5°	1.7	1.7	1.7	3.4	3.4
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)