

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: P1179972

Luminaire Tested: LDA2B209035R2060D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179972
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 2LBDC1MW
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

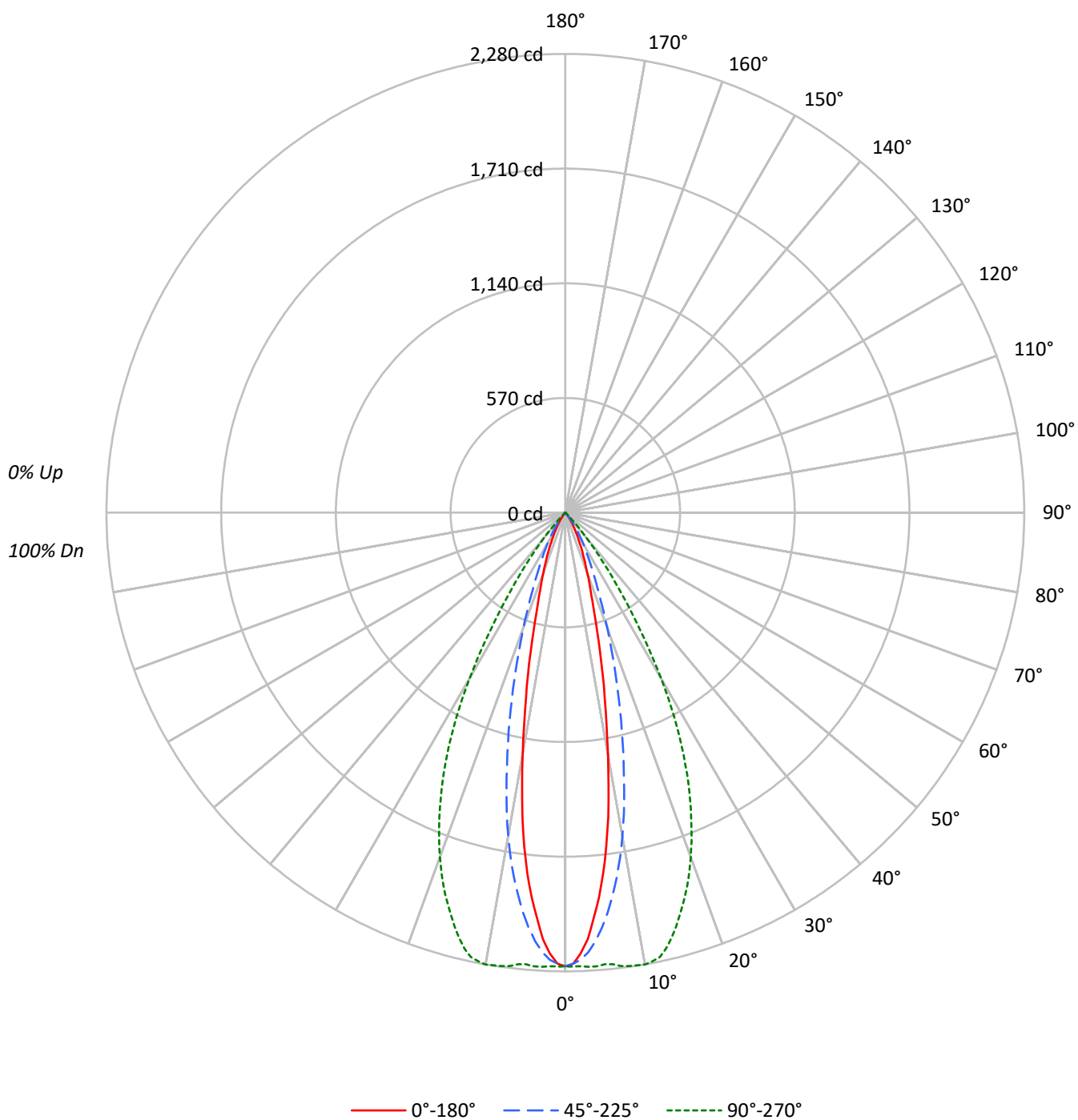
Lumens per Lamp: N/A
Luminaire Lumens: 898.3 lumens
Efficiency: N/A
Efficacy: 43.6 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	1112580	1112580	1112580
5°	950081	1026992	1115741
10°	611688	818690	1142368
15°	313763	546060	1087063
20°	167588	319110	956122
25°	93413	174959	777734
30°	49847	99638	541771
35°	21742	48062	282471
40°	6312	14104	107039
45°	1535	3837	16048
50°	844	844	1689
55°	946	946	946
60°	0	1085	1085
65°	0	1284	1284
70°	0	1587	1587
75°	0	2097	2097
80°	0	3125	3125
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 16048 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.1	20.7
10°-20°	338.8	37.7
20°-30°	256.8	28.6
30°-40°	102.8	11.4
40°-50°	10.4	1.2
50°-60°	1.1	0.1
60°-70°	1.0	0.1
70°-80°	1.0	0.1
80°-90°	0.3	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°	781.8	87.0
0°-40°	884.6	98.5
0°-60°	896.1	99.8
0°-90°	898.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	898.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2255	2255	2255	2255	2255	
5°	1918	1961	2074	2194	2253	161
15°	614	713	1069	1760	2128	176
25°	172	200	321	918	1429	81
35°	36	45	80	243	469	25
45°	2	3	6	11	23	2
55°	1	1	1	1	1	1
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2255.1	2255.1	2255.1	2255.1	2255.1
1°	2243.1	2244.2	2242.0	2245.3	2256.2
2°	2192.8	2209.2	2223.4	2237.6	2256.2
3°	2122.9	2142.5	2187.3	2232.2	2260.6
4°	2020.1	2060.5	2137.1	2219.0	2260.6
5°	1918.4	1961.1	2073.7	2193.9	2252.9
6°	1802.6	1863.8	2000.4	2169.9	2257.3
7°	1671.4	1746.8	1919.5	2154.6	2270.4
8°	1529.3	1614.5	1831.0	2121.8	2275.9
9°	1371.9	1475.7	1737.0	2082.4	2278.1
10°	1221.0	1330.3	1634.2	2037.6	2280.3
11°	1070.2	1183.9	1522.7	1993.9	2271.5
12°	942.3	1050.5	1405.8	1948.0	2258.4
13°	824.2	929.2	1289.9	1893.3	2224.5
14°	714.9	817.7	1178.4	1829.9	2179.7
15°	614.3	712.7	1069.1	1759.9	2128.3
16°	523.6	615.4	964.1	1682.3	2071.5
17°	458.0	531.3	865.8	1600.3	2015.7
18°	406.6	461.3	772.8	1519.4	1956.7
19°	360.7	404.5	686.5	1435.3	1891.1
20°	319.2	358.5	607.8	1347.8	1821.1
21°	284.2	318.1	534.5	1261.5	1750.1
22°	253.6	283.1	469.0	1176.2	1672.5
23°	225.2	251.4	413.2	1089.8	1594.9
24°	197.9	226.3	364.0	1002.4	1514.0
25°	171.6	200.0	321.4	918.2	1428.7
26°	150.9	177.1	285.3	836.2	1340.2
27°	130.1	157.4	253.6	757.5	1250.5
28°	113.7	138.8	225.2	682.1	1153.2
29°	98.4	122.4	198.9	607.8	1053.8
30°	87.5	106.0	174.9	537.8	951.0
32.5°	60.1	71.1	122.4	378.2	694.1
35°	36.1	44.8	79.8	242.7	469.0
37.5°	19.7	24.0	45.9	145.4	295.1
40°	9.8	12.0	21.9	71.1	166.2
42.5°	4.4	5.5	9.8	27.3	71.1
45°	2.2	3.3	5.5	10.9	23.0
47.5°	1.1	2.2	2.2	4.4	6.6
50°	1.1	1.1	1.1	2.2	2.2
52.5°	1.1	1.1	1.1	2.2	2.2
55°	1.1	1.1	1.1	1.1	1.1
57.5°	0.0	1.1	1.1	1.1	1.1
60°	0.0	1.1	1.1	1.1	1.1
62.5°	0.0	1.1	1.1	1.1	1.1
65°	0.0	1.1	1.1	1.1	1.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.1	1.1	1.1	1.1
70°	0.0	1.1	1.1	1.1	1.1
72.5°	0.0	1.1	1.1	1.1	1.1
75°	0.0	1.1	1.1	1.1	1.1
77.5°	0.0	1.1	1.1	1.1	1.1
80°	0.0	0.0	1.1	1.1	1.1
82.5°	0.0	0.0	1.1	1.1	1.1
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)