

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: P1178724

Luminaire Tested: LDA2B108035R2060D010 2LBD1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178724
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: LDA2B108035R2060D010 2LBD1MW
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

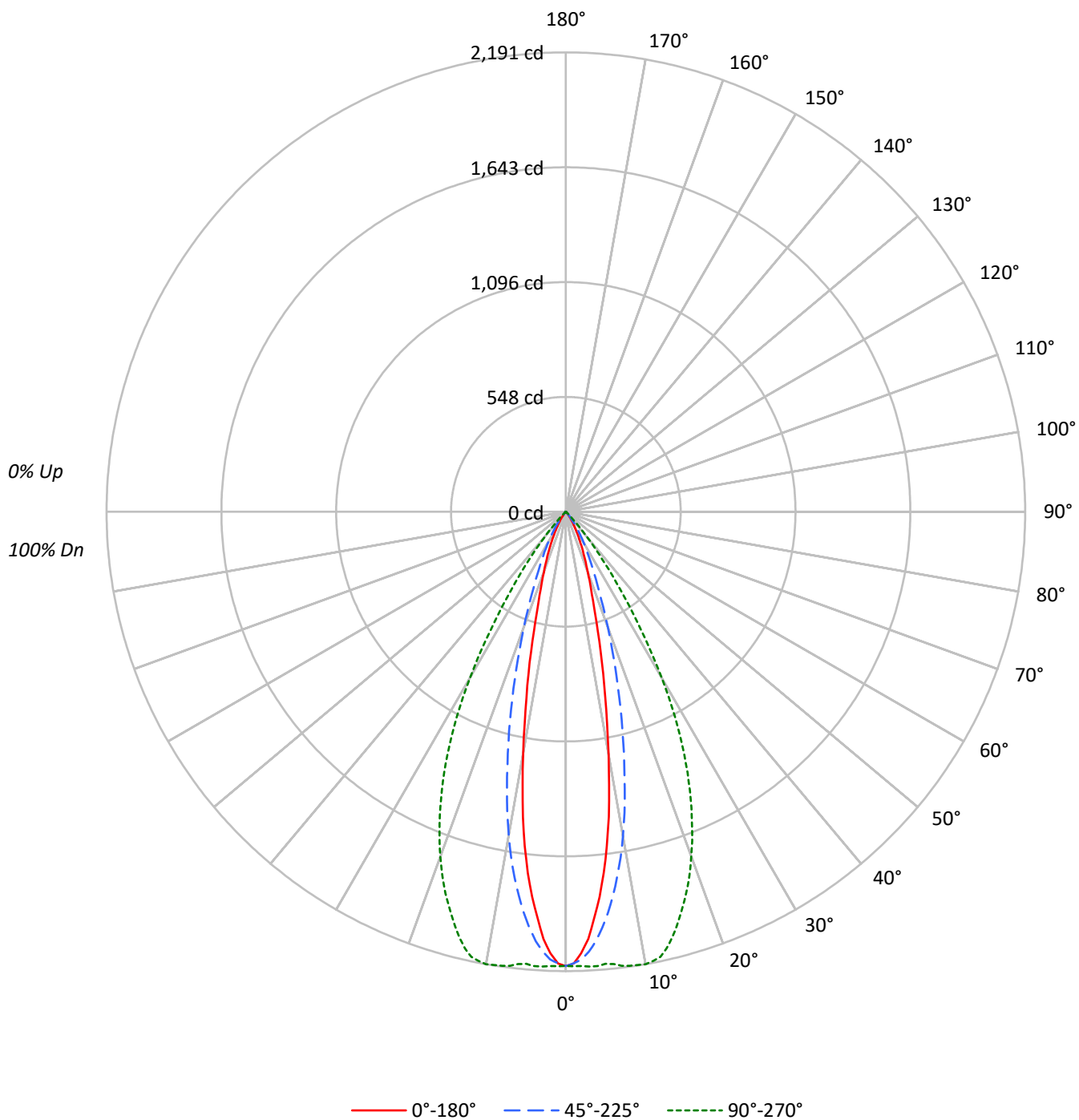
Lumens per Lamp: N/A
Luminaire Lumens: 863.3 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 10
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°	1069016	1069016	1069016
5°	912888	986778	1072060
10°	587741	786627	1097631
15°	301505	524659	1044516
20°	161025	306614	918688
25°	89766	168100	747304
30°	47854	95764	520578
35°	20899	46195	271389
40°	6118	13525	102788
45°	1465	3698	15420
50°	844	844	1612
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: 15420 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.8	20.7
10°-20°	325.6	37.7
20°-30°	246.8	28.6
30°-40°	98.7	11.4
40°-50°	10.0	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°	751.2	87.0
0°-40°	849.9	98.5
0°-60°	861.0	99.7
0°-90°	863.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	863.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2167	2167	2167	2167	2167	
5°	1843	1884	1992	2108	2165	154
15°	590	685	1027	1691	2045	169
25°	165	192	309	882	1373	78
35°	35	43	77	233	451	24
45°	2	3	5	10	22	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	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2166.8	2166.8	2166.8	2166.8	2166.8
1°	2155.3	2156.3	2154.2	2157.4	2167.9
2°	2107.0	2122.7	2136.4	2150.0	2167.9
3°	2039.7	2058.6	2101.7	2144.8	2172.1
4°	1941.0	1979.9	2053.4	2132.2	2172.1
5°	1843.3	1884.3	1992.5	2108.0	2164.7
6°	1732.0	1790.8	1922.1	2084.9	2168.9
7°	1605.9	1678.4	1844.4	2070.2	2181.5
8°	1469.4	1551.3	1759.3	2038.7	2186.8
9°	1318.2	1417.9	1669.0	2000.9	2188.9
10°	1173.2	1278.2	1570.2	1957.8	2191.0
11°	1028.3	1137.5	1463.1	1915.8	2182.6
12°	905.4	1009.4	1350.7	1871.7	2170.0
13°	791.9	892.8	1239.4	1819.2	2137.4
14°	686.9	785.6	1132.2	1758.2	2094.3
15°	590.3	684.8	1027.2	1691.0	2045.0
16°	503.1	591.3	926.4	1616.4	1990.4
17°	440.1	510.5	831.9	1537.7	1936.8
18°	390.7	443.2	742.6	1460.0	1880.1
19°	346.6	388.6	659.6	1379.1	1817.1
20°	306.7	344.5	584.0	1295.1	1749.8
21°	273.1	305.6	513.6	1212.1	1681.6
22°	243.7	272.0	450.6	1130.1	1607.0
23°	216.4	241.6	397.0	1047.2	1532.4
24°	190.1	217.4	349.8	963.1	1454.7
25°	164.9	192.2	308.8	882.3	1372.8
26°	144.9	170.2	274.1	803.5	1287.7
27°	125.0	151.2	243.7	727.9	1201.6
28°	109.2	133.4	216.4	655.4	1108.1
29°	94.5	117.6	191.2	584.0	1012.5
30°	84.0	101.9	168.1	516.8	913.8
32.5°	57.8	68.3	117.6	363.4	667.0
35°	34.7	43.1	76.7	233.2	450.6
37.5°	18.9	23.1	44.1	139.7	283.6
40°	9.5	11.6	21.0	68.3	159.6
42.5°	4.2	5.3	9.5	26.3	68.3
45°	2.1	3.2	5.3	10.5	22.1
47.5°	1.1	2.1	2.1	4.2	6.3
50°	1.1	1.1	1.1	2.1	2.1
52.5°	1.1	1.1	1.1	2.1	2.1
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)