

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: P1179465

Luminaire Tested: LDA2B159035R2060D010 2LBD1WMH

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179465
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: LDA2B159035R2060D010 2LBD1WMH
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

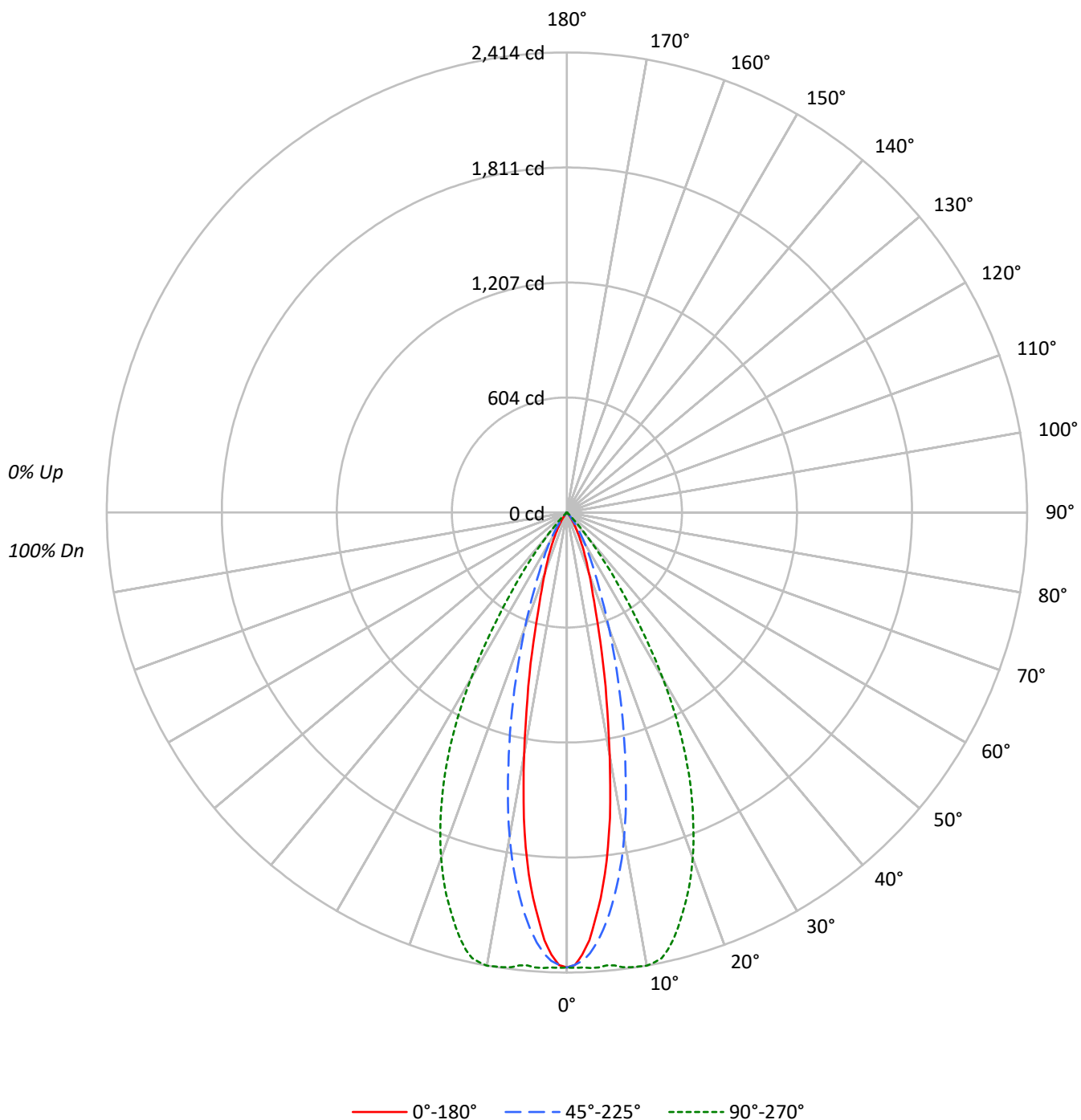
Lumens per Lamp: N/A
Luminaire Lumens: 951.2 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 14.1
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°	1178049	1178049	1178049
5°	1005994	1087412	1181410
10°	647708	866883	1209599
15°	332253	578187	1151062
20°	177458	337853	1012405
25°	98911	185247	823515
30°	52753	105506	573673
35°	23007	50893	299094
40°	6698	14877	113286
45°	1605	4047	16955
50°	921	921	1765
55°	1032	1032	1032
60°	0	1184	1184
65°	0	1401	1401
70°	0	1731	1731
75°	0	2287	2287
80°	0	3409	3409
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 16955 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.1	20.7
10°-20°	358.8	37.7
20°-30°	272.0	28.6
30°-40°	108.8	11.4
40°-50°	11.0	1.2
50°-60°	1.2	0.1
60°-70°	1.0	0.1
70°-80°	1.1	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°	827.8	87.0
0°-40°	936.6	98.5
0°-60°	948.8	99.7
0°-90°	951.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	951.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2388	2388	2388	2388	2388	
5°	2031	2076	2196	2323	2386	170
15°	650	755	1132	1864	2254	186
25°	182	212	340	972	1513	86
35°	38	48	84	257	497	26
45°	2	4	6	12	24	3
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°	2387.8	2387.8	2387.8	2387.8	2387.8
1°	2375.1	2376.3	2373.9	2377.4	2389.0
2°	2321.9	2339.2	2354.3	2369.3	2389.0
3°	2247.8	2268.6	2316.1	2363.5	2393.6
4°	2139.0	2181.8	2262.8	2349.6	2393.6
5°	2031.3	2076.5	2195.7	2323.0	2385.5
6°	1908.7	1973.5	2118.2	2297.6	2390.2
7°	1769.8	1849.6	2032.5	2281.4	2404.0
8°	1619.3	1709.6	1938.7	2246.6	2409.8
9°	1452.6	1562.6	1839.2	2205.0	2412.1
10°	1292.9	1408.6	1730.4	2157.5	2414.5
11°	1133.2	1253.5	1612.3	2111.2	2405.2
12°	997.7	1112.3	1488.5	2062.6	2391.3
13°	872.7	983.8	1365.8	2004.7	2355.4
14°	757.0	865.8	1247.7	1937.6	2308.0
15°	650.5	754.7	1132.0	1863.5	2253.6
16°	554.4	651.6	1020.9	1781.3	2193.4
17°	485.0	562.5	916.7	1694.5	2134.4
18°	430.6	488.4	818.3	1608.9	2071.9
19°	382.0	428.3	726.9	1519.7	2002.4
20°	338.0	379.6	643.5	1427.1	1928.3
21°	300.9	336.8	566.0	1335.7	1853.1
22°	268.5	299.8	496.6	1245.4	1770.9
23°	238.4	266.2	437.5	1154.0	1688.7
24°	209.5	239.6	385.4	1061.4	1603.1
25°	181.7	211.8	340.3	972.3	1512.8
26°	159.7	187.5	302.1	885.5	1419.0
27°	137.7	166.7	268.5	802.1	1324.1
28°	120.4	147.0	238.4	722.3	1221.1
29°	104.2	129.6	210.7	643.5	1115.8
30°	92.6	112.3	185.2	569.5	1007.0
32.5°	63.7	75.2	129.6	400.5	735.0
35°	38.2	47.5	84.5	257.0	496.6
37.5°	20.8	25.5	48.6	153.9	312.5
40°	10.4	12.7	23.1	75.2	175.9
42.5°	4.6	5.8	10.4	28.9	75.2
45°	2.3	3.5	5.8	11.6	24.3
47.5°	1.2	2.3	2.3	4.6	6.9
50°	1.2	1.2	1.2	2.3	2.3
52.5°	1.2	1.2	1.2	2.3	2.3
55°	1.2	1.2	1.2	1.2	1.2
57.5°	0.0	1.2	1.2	1.2	1.2
60°	0.0	1.2	1.2	1.2	1.2
62.5°	0.0	1.2	1.2	1.2	1.2
65°	0.0	1.2	1.2	1.2	1.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.2	1.2	1.2	1.2
70°	0.0	1.2	1.2	1.2	1.2
72.5°	0.0	1.2	1.2	1.2	1.2
75°	0.0	1.2	1.2	1.2	1.2
77.5°	0.0	1.2	1.2	1.2	1.2
80°	0.0	0.0	1.2	1.2	1.2
82.5°	0.0	0.0	1.2	1.2	1.2
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)