

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: P1179378

Luminaire Tested: LDA2B159027R2060D010 2LBD1B

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179378
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: LDA2B159027R2060D010 2LBD1B
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

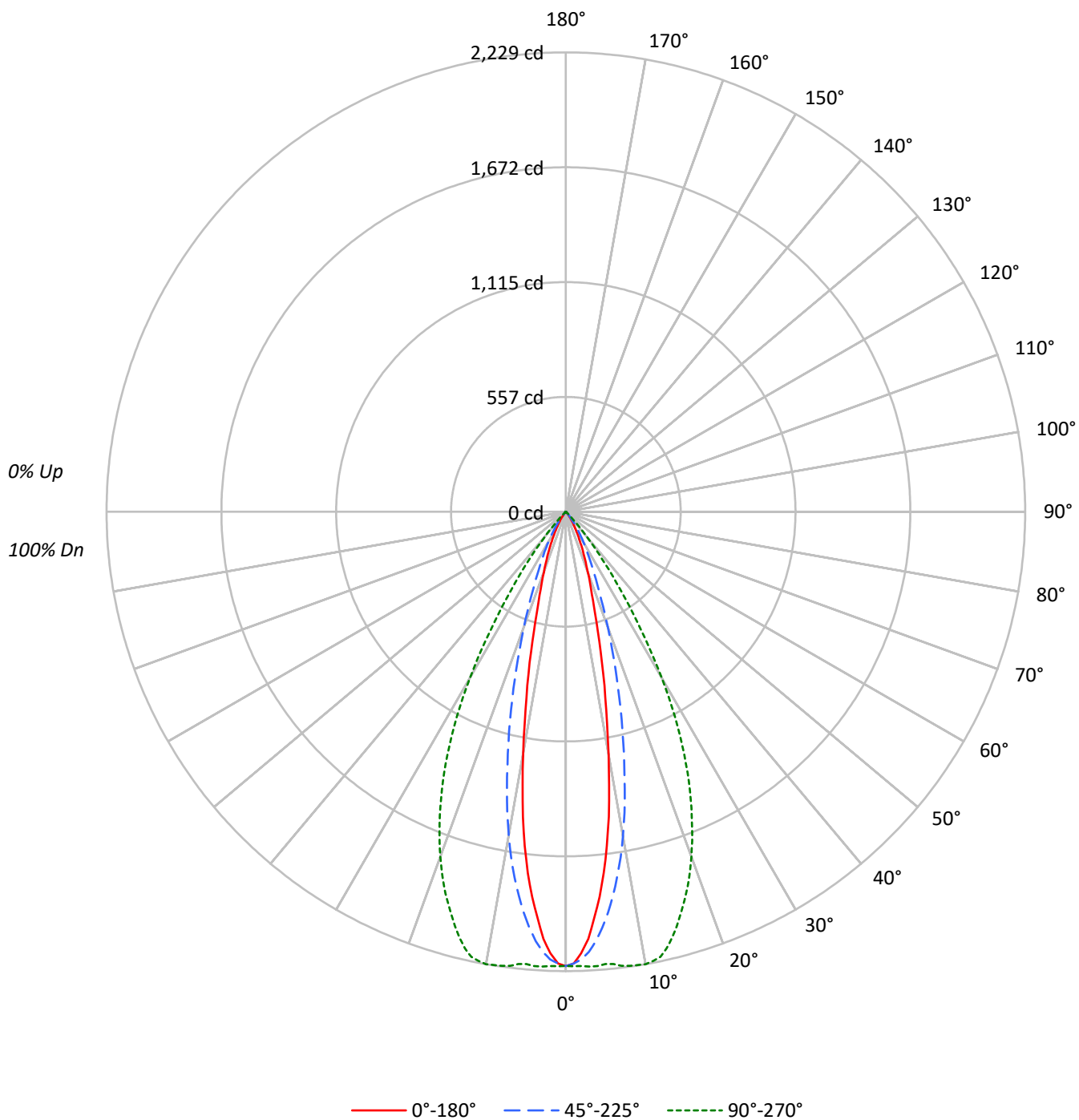
Lumens per Lamp: N/A
Luminaire Lumens: 878.2 lumens
Efficiency: N/A
Efficacy: 62.3 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	1087665	1087665	1087665
5°	928835	1003963	1090780
10°	598011	800354	1116768
15°	306766	533801	1062699
20°	163808	311970	934754
25°	91344	171039	760314
30°	48708	97416	529636
35°	21261	46978	276087
40°	6183	13782	104592
45°	1465	3698	15629
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: 15629 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.0	20.7
10°-20°	331.2	37.7
20°-30°	251.1	28.6
30°-40°	100.5	11.4
40°-50°	10.2	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°	764.3	87.0
0°-40°	864.7	98.5
0°-60°	876.0	99.7
0°-90°	878.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	878.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2205	2205	2205	2205	2205	
5°	1876	1917	2027	2145	2202	157
15°	601	697	1045	1720	2081	172
25°	168	196	314	898	1397	79
35°	35	44	78	237	458	24
45°	2	3	5	11	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°	2204.6	2204.6	2204.6	2204.6	2204.6
1°	2192.9	2193.9	2191.8	2195.0	2205.7
2°	2143.7	2159.7	2173.6	2187.5	2205.7
3°	2075.3	2094.5	2138.4	2182.2	2209.9
4°	1974.8	2014.4	2089.2	2169.3	2209.9
5°	1875.5	1917.1	2027.2	2144.8	2202.5
6°	1762.2	1822.0	1955.6	2121.3	2206.7
7°	1634.0	1707.7	1876.5	2106.3	2219.6
8°	1495.0	1578.4	1790.0	2074.2	2224.9
9°	1341.1	1442.7	1698.1	2035.8	2227.0
10°	1193.7	1300.5	1597.6	1991.9	2229.2
11°	1046.2	1157.3	1488.6	1949.2	2220.6
12°	921.2	1027.0	1374.3	1904.3	2207.8
13°	805.8	908.3	1261.0	1850.9	2174.7
14°	698.9	799.3	1152.0	1788.9	2130.9
15°	600.6	696.8	1045.1	1720.5	2080.6
16°	511.9	601.6	942.5	1644.6	2025.1
17°	447.8	519.4	846.4	1564.5	1970.6
18°	397.5	451.0	755.5	1485.4	1912.9
19°	352.7	395.4	671.1	1403.1	1848.7
20°	312.0	350.5	594.2	1317.6	1780.4
21°	277.8	311.0	522.6	1233.2	1710.9
22°	247.9	276.8	458.4	1149.9	1635.0
23°	220.1	245.8	403.9	1065.4	1559.1
24°	193.4	221.2	355.9	979.9	1480.1
25°	167.8	195.6	314.2	897.7	1396.7
26°	147.5	173.1	278.9	817.5	1310.2
27°	127.2	153.9	247.9	740.6	1222.5
28°	111.1	135.7	220.1	666.8	1127.4
29°	96.2	119.7	194.5	594.2	1030.2
30°	85.5	103.7	171.0	525.8	929.7
32.5°	58.8	69.5	119.7	369.7	678.6
35°	35.3	43.8	78.0	237.2	458.4
37.5°	19.2	23.5	44.9	142.1	288.5
40°	9.6	11.8	21.4	69.5	162.4
42.5°	4.3	5.3	9.6	26.7	69.5
45°	2.1	3.2	5.3	10.7	22.4
47.5°	1.1	2.1	2.1	4.3	6.4
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)