

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: P1179390

Luminaire Tested: LDA2B159027R2060D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179390
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 2LBDC1MW
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

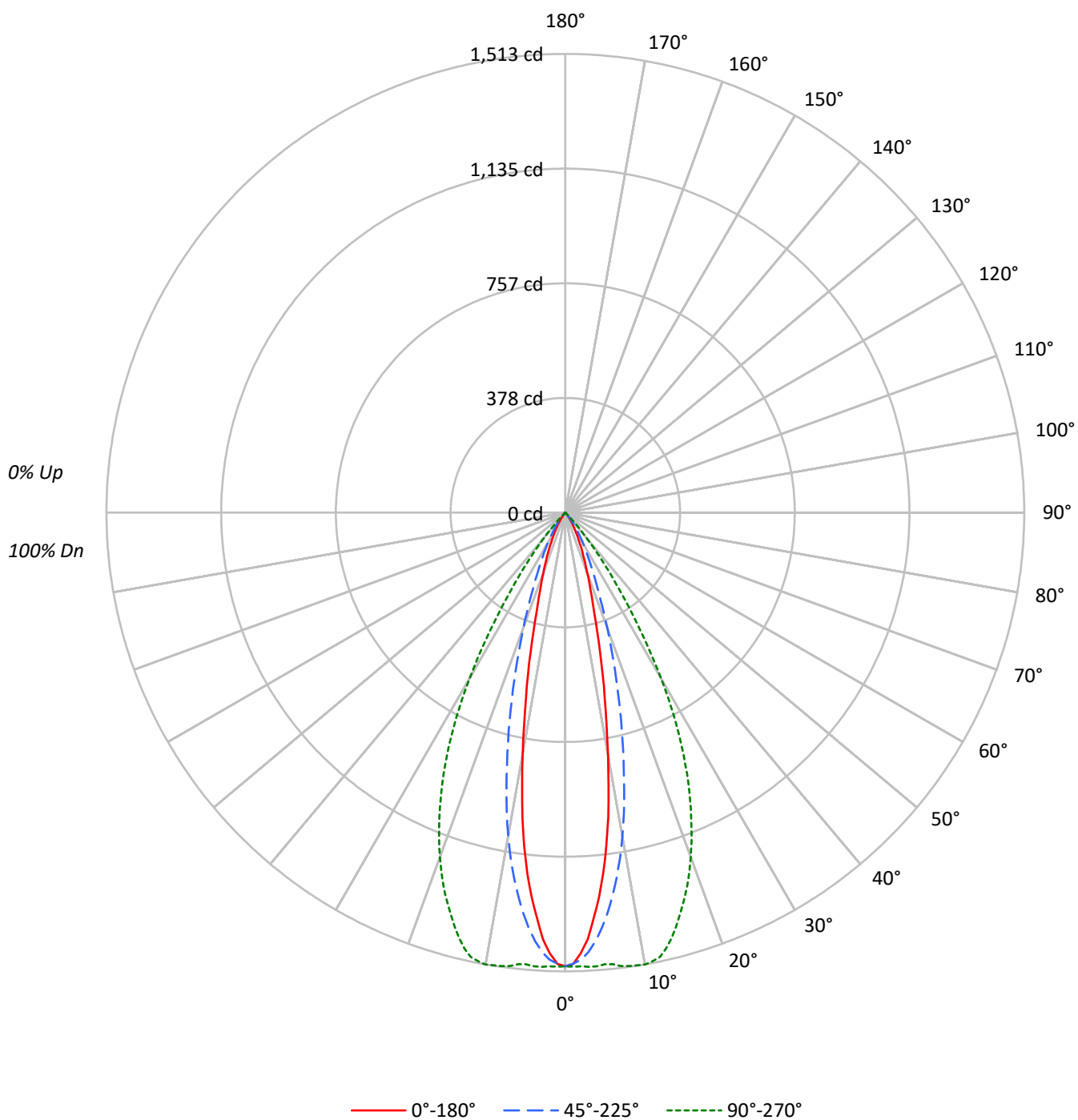
Lumens per Lamp: N/A
Luminaire Lumens: 596.1 lumens
Efficiency: N/A
Efficacy: 42.3 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95
3	105	100	96	92	103	99	95	92	96	93	90		94	91	89		91
4	101	95	90	87	99	94	89	86	92	88	85		90	87	84		88
5	97	90	85	82	96	89	85	81	88	84	81		86	83	80		85
6	93	86	81	77	92	85	81	77	84	80	77		83	79	76		81
7	90	82	77	74	89	81	77	73	80	76	73		79	75	73		78
8	86	79	74	70	85	78	73	70	77	73	70		76	72	69		75
9	83	75	70	67	82	75	70	67	74	70	67		73	69	66		72
10	80	72	67	64	79	72	67	64	71	67	64		70	66	64		70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	738365	738365	738365
5°	630548	681558	740443
10°	405938	543305	758122
15°	208239	362388	721405
20°	111200	211742	634545
25°	62003	116113	516166
30°	33042	66140	359528
35°	14395	31921	187431
40°	4186	9339	71037
45°	1047	2512	10605
50°	537	537	1151
55°	602	602	602
60°	0	691	691
65°	0	817	817
70°	0	1010	1010
75°	0	1334	1334
80°	0	1989	1989
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 10605 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.5	20.7
10°-20°	224.9	37.7
20°-30°	170.5	28.6
30°-40°	68.2	11.4
40°-50°	6.9	1.2
50°-60°	0.7	0.1
60°-70°	0.6	0.1
70°-80°	0.6	0.1
80°-90°	0.2	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°	518.8	87.0
0°-40°	587.0	98.5
0°-60°	594.7	99.8
0°-90°	596.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	596.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1497	1497	1497	1497	1497	
5°	1273	1301	1376	1456	1495	107
15°	408	473	710	1168	1412	117
25°	114	133	213	609	948	54
35°	24	30	53	161	311	17
45°	2	2	4	7	15	2
55°	1	1	1	1	1	0
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°	1496.6	1496.6	1496.6	1496.6	1496.6
1°	1488.6	1489.3	1487.9	1490.1	1497.3
2°	1455.2	1466.1	1475.5	1485.0	1497.3
3°	1408.8	1421.9	1451.6	1481.4	1500.2
4°	1340.6	1367.5	1418.2	1472.6	1500.2
5°	1273.2	1301.4	1376.2	1456.0	1495.1
6°	1196.3	1236.9	1327.6	1440.0	1498.0
7°	1109.2	1159.3	1273.9	1429.8	1506.7
8°	1014.9	1071.5	1215.1	1408.1	1510.4
9°	910.4	979.3	1152.7	1382.0	1511.8
10°	810.3	882.9	1084.5	1352.2	1513.3
11°	710.2	785.7	1010.5	1323.2	1507.5
12°	625.3	697.1	932.9	1292.7	1498.8
13°	547.0	616.6	856.0	1256.5	1476.3
14°	474.4	542.6	782.0	1214.4	1446.5
15°	407.7	473.0	709.5	1168.0	1412.4
16°	347.5	408.4	639.8	1116.5	1374.7
17°	304.0	352.6	574.5	1062.0	1337.7
18°	269.9	306.1	512.9	1008.4	1298.5
19°	239.4	268.4	455.6	952.5	1255.0
20°	211.8	237.9	403.3	894.5	1208.6
21°	188.6	211.1	354.7	837.2	1161.4
22°	168.3	187.9	311.2	780.6	1109.9
23°	149.4	166.9	274.2	723.3	1058.4
24°	131.3	150.2	241.6	665.2	1004.7
25°	113.9	132.8	213.3	609.4	948.2
26°	100.1	117.5	189.3	555.0	889.4
27°	86.3	104.5	168.3	502.7	829.9
28°	75.4	92.1	149.4	452.7	765.3
29°	65.3	81.2	132.0	403.3	699.3
30°	58.0	70.4	116.1	356.9	631.1
32.5°	39.9	47.2	81.2	251.0	460.7
35°	23.9	29.7	53.0	161.0	311.2
37.5°	13.1	16.0	30.5	96.5	195.9
40°	6.5	8.0	14.5	47.2	110.3
42.5°	2.9	3.6	6.5	18.1	47.2
45°	1.5	2.2	3.6	7.3	15.2
47.5°	0.7	1.5	1.5	2.9	4.4
50°	0.7	0.7	0.7	1.5	1.5
52.5°	0.7	0.7	0.7	1.5	1.5
55°	0.7	0.7	0.7	0.7	0.7
57.5°	0.0	0.7	0.7	0.7	0.7
60°	0.0	0.7	0.7	0.7	0.7
62.5°	0.0	0.7	0.7	0.7	0.7
65°	0.0	0.7	0.7	0.7	0.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	0.7	0.7	0.7	0.7
70°	0.0	0.7	0.7	0.7	0.7
72.5°	0.0	0.7	0.7	0.7	0.7
75°	0.0	0.7	0.7	0.7	0.7
77.5°	0.0	0.7	0.7	0.7	0.7
80°	0.0	0.0	0.7	0.7	0.7
82.5°	0.0	0.0	0.7	0.7	0.7
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)