

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: P1179585

Luminaire Tested: LDA2B159727R2060D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179585
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: LDA2B159727R2060D010 2LBDC1MW
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

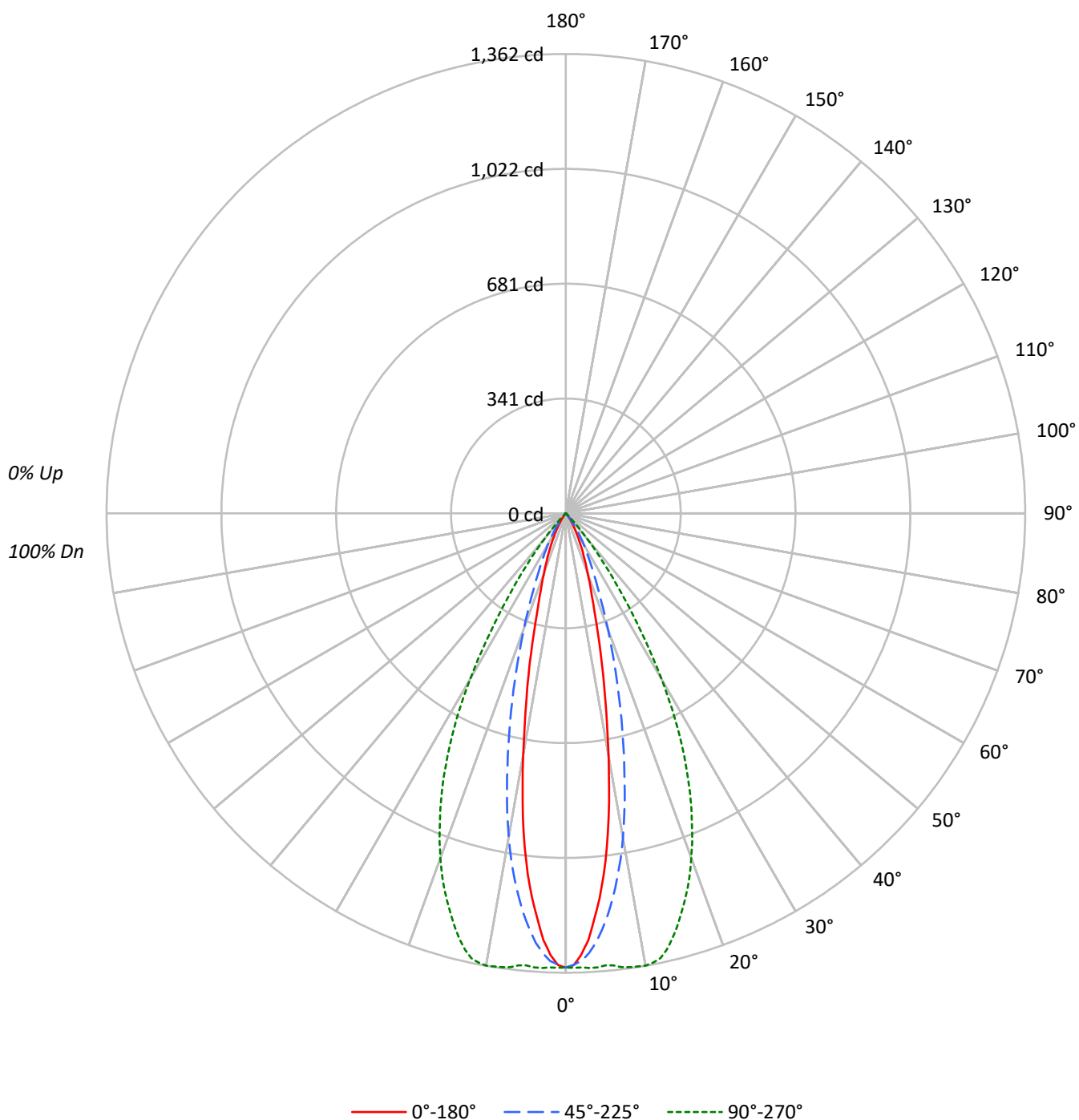
Lumens per Lamp: N/A
Luminaire Lumens: 536.5 lumens
Efficiency: N/A
Efficacy: 38.0 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	664361	664361	664361
5°	567354	613214	666255
10°	365259	488849	682124
15°	187349	326073	649132
20°	100070	190531	570964
25°	55797	104464	464397
30°	29738	59475	323524
35°	12949	28669	168639
40°	3800	8437	63889
45°	907	2302	9559
50°	537	537	998
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: 9559 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.1	20.7
10°-20°	202.3	37.7
20°-30°	153.4	28.6
30°-40°	61.4	11.4
40°-50°	6.2	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°	466.8	87.0
0°-40°	528.2	98.4
0°-60°	535.1	99.7
0°-90°	536.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	536.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1347	1347	1347	1347	1347	
5°	1146	1171	1238	1310	1345	96
15°	367	426	638	1051	1271	105
25°	102	120	192	548	853	49
35°	22	27	48	145	280	15
45°	1	2	3	6	14	1
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°	1346.6	1346.6	1346.6	1346.6	1346.6
1°	1339.4	1340.1	1338.8	1340.7	1347.2
2°	1309.4	1319.2	1327.7	1336.1	1347.2
3°	1267.6	1279.4	1306.1	1332.9	1349.9
4°	1206.3	1230.4	1276.1	1325.1	1349.9
5°	1145.6	1171.0	1238.2	1310.0	1345.3
6°	1076.4	1112.9	1194.5	1295.7	1347.9
7°	998.0	1043.1	1146.2	1286.5	1355.7
8°	913.2	964.1	1093.3	1267.0	1359.0
9°	819.2	881.2	1037.2	1243.5	1360.3
10°	729.1	794.4	975.8	1216.7	1361.6
11°	639.0	706.9	909.3	1190.6	1356.4
12°	562.7	627.3	839.4	1163.2	1348.6
13°	492.2	554.8	770.2	1130.5	1328.3
14°	426.9	488.2	703.6	1092.7	1301.6
15°	366.8	425.6	638.4	1050.9	1270.9
16°	312.7	367.5	575.7	1004.6	1236.9
17°	273.5	317.2	517.0	955.6	1203.6
18°	242.8	275.5	461.5	907.3	1168.4
19°	215.4	241.5	409.9	857.0	1129.2
20°	190.6	214.1	362.9	804.8	1087.5
21°	169.7	189.9	319.2	753.3	1045.0
22°	151.4	169.1	280.0	702.3	998.7
23°	134.5	150.1	246.7	650.8	952.3
24°	118.1	135.1	217.4	598.6	904.0
25°	102.5	119.5	191.9	548.3	853.1
26°	90.1	105.7	170.4	499.3	800.3
27°	77.7	94.0	151.4	452.3	746.7
28°	67.9	82.9	134.5	407.3	688.6
29°	58.7	73.1	118.8	362.9	629.2
30°	52.2	63.3	104.4	321.1	567.9
32.5°	35.9	42.4	73.1	225.8	414.5
35°	21.5	26.8	47.6	144.9	280.0
37.5°	11.7	14.4	27.4	86.8	176.2
40°	5.9	7.2	13.1	42.4	99.2
42.5°	2.6	3.3	5.9	16.3	42.4
45°	1.3	2.0	3.3	6.5	13.7
47.5°	0.7	1.3	1.3	2.6	3.9
50°	0.7	0.7	0.7	1.3	1.3
52.5°	0.7	0.7	0.7	1.3	1.3
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)