

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: P1179624

Luminaire Tested: LDA2B159730R2060D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179624
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: LDA2B159730R2060D010 2LBDC1MW
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

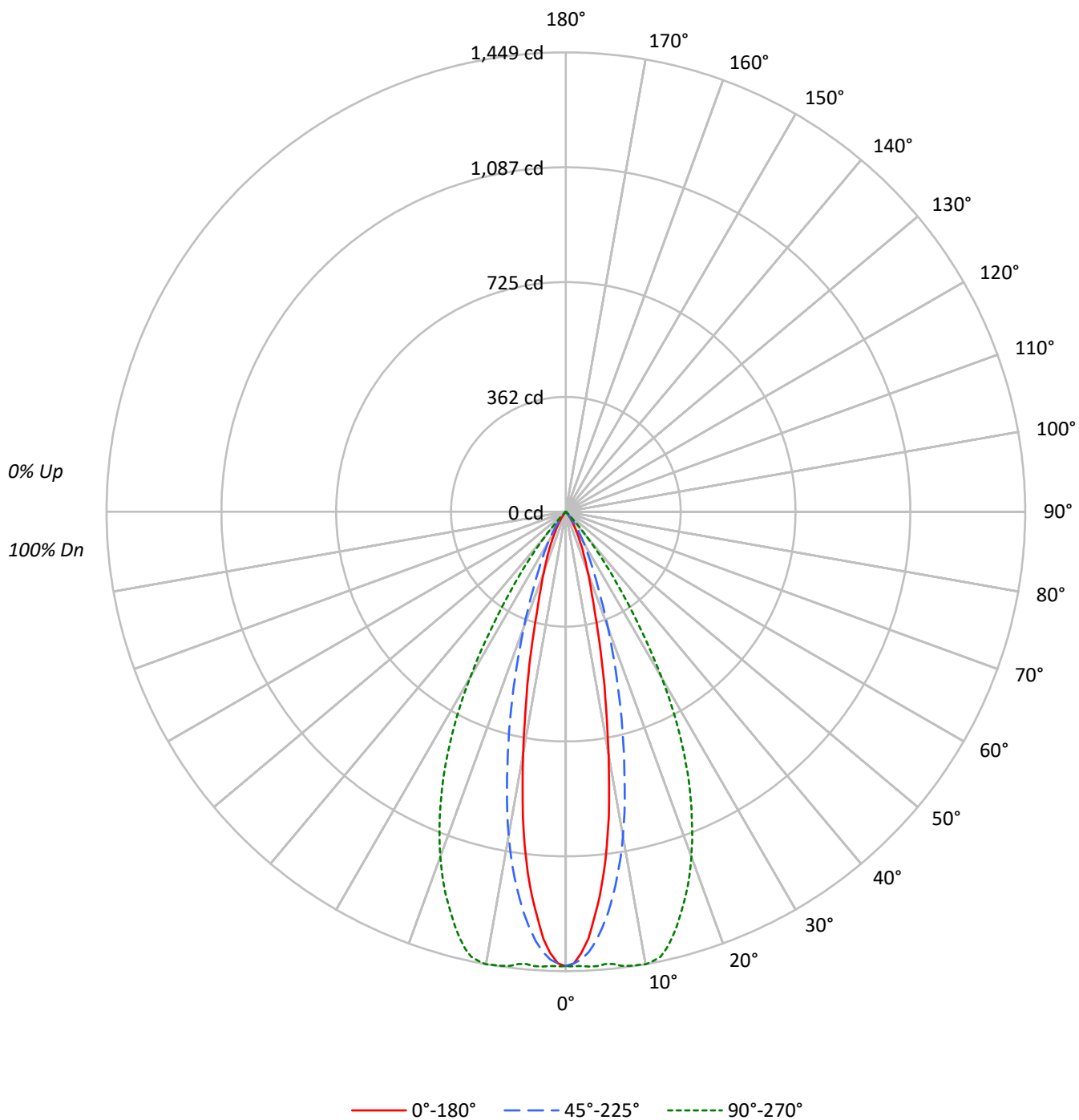
Lumens per Lamp: N/A
Luminaire Lumens: 570.9 lumens
Efficiency: N/A
Efficacy: 40.5 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	707086	707086	707086
5°	603804	652636	709094
10°	388755	520310	725960
15°	199403	347014	690862
20°	106528	202817	607664
25°	59390	111159	494283
30°	31674	63349	344318
35°	13792	30536	179480
40°	4057	8952	68010
45°	977	2442	10187
50°	537	537	1075
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: 10187 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.3	20.7
10°-20°	215.3	37.7
20°-30°	163.2	28.6
30°-40°	65.3	11.4
40°-50°	6.6	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°	496.8	87.0
0°-40°	562.2	98.5
0°-60°	569.5	99.8
0°-90°	570.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	570.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1433	1433	1433	1433	1433	
5°	1219	1246	1318	1394	1432	102
15°	390	453	679	1118	1353	112
25°	109	127	204	584	908	52
35°	23	28	51	154	298	16
45°	1	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°	1433.2	1433.2	1433.2	1433.2	1433.2
1°	1425.5	1426.2	1424.8	1426.9	1433.9
2°	1393.6	1404.0	1413.0	1422.1	1433.9
3°	1349.1	1361.6	1390.1	1418.6	1436.6
4°	1283.8	1309.5	1358.1	1410.2	1436.6
5°	1219.2	1246.3	1317.8	1394.3	1431.8
6°	1145.6	1184.5	1271.3	1379.0	1434.6
7°	1062.2	1110.1	1219.9	1369.3	1442.9
8°	971.9	1026.1	1163.6	1348.4	1446.4
9°	871.8	937.8	1103.9	1323.4	1447.8
10°	776.0	845.5	1038.6	1294.9	1449.1
11°	680.1	752.4	967.7	1267.1	1443.6
12°	598.8	667.6	893.4	1238.0	1435.3
13°	523.8	590.5	819.7	1203.2	1413.7
14°	454.3	519.6	748.9	1162.9	1385.2
15°	390.4	452.9	679.4	1118.5	1352.6
16°	332.8	391.1	612.7	1069.1	1316.5
17°	291.1	337.6	550.2	1017.0	1281.0
18°	258.4	293.2	491.2	965.6	1243.5
19°	229.3	257.0	436.3	912.1	1201.8
20°	202.9	227.9	386.3	856.6	1157.4
21°	180.6	202.2	339.7	801.7	1112.2
22°	161.2	179.9	298.0	747.5	1062.9
23°	143.1	159.8	262.6	692.6	1013.6
24°	125.7	143.8	231.3	637.0	962.2
25°	109.1	127.1	204.2	583.5	908.0
26°	95.9	112.5	181.3	531.4	851.7
27°	82.7	100.0	161.2	481.4	794.7
28°	72.2	88.2	143.1	433.5	732.9
29°	62.5	77.8	126.4	386.3	669.7
30°	55.6	67.4	111.2	341.8	604.4
32.5°	38.2	45.2	77.8	240.4	441.1
35°	22.9	28.5	50.7	154.2	298.0
37.5°	12.5	15.3	29.2	92.4	187.6
40°	6.3	7.6	13.9	45.2	105.6
42.5°	2.8	3.5	6.3	17.4	45.2
45°	1.4	2.1	3.5	6.9	14.6
47.5°	0.7	1.4	1.4	2.8	4.2
50°	0.7	0.7	0.7	1.4	1.4
52.5°	0.7	0.7	0.7	1.4	1.4
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)