

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: P1178420

Luminaire Tested: LDA2B059030R2060D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178420
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: LDA2B059030R2060D010 2LBDC1MMS
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

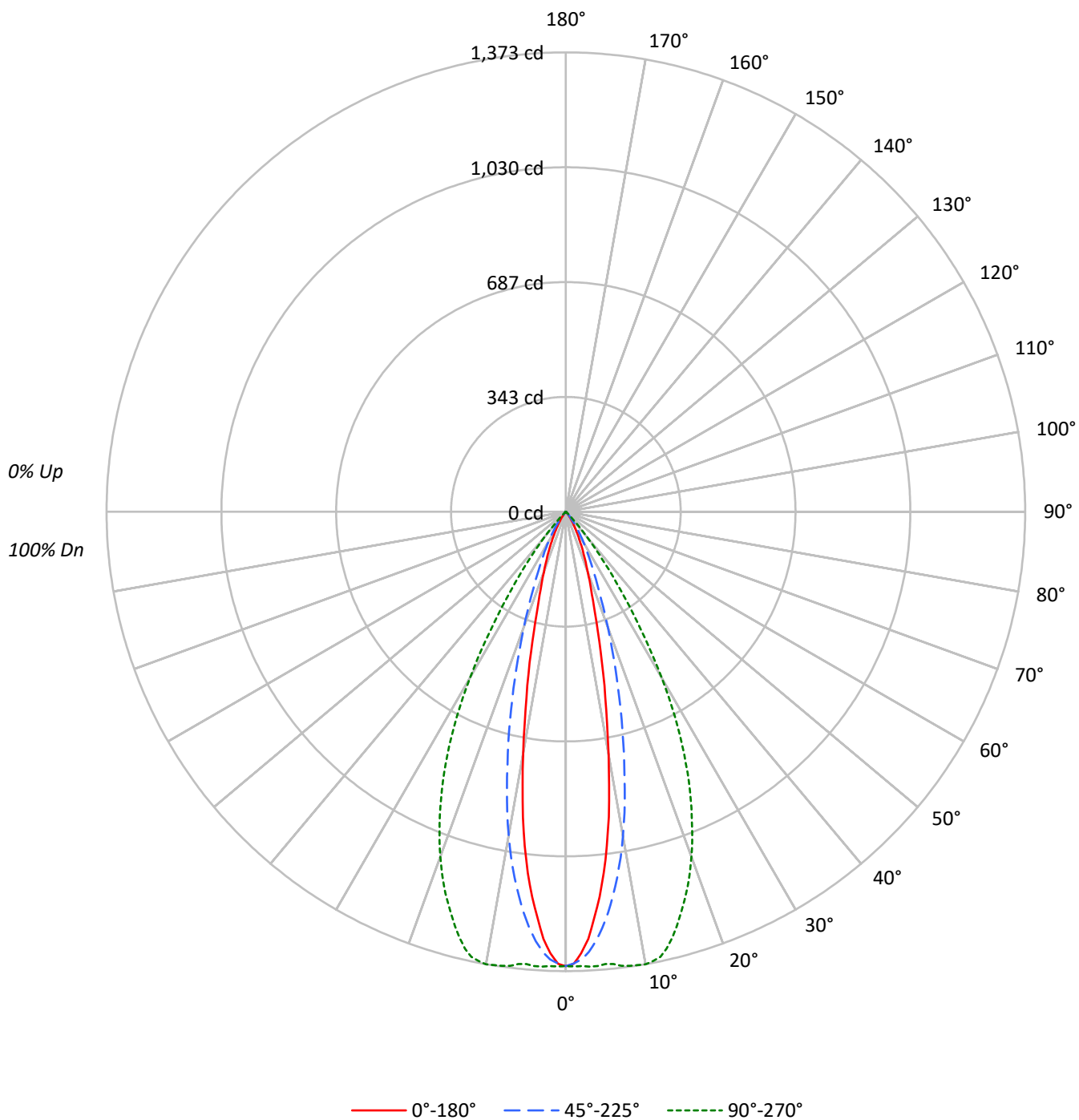
Lumens per Lamp: N/A
Luminaire Lumens: 541.1 lumens
Efficiency: N/A
Efficacy: 77.3 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7
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°	670035	670035	670035
5°	572158	618464	671950
10°	368365	493057	687936
15°	188983	328831	654648
20°	100910	192159	575847
25°	56287	105335	468371
30°	30022	59988	326259
35°	13070	28970	170085
40°	3800	8501	64468
45°	907	2302	9629
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: 9629 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.1	20.7
10°-20°	204.0	37.7
20°-30°	154.7	28.6
30°-40°	61.9	11.4
40°-50°	6.3	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°	470.8	87.0
0°-40°	532.7	98.5
0°-60°	539.7	99.7
0°-90°	541.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	541.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1358	1358	1358	1358	1358	
5°	1155	1181	1249	1321	1357	97
15°	370	429	644	1060	1282	106
25°	103	120	194	553	860	49
35°	22	27	48	146	282	15
45°	1	2	3	7	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°	1358.1	1358.1	1358.1	1358.1	1358.1
1°	1350.9	1351.5	1350.2	1352.2	1358.8
2°	1320.6	1330.5	1339.0	1347.6	1358.8
3°	1278.4	1290.3	1317.3	1344.3	1361.4
4°	1216.6	1240.9	1287.0	1336.4	1361.4
5°	1155.3	1181.0	1248.8	1321.2	1356.8
6°	1085.6	1122.4	1204.7	1306.8	1359.4
7°	1006.6	1052.0	1156.0	1297.5	1367.3
8°	921.0	972.3	1102.7	1277.8	1370.6
9°	826.2	888.7	1046.1	1254.1	1371.9
10°	735.3	801.2	984.2	1227.1	1373.2
11°	644.5	713.0	917.0	1200.8	1368.0
12°	567.5	632.6	846.6	1173.1	1360.1
13°	496.4	559.6	776.8	1140.2	1339.7
14°	430.5	492.4	709.7	1102.0	1312.7
15°	370.0	429.2	643.8	1059.9	1281.7
16°	315.3	370.6	580.6	1013.1	1247.5
17°	275.8	319.9	521.4	963.8	1213.9
18°	244.9	277.8	465.4	915.1	1178.4
19°	217.2	243.6	413.4	864.4	1138.9
20°	192.2	215.9	366.0	811.7	1096.8
21°	171.2	191.6	321.9	759.7	1054.0
22°	152.7	170.5	282.4	708.3	1007.2
23°	135.6	151.4	248.8	656.3	960.5
24°	119.2	136.3	219.2	603.7	911.8
25°	103.4	120.5	193.5	553.0	860.4
26°	90.8	106.6	171.8	503.6	807.1
27°	78.3	94.8	152.7	456.2	753.1
28°	68.5	83.6	135.6	410.8	694.5
29°	59.2	73.7	119.8	366.0	634.6
30°	52.7	63.9	105.3	323.9	572.7
32.5°	36.2	42.8	73.7	227.8	418.0
35°	21.7	27.0	48.1	146.1	282.4
37.5°	11.8	14.5	27.6	87.6	177.7
40°	5.9	7.2	13.2	42.8	100.1
42.5°	2.6	3.3	5.9	16.5	42.8
45°	1.3	2.0	3.3	6.6	13.8
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)