

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: P1178381

Luminaire Tested: LDA2B059027R2060D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178381
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: LDA2B059027R2060D010 2LBDC1MMS
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

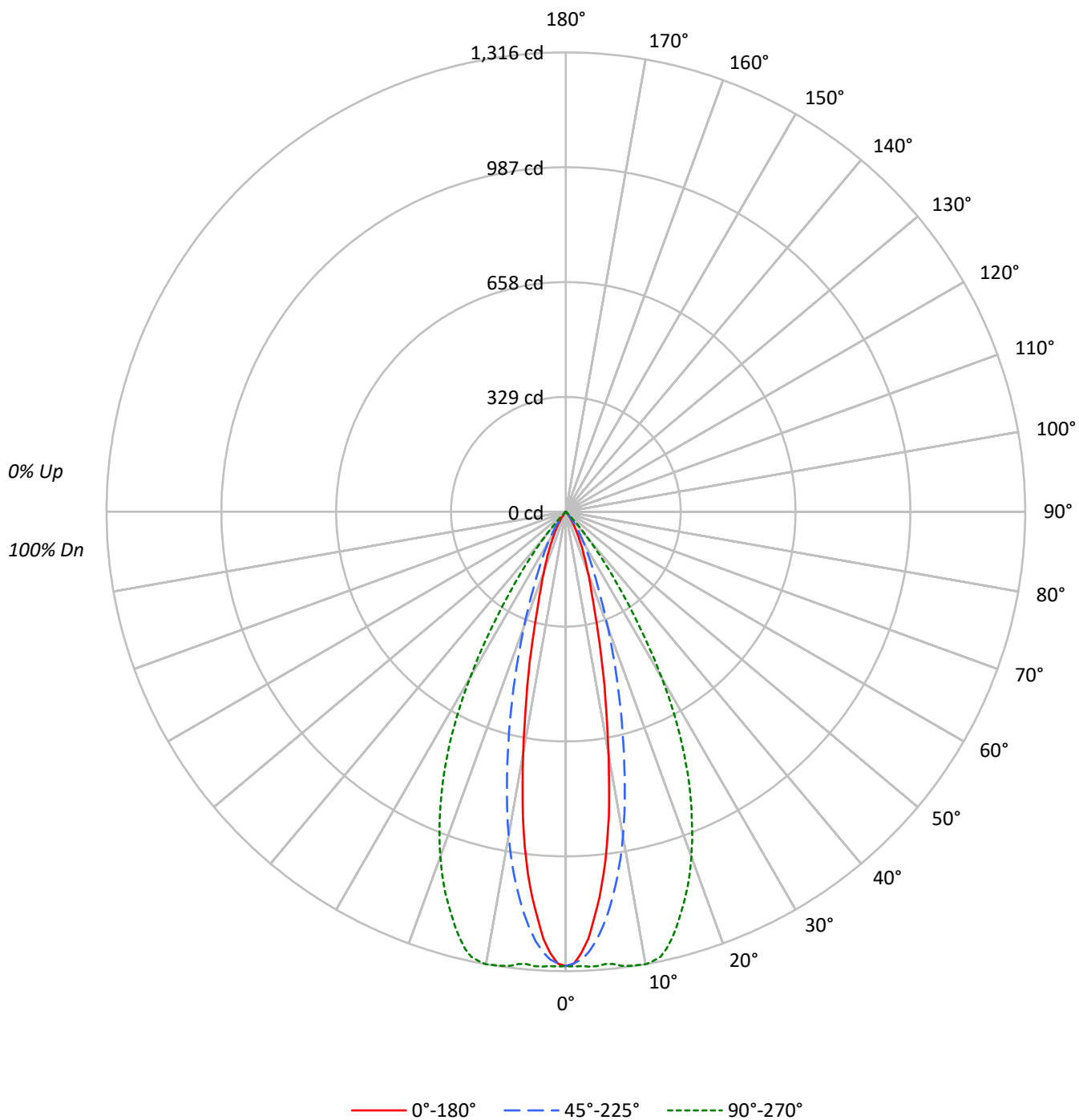
Lumens per Lamp: N/A
Luminaire Lumens: 518.4 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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
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	67	64		70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	642209	642209	642209
5°	548436	592810	644068
10°	353086	472568	659430
15°	181118	315194	627476
20°	96762	184179	551906
25°	53947	100980	448937
30°	28769	57538	312757
35°	12527	27765	163038
40°	3671	8115	61763
45°	907	2233	9280
50°	461	461	998
55°	516	516	516
60°	0	592	592
65°	0	700	700
70°	0	865	865
75°	0	1144	1144
80°	0	1705	1705
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 9280 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.4	20.7
10°-20°	195.6	37.7
20°-30°	148.3	28.6
30°-40°	59.3	11.4
40°-50°	6.0	1.2
50°-60°	0.6	0.1
60°-70°	0.5	0.1
70°-80°	0.5	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°	451.3	87.0
0°-40°	510.6	98.5
0°-60°	517.2	99.8
0°-90°	518.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	518.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1302	1302	1302	1302	1302	
5°	1107	1132	1197	1266	1300	93
15°	355	411	617	1016	1228	101
25°	99	116	186	530	825	47
35°	21	26	46	140	271	14
45°	1	2	3	6	13	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°	1301.7	1301.7	1301.7	1301.7	1301.7
1°	1294.8	1295.4	1294.2	1296.1	1302.4
2°	1265.8	1275.2	1283.4	1291.6	1302.4
3°	1225.4	1236.7	1262.6	1288.5	1304.9
4°	1166.1	1189.4	1233.6	1280.9	1304.9
5°	1107.4	1132.0	1197.0	1266.4	1300.5
6°	1040.5	1075.8	1154.7	1252.5	1303.0
7°	964.8	1008.3	1108.0	1243.7	1310.6
8°	882.8	932.0	1056.9	1224.8	1313.7
9°	791.9	851.8	1002.6	1202.0	1315.0
10°	704.8	767.9	943.3	1176.2	1316.3
11°	617.7	683.4	879.0	1150.9	1311.2
12°	543.9	606.4	811.5	1124.4	1303.6
13°	475.8	536.3	744.6	1092.9	1284.1
14°	412.7	472.0	680.2	1056.3	1258.2
15°	354.6	411.4	617.1	1015.9	1228.5
16°	302.2	355.2	556.5	971.1	1195.7
17°	264.4	306.7	499.7	923.8	1163.6
18°	234.7	266.3	446.1	877.1	1129.5
19°	208.2	233.5	396.3	828.5	1091.6
20°	184.3	207.0	350.8	778.0	1051.2
21°	164.1	183.6	308.6	728.2	1010.2
22°	146.4	163.4	270.7	678.9	965.4
23°	130.0	145.1	238.5	629.1	920.6
24°	114.2	130.6	210.1	578.6	873.9
25°	99.1	115.5	185.5	530.0	824.7
26°	87.1	102.2	164.7	482.7	773.6
27°	75.1	90.9	146.4	437.3	721.9
28°	65.6	80.1	130.0	393.7	665.7
29°	56.8	70.7	114.8	350.8	608.3
30°	50.5	61.2	101.0	310.4	549.0
32.5°	34.7	41.0	70.7	218.3	400.7
35°	20.8	25.9	46.1	140.1	270.7
37.5°	11.4	13.9	26.5	83.9	170.4
40°	5.7	6.9	12.6	41.0	95.9
42.5°	2.5	3.2	5.7	15.8	41.0
45°	1.3	1.9	3.2	6.3	13.3
47.5°	0.6	1.3	1.3	2.5	3.8
50°	0.6	0.6	0.6	1.3	1.3
52.5°	0.6	0.6	0.6	1.3	1.3
55°	0.6	0.6	0.6	0.6	0.6
57.5°	0.0	0.6	0.6	0.6	0.6
60°	0.0	0.6	0.6	0.6	0.6
62.5°	0.0	0.6	0.6	0.6	0.6
65°	0.0	0.6	0.6	0.6	0.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	0.6	0.6	0.6	0.6
70°	0.0	0.6	0.6	0.6	0.6
72.5°	0.0	0.6	0.6	0.6	0.6
75°	0.0	0.6	0.6	0.6	0.6
77.5°	0.0	0.6	0.6	0.6	0.6
80°	0.0	0.0	0.6	0.6	0.6
82.5°	0.0	0.0	0.6	0.6	0.6
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)