

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: P1178150

Luminaire Tested: LDA2B058027R2060D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178150
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: LDA2B058027R2060D010 2LBDC1MMS
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

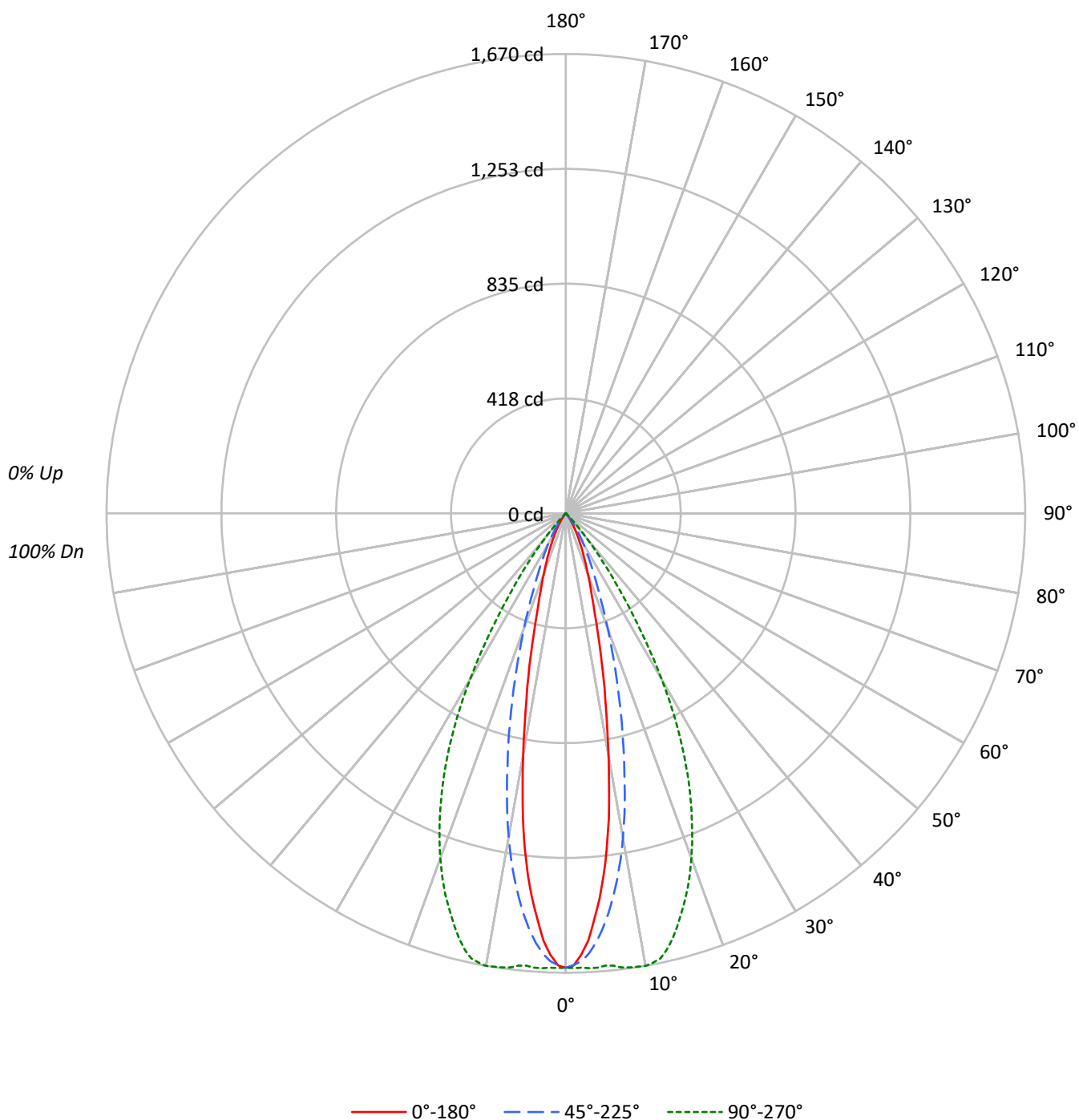
Lumens per Lamp: N/A
Luminaire Lumens: 658.0 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 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		82	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°	814984	814984	814984
5°	695970	752279	817305
10°	448070	599714	836775
15°	229845	399981	796284
20°	122751	233741	700383
25°	68427	128143	569677
30°	36517	72977	396843
35°	15900	35234	206884
40°	4637	10305	78379
45°	1116	2791	11722
50°	614	614	1228
55°	688	688	688
60°	0	789	789
65°	0	934	934
70°	0	1154	1154
75°	0	1525	1525
80°	0	2273	2273
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 11722 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.3	20.7
10°-20°	248.2	37.7
20°-30°	188.1	28.6
30°-40°	75.3	11.4
40°-50°	7.6	1.2
50°-60°	0.8	0.1
60°-70°	0.7	0.1
70°-80°	0.7	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°	572.7	87.0
0°-40°	647.9	98.5
0°-60°	656.3	99.8
0°-90°	658.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	658.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1652	1652	1652	1652	1652	
5°	1405	1436	1519	1607	1650	118
15°	450	522	783	1289	1559	129
25°	126	146	235	673	1046	60
35°	26	33	58	178	344	18
45°	2	2	4	8	17	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°	1651.9	1651.9	1651.9	1651.9	1651.9
1°	1643.1	1643.9	1642.3	1644.7	1652.7
2°	1606.2	1618.2	1628.6	1639.1	1652.7
3°	1555.0	1569.4	1602.2	1635.1	1655.9
4°	1479.7	1509.3	1565.4	1625.4	1655.9
5°	1405.3	1436.5	1519.0	1607.0	1650.3
6°	1320.4	1365.2	1465.3	1589.4	1653.5
7°	1224.3	1279.5	1406.1	1578.2	1663.1
8°	1120.2	1182.7	1341.2	1554.2	1667.1
9°	1004.9	1081.0	1272.3	1525.4	1668.7
10°	894.4	974.5	1197.1	1492.5	1670.3
11°	783.9	867.2	1115.4	1460.5	1663.9
12°	690.2	769.5	1029.7	1426.9	1654.3
13°	603.7	680.6	944.8	1386.8	1629.4
14°	523.7	598.9	863.2	1340.4	1596.6
15°	450.0	522.1	783.1	1289.1	1559.0
16°	383.5	450.8	706.2	1232.3	1517.3
17°	335.5	389.1	634.2	1172.2	1476.5
18°	297.9	337.9	566.1	1113.0	1433.3
19°	264.2	296.3	502.8	1051.3	1385.2
20°	233.8	262.6	445.2	987.3	1334.0
21°	208.2	233.0	391.5	924.0	1281.9
22°	185.8	207.4	343.5	861.6	1225.1
23°	164.9	184.2	302.7	798.3	1168.2
24°	144.9	165.7	266.6	734.3	1109.0
25°	125.7	146.5	235.4	672.6	1046.5
26°	110.5	129.7	209.0	612.5	981.7
27°	95.3	115.3	185.8	554.9	916.0
28°	83.3	101.7	164.9	499.6	844.8
29°	72.1	89.7	145.7	445.2	771.9
30°	64.1	77.7	128.1	394.0	696.6
32.5°	44.0	52.0	89.7	277.0	508.5
35°	26.4	32.8	58.5	177.8	343.5
37.5°	14.4	17.6	33.6	106.5	216.2
40°	7.2	8.8	16.0	52.0	121.7
42.5°	3.2	4.0	7.2	20.0	52.0
45°	1.6	2.4	4.0	8.0	16.8
47.5°	0.8	1.6	1.6	3.2	4.8
50°	0.8	0.8	0.8	1.6	1.6
52.5°	0.8	0.8	0.8	1.6	1.6
55°	0.8	0.8	0.8	0.8	0.8
57.5°	0.0	0.8	0.8	0.8	0.8
60°	0.0	0.8	0.8	0.8	0.8
62.5°	0.0	0.8	0.8	0.8	0.8
65°	0.0	0.8	0.8	0.8	0.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	0.8	0.8	0.8	0.8
70°	0.0	0.8	0.8	0.8	0.8
72.5°	0.0	0.8	0.8	0.8	0.8
75°	0.0	0.8	0.8	0.8	0.8
77.5°	0.0	0.8	0.8	0.8	0.8
80°	0.0	0.0	0.8	0.8	0.8
82.5°	0.0	0.0	0.8	0.8	0.8
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)