

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: P1178142

Luminaire Tested: LDA2B058027R2060D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178142
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 2LBD1LI
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

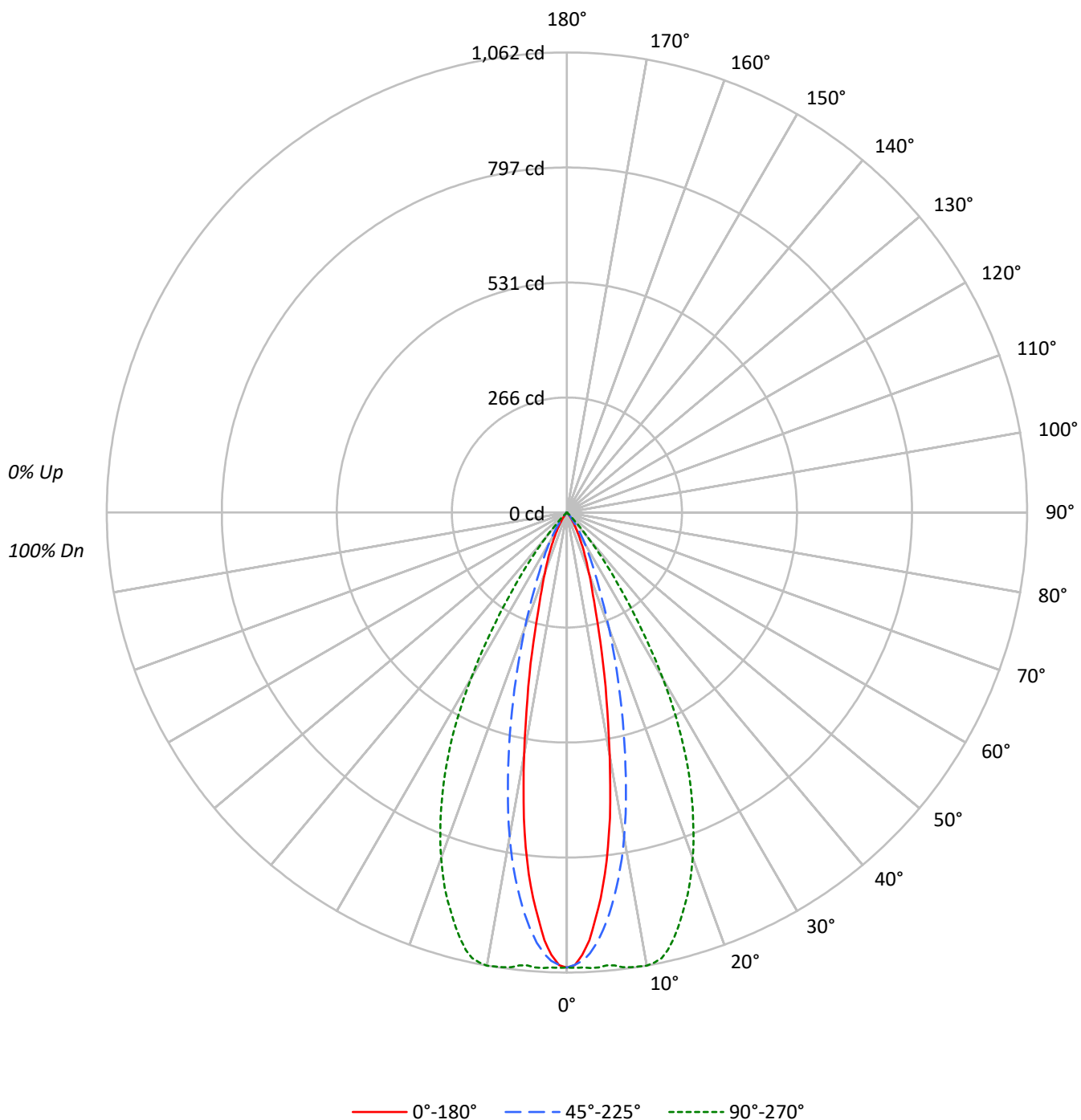
Lumens per Lamp: N/A
Luminaire Lumens: 418.4 lumens
Efficiency: N/A
Efficacy: 59.8 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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					0
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	83	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°	518326	518326	518326
5°	442602	478408	519811
10°	284953	381391	532183
15°	146181	254361	506424
20°	78071	148634	445431
25°	43549	81491	362329
30°	23186	46429	252371
35°	10118	22405	131599
40°	2963	6569	49849
45°	698	1744	7466
50°	384	384	768
55°	430	430	430
60°	0	493	493
65°	0	584	584
70°	0	721	721
75°	0	953	953
80°	0	1421	1421
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7466 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.7	20.7
10°-20°	157.8	37.7
20°-30°	119.7	28.6
30°-40°	47.9	11.4
40°-50°	4.8	1.2
50°-60°	0.5	0.1
60°-70°	0.4	0.1
70°-80°	0.4	0.1
80°-90°	0.1	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°	364.2	87.0
0°-40°	412.1	98.5
0°-60°	417.4	99.8
0°-90°	418.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	418.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1051	1051	1051	1051	1051	
5°	894	914	966	1022	1050	75
15°	286	332	498	820	992	82
25°	80	93	150	428	666	38
35°	17	21	37	113	218	12
45°	1	2	2	5	11	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1050.6	1050.6	1050.6	1050.6	1050.6
1°	1045.0	1045.5	1044.5	1046.0	1051.1
2°	1021.6	1029.2	1035.8	1042.4	1051.1
3°	989.0	998.1	1019.0	1039.9	1053.1
4°	941.1	959.9	995.6	1033.8	1053.1
5°	893.7	913.6	966.0	1022.1	1049.6
6°	839.7	868.3	931.9	1010.9	1051.6
7°	778.6	813.8	894.2	1003.7	1057.7
8°	712.4	752.2	853.0	988.4	1060.3
9°	639.1	687.5	809.2	970.1	1061.3
10°	568.8	619.8	761.3	949.2	1062.3
11°	498.6	551.5	709.4	928.9	1058.2
12°	439.0	489.4	654.9	907.5	1052.1
13°	384.0	432.9	600.9	882.0	1036.3
14°	333.0	380.9	549.0	852.5	1015.4
15°	286.2	332.0	498.0	819.9	991.5
16°	243.9	286.7	449.2	783.7	965.0
17°	213.4	247.5	403.3	745.5	939.1
18°	189.4	214.9	360.0	707.9	911.6
19°	168.1	188.4	319.8	668.6	881.0
20°	148.7	167.0	283.1	627.9	848.4
21°	132.4	148.2	249.0	587.7	815.3
22°	118.1	131.9	218.5	548.0	779.1
23°	104.9	117.1	192.5	507.7	743.0
24°	92.2	105.4	169.6	467.0	705.3
25°	80.0	93.2	149.7	427.8	665.6
26°	70.3	82.5	132.9	389.6	624.3
27°	60.6	73.3	118.1	352.9	582.6
28°	53.0	64.7	104.9	317.8	537.3
29°	45.8	57.0	92.7	283.1	490.9
30°	40.7	49.4	81.5	250.5	443.0
32.5°	28.0	33.1	57.0	176.2	323.4
35°	16.8	20.9	37.2	113.1	218.5
37.5°	9.2	11.2	21.4	67.7	137.5
40°	4.6	5.6	10.2	33.1	77.4
42.5°	2.0	2.5	4.6	12.7	33.1
45°	1.0	1.5	2.5	5.1	10.7
47.5°	0.5	1.0	1.0	2.0	3.1
50°	0.5	0.5	0.5	1.0	1.0
52.5°	0.5	0.5	0.5	1.0	1.0
55°	0.5	0.5	0.5	0.5	0.5
57.5°	0.0	0.5	0.5	0.5	0.5
60°	0.0	0.5	0.5	0.5	0.5
62.5°	0.0	0.5	0.5	0.5	0.5
65°	0.0	0.5	0.5	0.5	0.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	0.5	0.5	0.5	0.5
70°	0.0	0.5	0.5	0.5	0.5
72.5°	0.0	0.5	0.5	0.5	0.5
75°	0.0	0.5	0.5	0.5	0.5
77.5°	0.0	0.5	0.5	0.5	0.5
80°	0.0	0.0	0.5	0.5	0.5
82.5°	0.0	0.0	0.5	0.5	0.5
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)