

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: P1178567

Luminaire Tested: LDA2B059727R2060D010 2LBD1H

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178567
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: LDA2B059727R2060D010 2LBD1H
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

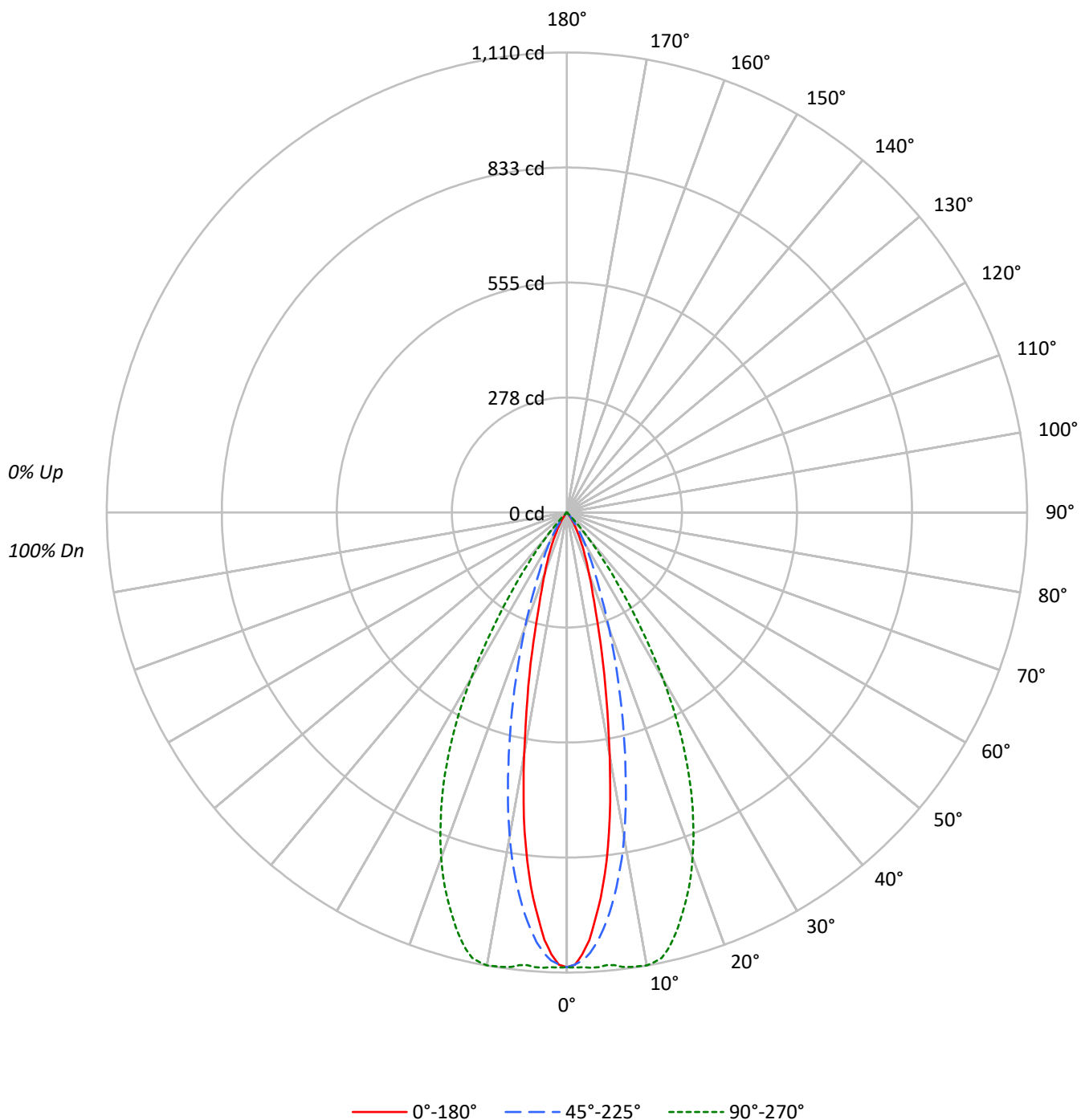
Lumens per Lamp: N/A
Luminaire Lumens: 437.0 lumens
Efficiency: N/A
Efficacy: 62.4 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	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	67	64	70	66	64	64	64	62

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	541366	541366	541366
5°	462312	499704	542939
10°	297628	398373	555879
15°	152668	265700	528949
20°	81536	155250	465277
25°	45454	85139	378442
30°	24269	48480	263650
35°	10600	23369	137441
40°	3091	6827	52103
45°	767	1884	7814
50°	384	384	844
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: 7814 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.6	20.7
10°-20°	164.9	37.7
20°-30°	125.0	28.6
30°-40°	50.0	11.4
40°-50°	5.1	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°	380.4	87.0
0°-40°	430.4	98.5
0°-60°	436.0	99.8
0°-90°	437.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	437.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1097	1097	1097	1097	1097	
5°	934	954	1009	1068	1096	78
15°	299	347	520	856	1036	86
25°	84	97	156	447	695	40
35°	18	22	39	118	228	12
45°	1	2	3	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°	1097.3	1097.3	1097.3	1097.3	1097.3
1°	1091.5	1092.0	1091.0	1092.6	1097.9
2°	1067.0	1075.0	1081.9	1088.8	1097.9
3°	1033.0	1042.6	1064.4	1086.2	1100.0
4°	983.0	1002.7	1039.9	1079.8	1100.0
5°	933.5	954.3	1009.0	1067.6	1096.3
6°	877.1	906.9	973.4	1055.9	1098.4
7°	813.3	850.0	934.0	1048.4	1104.8
8°	744.1	785.6	891.0	1032.4	1107.4
9°	667.6	718.1	845.2	1013.3	1108.5
10°	594.1	647.3	795.2	991.5	1109.6
11°	520.7	576.1	741.0	970.2	1105.3
12°	458.5	511.2	684.0	947.9	1098.9
13°	401.1	452.1	627.7	921.3	1082.4
14°	347.9	397.9	573.4	890.4	1060.6
15°	298.9	346.8	520.2	856.4	1035.6
16°	254.8	299.5	469.1	818.6	1008.0
17°	222.9	258.5	421.3	778.7	980.9
18°	197.9	224.5	376.1	739.4	952.1
19°	175.5	196.8	334.0	698.4	920.2
20°	155.3	174.5	295.7	655.9	886.2
21°	138.3	154.8	260.1	613.8	851.6
22°	123.4	137.8	228.2	572.3	813.8
23°	109.6	122.3	201.1	530.3	776.1
24°	96.3	110.1	177.1	487.8	736.7
25°	83.5	97.3	156.4	446.8	695.2
26°	73.4	86.2	138.8	406.9	652.1
27°	63.3	76.6	123.4	368.6	608.5
28°	55.3	67.6	109.6	331.9	561.2
29°	47.9	59.6	96.8	295.7	512.8
30°	42.6	51.6	85.1	261.7	462.8
32.5°	29.3	34.6	59.6	184.0	337.8
35°	17.6	21.8	38.8	118.1	228.2
37.5°	9.6	11.7	22.3	70.7	143.6
40°	4.8	5.9	10.6	34.6	80.9
42.5°	2.1	2.7	4.8	13.3	34.6
45°	1.1	1.6	2.7	5.3	11.2
47.5°	0.5	1.1	1.1	2.1	3.2
50°	0.5	0.5	0.5	1.1	1.1
52.5°	0.5	0.5	0.5	1.1	1.1
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)