

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: P1179355

Luminaire Tested: LDA2B159027R2040D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179355
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2206-683-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B159027R2040D010 2LBD1LI
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

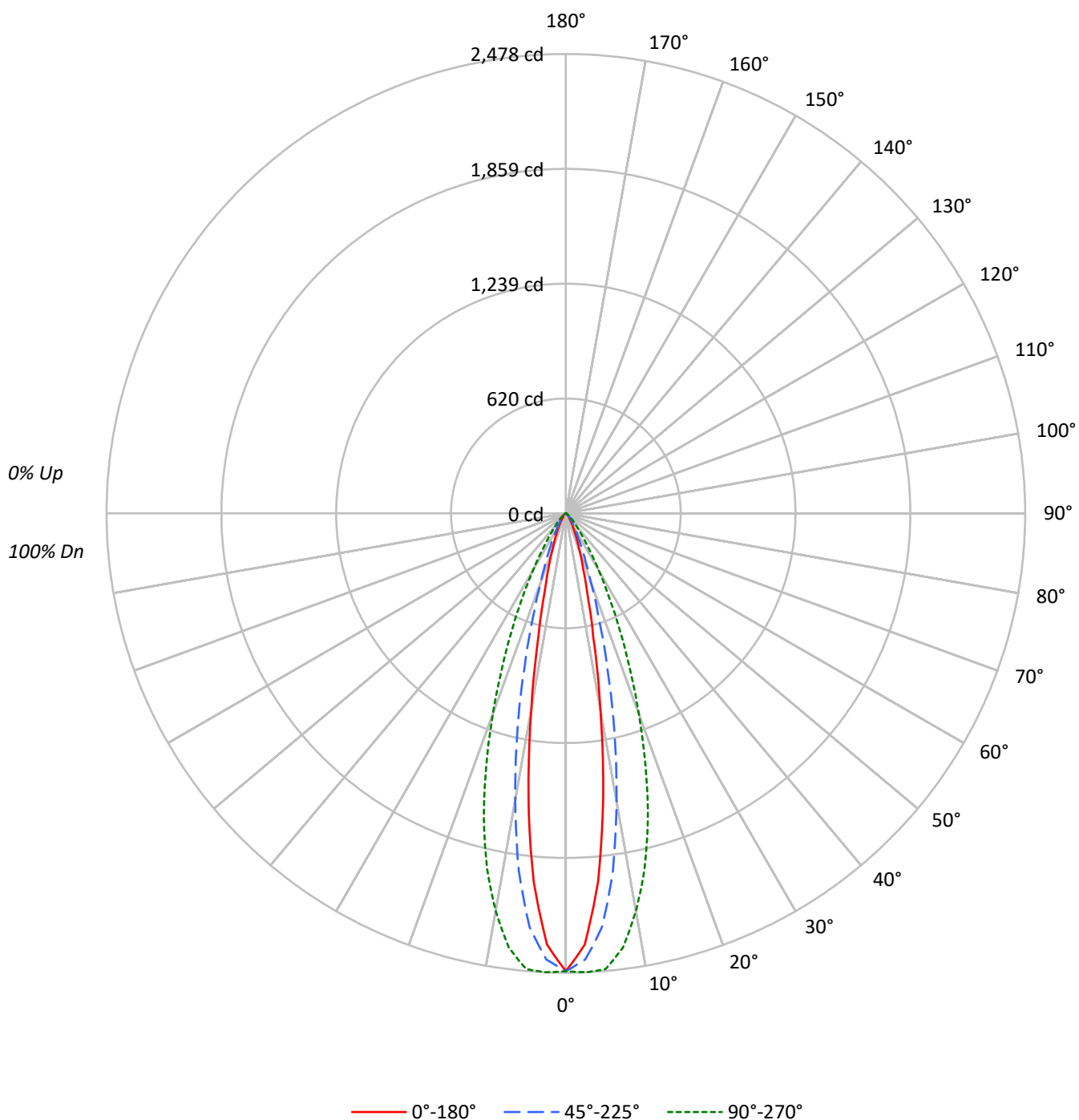
Lumens per Lamp: N/A
Luminaire Lumens: 696.2 lumens
Efficiency: N/A
Efficacy: 49.4 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 14.1
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	94	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	92	89	92	90	88	88	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	84	84	83
5	98	91	86	83	97	90	86	83	89	85	82	87	84	81	86	83	81	81	81	79
6	94	87	82	79	93	87	82	79	85	81	78	84	80	78	83	80	77	77	77	76
7	91	84	79	76	90	83	79	75	82	78	75	81	77	75	80	77	74	74	74	73
8	88	81	76	73	87	80	76	72	79	75	72	78	75	72	77	74	72	72	72	70
9	85	78	73	70	84	77	73	70	76	72	70	76	72	69	75	72	69	69	69	68
10	83	75	70	67	82	75	70	67	74	70	67	73	70	67	73	69	67	67	67	66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1218505	1218505	1218505
5°	987670	1109352	1221674
10°	536993	787629	1090918
15°	227138	441966	873256
20°	115925	207857	603778
25°	64181	106314	368045
30°	35947	59076	200700
35°	20839	35715	102268
40°	15457	27114	56611
45°	13606	18350	33560
50°	14430	12127	17884
55°	10322	8429	9720
60°	6710	5920	5920
65°	5253	5253	5253
70°	4327	4327	4327
75°	4384	4384	4384
80°	4262	4262	4262
85°	4529	4529	4529

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 33560 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.4	27.6
10°-20°	272.1	39.1
20°-30°	140.2	20.1
30°-40°	51.6	7.4
40°-50°	22.7	3.3
50°-60°	9.9	1.4
60°-70°	4.4	0.6
70°-80°	2.2	0.3
80°-90°	0.6	0.1
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°	604.8	86.9
0°-40°	656.3	94.3
0°-60°	689.0	99.0
0°-90°	696.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	696.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2470	2470	2470	2470	2470	
5°	1994	2062	2240	2398	2467	160
15°	445	517	865	1444	1710	136
25°	118	132	195	448	676	57
35°	35	40	59	104	170	23
45°	20	22	26	32	48	16
55°	12	10	10	10	11	11
65°	4	4	4	4	4	5
75°	2	2	2	2	2	2
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2469.8	2469.8	2469.8	2469.8	2469.8
2.5°	2328.6	2356.4	2408.2	2457.8	2478.1
5°	1994.3	2062.0	2240.0	2398.5	2466.8
7.5°	1544.4	1655.6	1944.0	2240.7	2362.4
10°	1071.9	1184.6	1572.2	1998.9	2177.6
12.5°	683.6	793.2	1211.6	1730.7	1962.8
15°	444.7	516.8	865.3	1443.7	1709.7
17.5°	308.7	359.8	588.9	1139.5	1429.5
20°	220.8	256.9	395.9	869.1	1150.0
22.5°	160.0	184.8	274.9	634.7	893.9
25°	117.9	132.2	195.3	448.4	676.1
27.5°	87.1	96.1	141.2	309.5	494.3
30°	63.1	70.6	103.7	212.6	352.3
32.5°	45.8	52.6	77.4	147.2	245.6
35°	34.6	39.8	59.3	103.7	169.8
37.5°	28.5	31.5	48.8	75.1	120.2
40°	24.0	27.0	42.1	55.6	87.9
42.5°	21.0	24.8	34.6	41.3	66.1
45°	19.5	22.5	26.3	31.5	48.1
47.5°	19.5	18.8	20.3	24.0	33.8
50°	18.8	15.8	15.8	18.8	23.3
52.5°	15.8	12.8	12.8	13.5	15.8
55°	12.0	10.5	9.8	10.5	11.3
57.5°	9.0	9.0	8.3	7.5	8.3
60°	6.8	6.8	6.0	6.0	6.0
62.5°	5.3	5.3	5.3	4.5	5.3
65°	4.5	4.5	4.5	3.8	4.5
67.5°	3.8	3.8	3.0	3.8	3.8
70°	3.0	3.0	3.0	3.0	3.0
72.5°	2.3	2.3	2.3	2.3	2.3
75°	2.3	2.3	2.3	2.3	2.3
77.5°	1.5	1.5	1.5	1.5	1.5
80°	1.5	1.5	1.5	1.5	1.5
82.5°	0.8	0.8	0.8	0.8	0.8
85°	0.8	0.8	0.8	0.8	0.8
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)