

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: P1179166

Luminaire Tested: LDA2B158030R2040D010 2LBD1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179166
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: LDA2B158030R2040D010 2LBD1MW
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

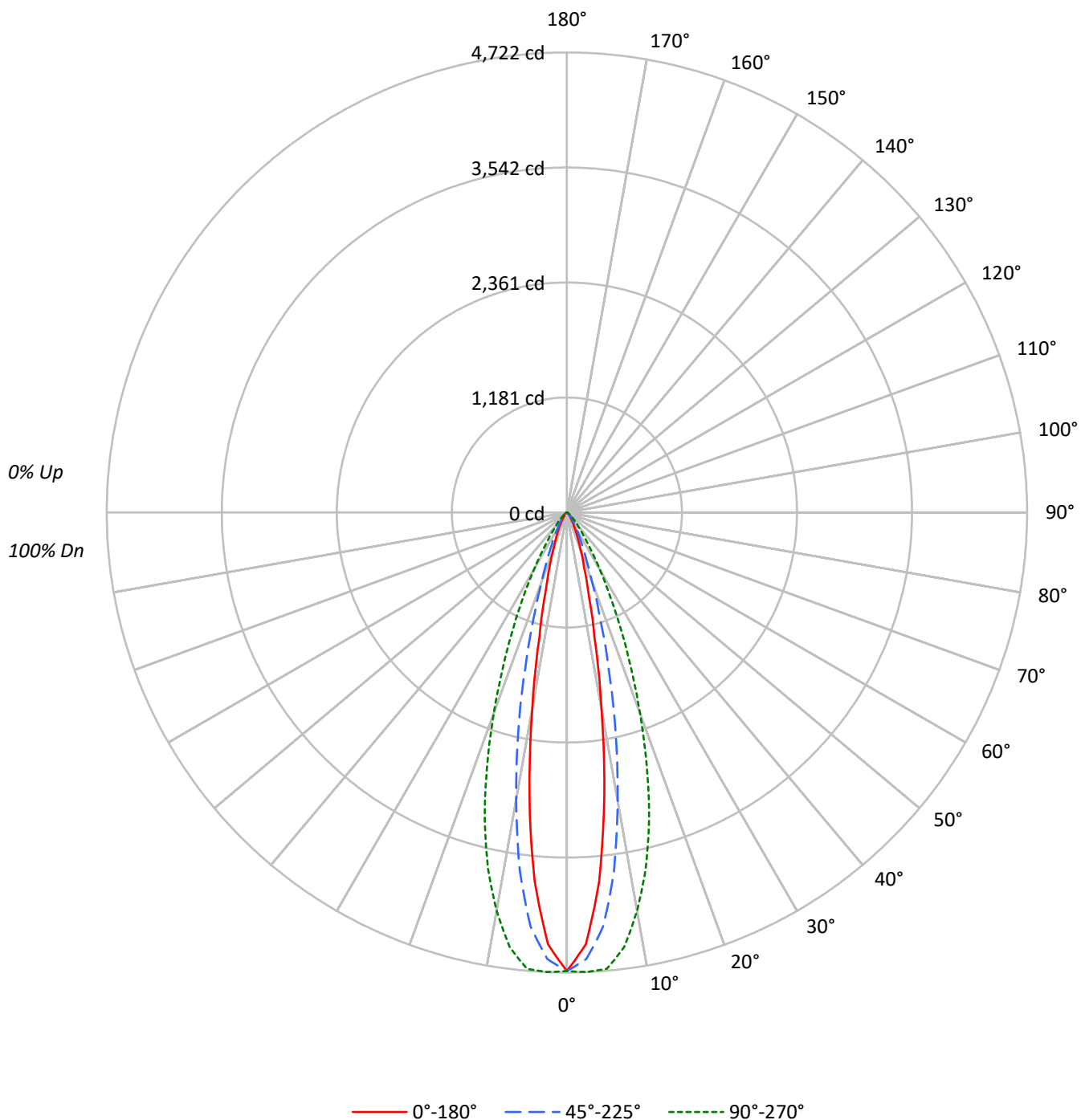
Lumens per Lamp: N/A
Luminaire Lumens: 1326.3 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95	94	92	91
3	106	100	96	93	104	99	95	92	96	93	91		94	92	89		92	90	88	87
4	102	95	91	88	100	94	90	87	92	89	86		90	87	85		89	86	84	83
5	98	91	86	83	97	90	86	83	89	85	82		87	84	81		86	83	81	79
6	94	87	83	79	93	87	82	79	85	81	78		84	80	78		83	80	77	76
7	91	84	79	76	90	83	79	75	82	78	75		81	77	75		80	77	74	73
8	88	81	76	73	87	80	76	72	79	75	72		78	75	72		77	74	72	70
9	85	78	73	70	84	77	73	70	76	72	70		76	72	69		75	72	69	68
10	83	75	70	67	82	75	70	67	74	70	67		73	70	67		73	69	67	66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2321711	2321711	2321711
5°	1881887	2113662	2327757
10°	1023187	1500714	2078586
15°	432772	842150	1663819
20°	220930	396026	1150434
25°	122319	202558	701196
30°	68476	112513	382373
35°	39630	68118	194839
40°	29497	51587	107876
45°	25955	34956	63911
50°	27478	23103	34079
55°	19697	15999	18493
60°	12729	11249	11249
65°	10040	10040	10040
70°	8222	8222	8222
75°	8197	8197	8197
80°	8239	8239	8239
85°	7925	7925	7925

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 63911 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	366.7	27.6
10°-20°	518.5	39.1
20°-30°	267.1	20.1
30°-40°	98.3	7.4
40°-50°	43.2	3.3
50°-60°	18.9	1.4
60°-70°	8.3	0.6
70°-80°	4.2	0.3
80°-90°	1.2	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°	1152.3	86.9
0°-40°	1250.6	94.3
0°-60°	1312.7	99.0
0°-90°	1326.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1326.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4706	4706	4706	4706	4706	
5°	3800	3929	4268	4570	4700	306
15°	847	985	1649	2751	3258	259
25°	225	252	372	854	1288	108
35°	66	76	113	198	324	45
45°	37	43	50	60	92	30
55°	23	20	19	20	22	21
65°	9	9	9	7	9	9
75°	4	4	4	4	4	4
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°	4705.9	4705.9	4705.9	4705.9	4705.9
2.5°	4436.8	4489.8	4588.5	4683.0	4721.6
5°	3799.9	3928.7	4267.9	4569.9	4700.2
7.5°	2942.6	3154.4	3704.0	4269.4	4501.2
10°	2042.4	2257.1	2995.6	3808.5	4149.1
12.5°	1302.4	1511.4	2308.6	3297.6	3739.8
15°	847.3	984.7	1648.8	2750.8	3257.5
17.5°	588.2	685.6	1122.1	2171.2	2723.6
20°	420.8	489.5	754.3	1655.9	2191.2
22.5°	304.9	352.1	523.8	1209.4	1703.2
25°	224.7	251.9	372.1	854.4	1288.1
27.5°	166.0	183.2	269.1	589.7	941.8
30°	120.2	134.5	197.5	405.0	671.2
32.5°	87.3	100.2	147.4	280.5	468.0
35°	65.8	75.9	113.1	197.5	323.5
37.5°	54.4	60.1	93.0	143.1	229.0
40°	45.8	51.5	80.1	105.9	167.5
42.5°	40.1	47.2	65.8	78.7	125.9
45°	37.2	42.9	50.1	60.1	91.6
47.5°	37.2	35.8	38.6	45.8	64.4
50°	35.8	30.1	30.1	35.8	44.4
52.5°	30.1	24.3	24.3	25.8	30.1
55°	22.9	20.0	18.6	20.0	21.5
57.5°	17.2	17.2	15.7	14.3	15.7
60°	12.9	12.9	11.4	11.4	11.4
62.5°	10.0	10.0	10.0	8.6	10.0
65°	8.6	8.6	8.6	7.2	8.6
67.5°	7.2	7.2	5.7	7.2	7.2
70°	5.7	5.7	5.7	5.7	5.7
72.5°	4.3	4.3	4.3	4.3	4.3
75°	4.3	4.3	4.3	4.3	4.3
77.5°	2.9	2.9	2.9	2.9	2.9
80°	2.9	2.9	2.9	2.9	2.9
82.5°	1.4	1.4	1.4	1.4	1.4
85°	1.4	1.4	1.4	1.4	1.4
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)