

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: P1179172

Luminaire Tested: LDA2B158030R2040D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179172
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 2LBDC1MW
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

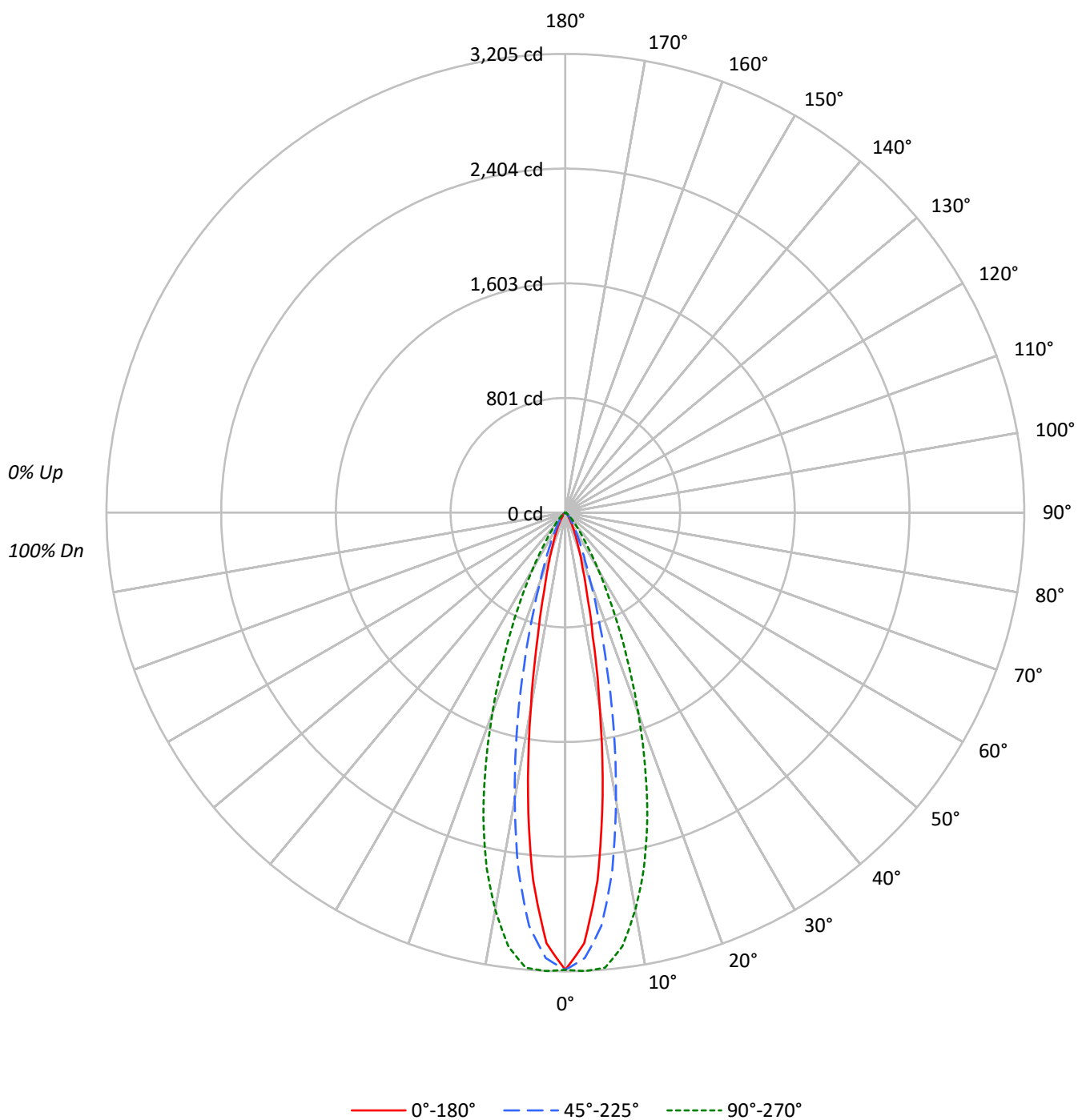
Lumens per Lamp: N/A
Luminaire Lumens: 900.4 lumens
Efficiency: N/A
Efficacy: 63.9 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	88	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	83	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°	1576094	1576094	1576094
5°	1277537	1434877	1580183
10°	694599	1018728	1411040
15°	293792	571700	1129456
20°	149947	268813	780974
25°	83016	137506	475992
30°	46486	76395	259606
35°	26922	46255	132261
40°	20030	35036	73227
45°	17652	23722	43398
50°	18651	15658	23103
55°	13332	10838	12558
60°	8584	7696	7696
65°	6771	6771	6771
70°	5626	5626	5626
75°	5528	5528	5528
80°	5398	5398	5398
85°	5661	5661	5661

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 43398 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.9	27.6
10°-20°	352.0	39.1
20°-30°	181.3	20.1
30°-40°	66.7	7.4
40°-50°	29.3	3.3
50°-60°	12.9	1.4
60°-70°	5.6	0.6
70°-80°	2.8	0.3
80°-90°	0.8	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°	782.2	86.9
0°-40°	849.0	94.3
0°-60°	891.1	99.0
0°-90°	900.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	900.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3195	3195	3195	3195	3195	
5°	2580	2667	2897	3102	3191	208
15°	575	668	1119	1867	2211	176
25°	152	171	253	580	874	73
35°	45	52	77	134	220	30
45°	25	29	34	41	62	20
55°	16	14	13	14	15	14
65°	6	6	6	5	6	6
75°	3	3	3	3	3	3
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°	3194.6	3194.6	3194.6	3194.6	3194.6
2.5°	3011.9	3047.9	3114.9	3179.0	3205.3
5°	2579.6	2667.0	2897.3	3102.3	3190.7
7.5°	1997.6	2141.4	2514.5	2898.2	3055.6
10°	1386.5	1532.2	2033.5	2585.4	2816.6
12.5°	884.1	1026.0	1567.2	2238.5	2538.8
15°	575.2	668.5	1119.3	1867.4	2211.3
17.5°	399.3	465.4	761.7	1473.9	1848.9
20°	285.6	332.3	512.0	1124.1	1487.5
22.5°	206.9	239.0	355.6	821.0	1156.2
25°	152.5	171.0	252.6	580.0	874.4
27.5°	112.7	124.4	182.7	400.3	639.3
30°	81.6	91.3	134.1	275.0	455.7
32.5°	59.3	68.0	100.1	190.4	317.7
35°	44.7	51.5	76.8	134.1	219.6
37.5°	36.9	40.8	63.2	97.2	155.5
40°	31.1	35.0	54.4	71.9	113.7
42.5°	27.2	32.1	44.7	53.4	85.5
45°	25.3	29.1	34.0	40.8	62.2
47.5°	25.3	24.3	26.2	31.1	43.7
50°	24.3	20.4	20.4	24.3	30.1
52.5°	20.4	16.5	16.5	17.5	20.4
55°	15.5	13.6	12.6	13.6	14.6
57.5°	11.7	11.7	10.7	9.7	10.7
60°	8.7	8.7	7.8	7.8	7.8
62.5°	6.8	6.8	6.8	5.8	6.8
65°	5.8	5.8	5.8	4.9	5.8
67.5°	4.9	4.9	3.9	4.9	4.9
70°	3.9	3.9	3.9	3.9	3.9
72.5°	2.9	2.9	2.9	2.9	2.9
75°	2.9	2.9	2.9	2.9	2.9
77.5°	1.9	1.9	1.9	1.9	1.9
80°	1.9	1.9	1.9	1.9	1.9
82.5°	1.0	1.0	1.0	1.0	1.0
85°	1.0	1.0	1.0	1.0	1.0
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)