

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: P1178155

Luminaire Tested: LDA2B058030R2040D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178155
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: LDA2B058030R2040D010 2LBD1LI
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

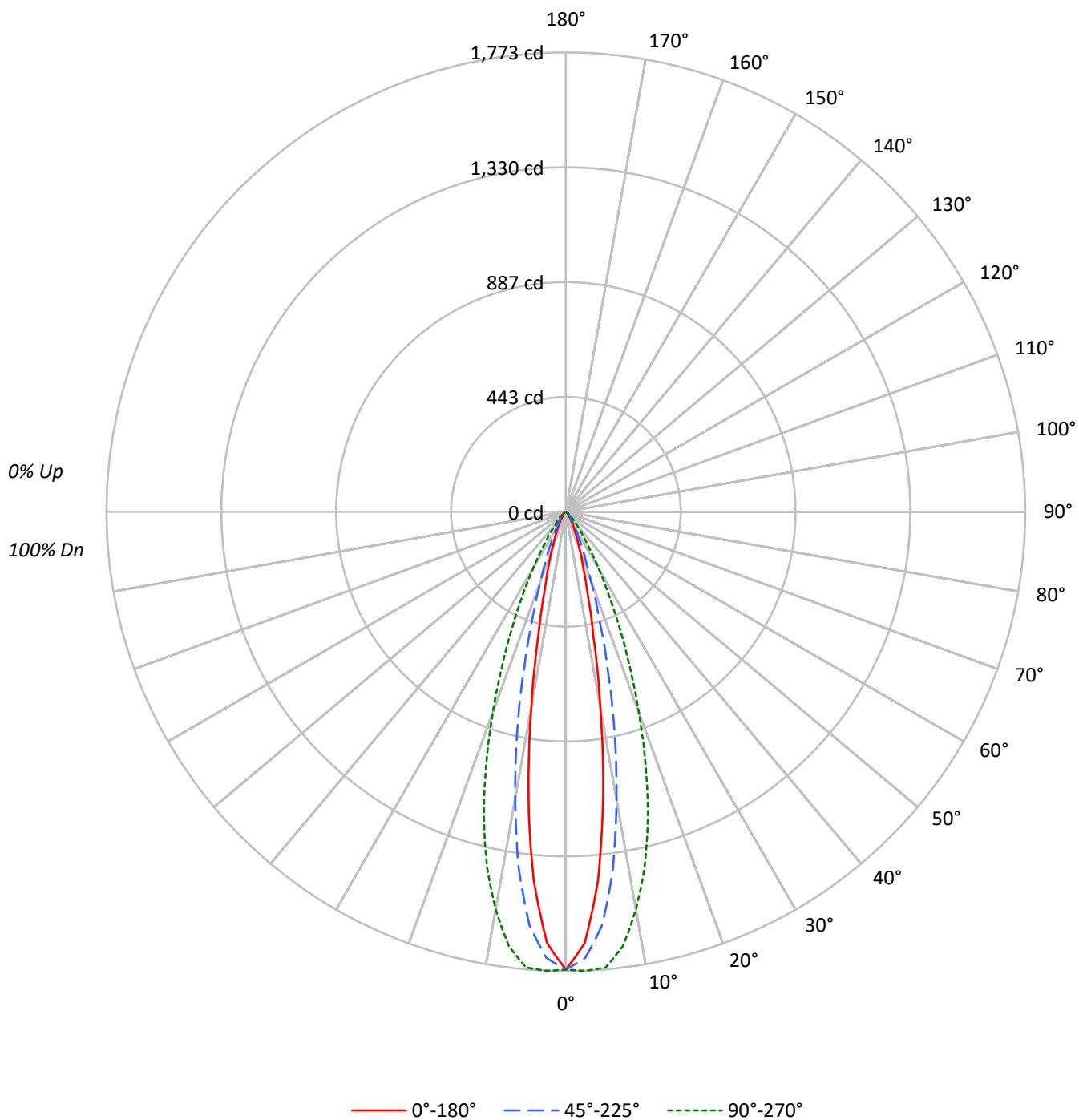
Lumens per Lamp: N/A
Luminaire Lumens: 498.0 lumens
Efficiency: N/A
Efficacy: 71.1 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 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			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	100	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	96	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	95	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°	871869	871869	871869
5°	706717	793731	874159
10°	384246	563544	780566
15°	162526	316266	624820
20°	82954	148687	432043
25°	45944	76048	263309
30°	25693	42271	143618
35°	14876	25597	73177
40°	11077	19386	40510
45°	9768	13117	24002
50°	10285	8673	12818
55°	7397	6021	6967
60°	4736	4243	4243
65°	3736	3736	3736
70°	3029	3029	3029
75°	3050	3050	3050
80°	3125	3125	3125
85°	2830	2830	2830

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 24002 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.7	27.6
10°-20°	194.7	39.1
20°-30°	100.3	20.1
30°-40°	36.9	7.4
40°-50°	16.2	3.3
50°-60°	7.1	1.4
60°-70°	3.1	0.6
70°-80°	1.6	0.3
80°-90°	0.4	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°	432.7	86.9
0°-40°	469.6	94.3
0°-60°	492.9	99.0
0°-90°	498.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	498.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1767	1767	1767	1767	1767	
5°	1427	1475	1603	1716	1765	115
15°	318	370	619	1033	1223	97
25°	84	95	140	321	484	40
35°	25	28	42	74	122	17
45°	14	16	19	23	34	11
55°	9	8	7	8	8	8
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
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°	1767.2	1767.2	1767.2	1767.2	1767.2
2.5°	1666.2	1686.1	1723.1	1758.6	1773.1
5°	1427.0	1475.4	1602.7	1716.2	1765.1
7.5°	1105.0	1184.6	1391.0	1603.3	1690.4
10°	767.0	847.6	1124.9	1430.2	1558.1
12.5°	489.1	567.6	866.9	1238.3	1404.4
15°	318.2	369.8	619.2	1033.0	1223.3
17.5°	220.9	257.4	421.4	815.3	1022.8
20°	158.0	183.8	283.2	621.9	822.9
22.5°	114.5	132.2	196.7	454.2	639.6
25°	84.4	94.6	139.7	320.9	483.7
27.5°	62.3	68.8	101.0	221.4	353.7
30°	45.1	50.5	74.2	152.1	252.1
32.5°	32.8	37.6	55.4	105.3	175.8
35°	24.7	28.5	42.5	74.2	121.5
37.5°	20.4	22.6	34.9	53.7	86.0
40°	17.2	19.3	30.1	39.8	62.9
42.5°	15.0	17.7	24.7	29.6	47.3
45°	14.0	16.1	18.8	22.6	34.4
47.5°	14.0	13.4	14.5	17.2	24.2
50°	13.4	11.3	11.3	13.4	16.7
52.5°	11.3	9.1	9.1	9.7	11.3
55°	8.6	7.5	7.0	7.5	8.1
57.5°	6.4	6.4	5.9	5.4	5.9
60°	4.8	4.8	4.3	4.3	4.3
62.5°	3.8	3.8	3.8	3.2	3.8
65°	3.2	3.2	3.2	2.7	3.2
67.5°	2.7	2.7	2.1	2.7	2.7
70°	2.1	2.1	2.1	2.1	2.1
72.5°	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6
77.5°	1.1	1.1	1.1	1.1	1.1
80°	1.1	1.1	1.1	1.1	1.1
82.5°	0.5	0.5	0.5	0.5	0.5
85°	0.5	0.5	0.5	0.5	0.5
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)