

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: P1179597

Luminaire Tested: LDA2B159730R2040D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179597
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: LDA2B159730R2040D010 2LBDC1MMS
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

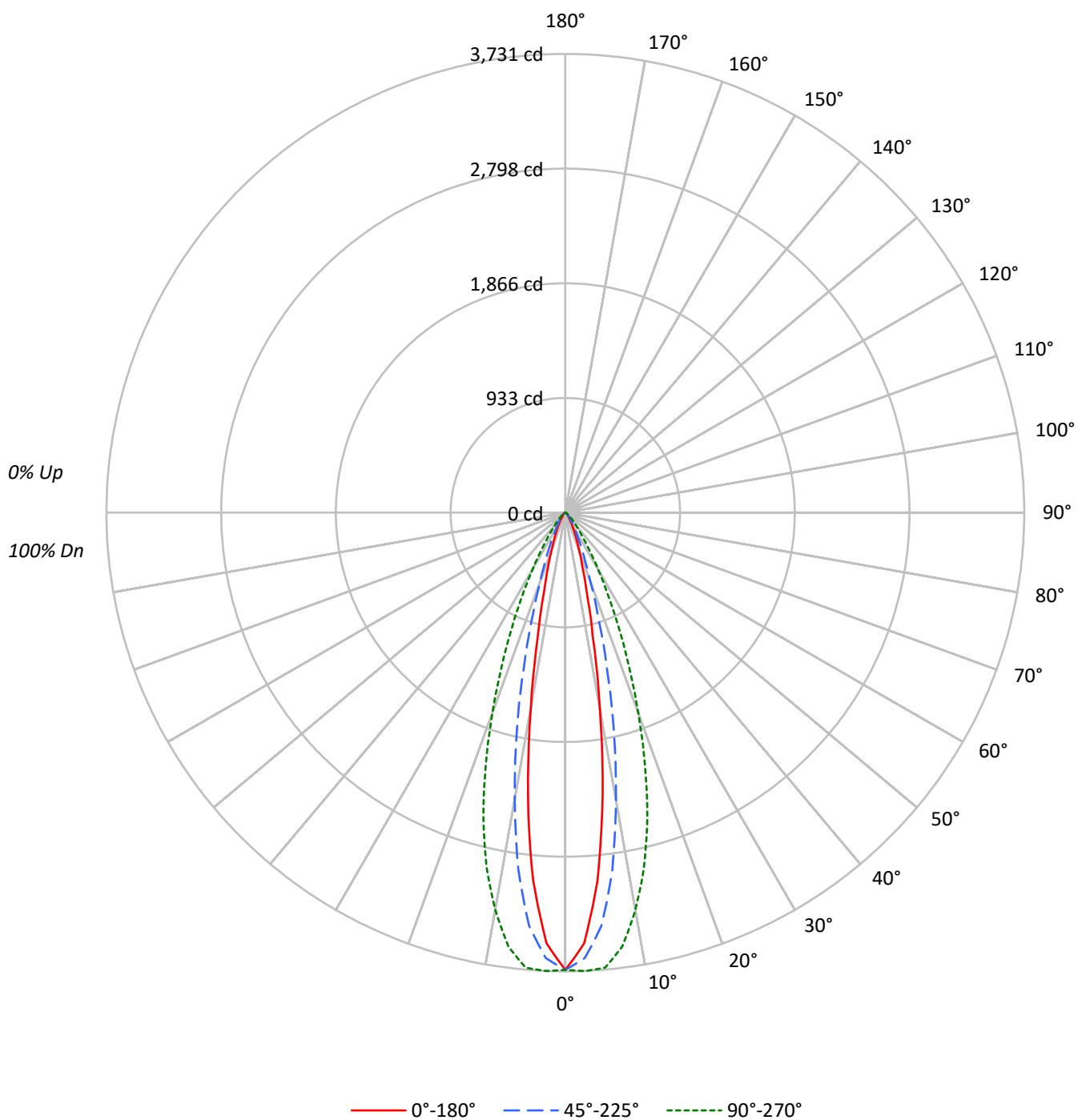
Lumens per Lamp: N/A
Luminaire Lumens: 1048.1 lumens
Efficiency: N/A
Efficacy: 74.3 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1179597

CATALOG NUMBER: LDA2B159730R2040D010 2LBDC1MMS

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1834763	1834763	1834763
5°	1487175	1670367	1839494
10°	808570	1185953	1642639
15°	342009	665528	1314864
20°	174571	312967	909133
25°	96679	160098	554109
30°	54120	88928	302218
35°	31319	53844	153944
40°	23314	40768	85206
45°	20513	27630	50515
50°	21721	18267	26940
55°	15569	12644	14623
60°	10065	8881	8881
65°	7938	7938	7938
70°	6491	6491	6491
75°	6481	6481	6481
80°	6535	6535	6535
85°	6227	6227	6227

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 50515 cd/sqm

TEST NUMBER: P1179597

CATALOG NUMBER: LDA2B159730R2040D010 2LBDC1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.8	27.6
10°-20°	409.8	39.1
20°-30°	211.1	20.1
30°-40°	77.7	7.4
40°-50°	34.1	3.3
50°-60°	15.0	1.4
60°-70°	6.6	0.6
70°-80°	3.3	0.3
80°-90°	0.9	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°	910.6	86.9
0°-40°	988.3	94.3
0°-60°	1037.4	99.0
0°-90°	1048.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1048.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3719	3719	3719	3719	3719	
5°	3003	3105	3373	3611	3714	242
15°	670	778	1303	2174	2574	205
25°	178	199	294	675	1018	85
35°	52	60	89	156	256	35
45°	29	34	40	48	72	24
55°	18	16	15	16	17	17
65°	7	7	7	6	7	7
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°	3718.9	3718.9	3718.9	3718.9	3718.9
2.5°	3506.2	3548.1	3626.1	3700.8	3731.3
5°	3002.9	3104.7	3372.8	3611.4	3714.3
7.5°	2325.4	2492.8	2927.1	3373.9	3557.1
10°	1614.0	1783.7	2367.3	3009.7	3278.9
12.5°	1029.2	1194.4	1824.4	2605.9	2955.4
15°	669.6	778.2	1303.0	2173.9	2574.3
17.5°	464.9	541.8	886.7	1715.8	2152.4
20°	332.5	386.8	596.1	1308.6	1731.6
22.5°	240.9	278.2	414.0	955.7	1345.9
25°	177.6	199.1	294.1	675.2	1017.9
27.5°	131.2	144.8	212.6	466.0	744.2
30°	95.0	106.3	156.1	320.1	530.5
32.5°	69.0	79.2	116.5	221.7	369.9
35°	52.0	59.9	89.4	156.1	255.6
37.5°	43.0	47.5	73.5	113.1	181.0
40°	36.2	40.7	63.3	83.7	132.3
42.5°	31.7	37.3	52.0	62.2	99.5
45°	29.4	33.9	39.6	47.5	72.4
47.5°	29.4	28.3	30.5	36.2	50.9
50°	28.3	23.8	23.8	28.3	35.1
52.5°	23.8	19.2	19.2	20.4	23.8
55°	18.1	15.8	14.7	15.8	17.0
57.5°	13.6	13.6	12.4	11.3	12.4
60°	10.2	10.2	9.0	9.0	9.0
62.5°	7.9	7.9	7.9	6.8	7.9
65°	6.8	6.8	6.8	5.7	6.8
67.5°	5.7	5.7	4.5	5.7	5.7
70°	4.5	4.5	4.5	4.5	4.5
72.5°	3.4	3.4	3.4	3.4	3.4
75°	3.4	3.4	3.4	3.4	3.4
77.5°	2.3	2.3	2.3	2.3	2.3
80°	2.3	2.3	2.3	2.3	2.3
82.5°	1.1	1.1	1.1	1.1	1.1
85°	1.1	1.1	1.1	1.1	1.1
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)