

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: P1179415

Luminaire Tested: LDA2B159030R2050D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179415
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2206-683-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B159030R2050D010 2LBDC1MMS
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

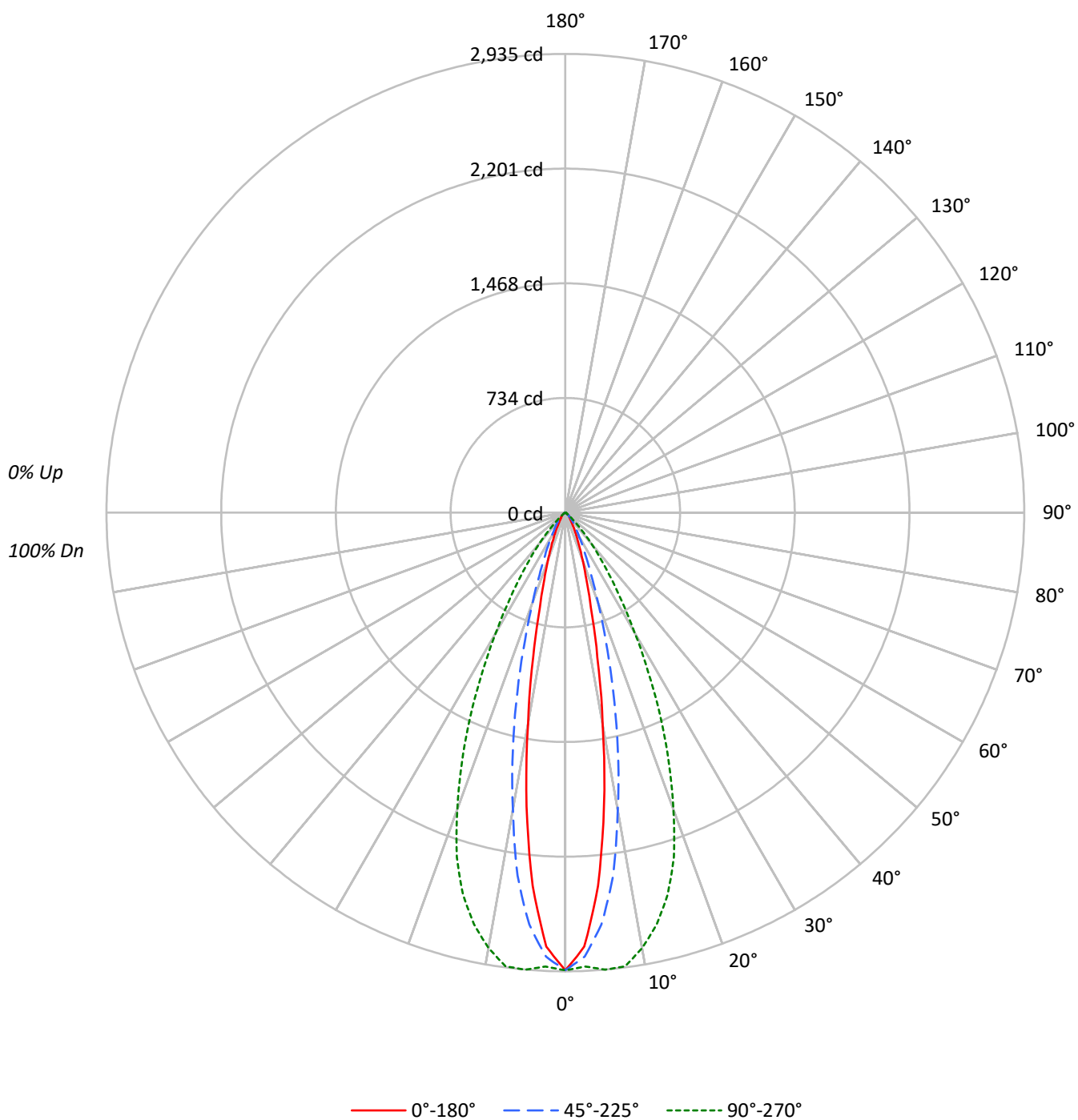
Lumens per Lamp: N/A
Luminaire Lumens: 1052.3 lumens
Efficiency: N/A
Efficacy: 74.6 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	109	107	112	109	107	106	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		90
4	100	94	89	85	99	93	88	85	91	87	84		89	85	83		87
5	96	89	84	80	95	88	83	80	86	82	79		85	81	78		83
6	92	85	80	76	91	84	79	76	83	78	75		81	77	75		80
7	89	81	76	72	88	80	75	72	79	75	71		78	74	71		77
8	85	77	72	69	84	77	72	69	76	71	68		75	71	68		74
9	82	74	69	66	81	74	69	66	73	68	65		72	68	65		71
10	79	71	66	63	79	71	66	63	70	66	63		69	65	62		69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1444366	1444366	1444366
5°	1187452	1310224	1453499
10°	689288	968180	1417101
15°	321118	603010	1291420
20°	169215	317902	1061442
25°	93685	172128	782905
30°	54918	100834	506336
35°	35294	67636	299997
40°	27500	45598	166677
45°	23862	27281	74098
50°	21568	18728	27171
55°	14709	13676	12644
60°	10854	9670	9670
65°	8522	7121	8522
70°	7068	7068	7068
75°	7053	7053	7053
80°	6819	6819	6819
85°	6793	6793	6793

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 74098 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.1	22.2
10°-20°	381.7	36.3
20°-30°	254.6	24.2
30°-40°	114.8	10.9
40°-50°	42.0	4.0
50°-60°	14.7	1.4
60°-70°	6.9	0.7
70°-80°	3.6	0.3
80°-90°	1.0	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°	869.4	82.6
0°-40°	984.1	93.5
0°-60°	1040.9	98.9
0°-90°	1052.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1052.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2928	2928	2928	2928	2928	
5°	2398	2472	2646	2838	2935	196
15°	629	739	1181	1995	2528	188
25°	172	200	316	862	1438	83
35°	59	66	112	243	498	39
45°	34	34	39	61	106	27
55°	17	16	16	13	15	16
65°	7	7	6	6	7	7
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°	2927.6	2927.6	2927.6	2927.6	2927.6
2.5°	2779.9	2809.2	2843.3	2878.8	2906.8
5°	2397.7	2472.2	2645.6	2838.5	2934.9
7.5°	1896.0	2005.8	2342.8	2723.7	2927.6
10°	1375.9	1516.3	1932.6	2524.7	2828.7
12.5°	946.2	1078.0	1550.5	2273.2	2698.1
15°	628.7	738.6	1180.6	1994.9	2528.4
17.5°	443.2	517.6	858.3	1690.9	2309.8
20°	322.3	372.4	605.5	1393.0	2021.7
22.5°	234.4	272.2	431.0	1113.4	1729.9
25°	172.1	200.2	316.2	861.9	1438.2
27.5°	128.2	150.2	236.8	654.4	1146.4
30°	96.4	114.8	177.0	482.2	888.8
32.5°	74.5	86.7	135.5	344.3	672.7
35°	58.6	65.9	112.3	242.9	498.1
37.5°	48.8	53.7	92.8	169.7	365.0
40°	42.7	46.4	70.8	120.9	258.8
42.5°	37.8	40.3	51.3	86.7	168.5
45°	34.2	34.2	39.1	61.0	106.2
47.5°	31.7	28.1	30.5	42.7	62.3
50°	28.1	23.2	24.4	29.3	35.4
52.5°	22.0	19.5	19.5	19.5	20.8
55°	17.1	15.9	15.9	13.4	14.7
57.5°	13.4	13.4	12.2	11.0	12.2
60°	11.0	11.0	9.8	8.5	9.8
62.5°	8.5	8.5	7.3	7.3	8.5
65°	7.3	7.3	6.1	6.1	7.3
67.5°	6.1	6.1	6.1	4.9	6.1
70°	4.9	4.9	4.9	4.9	4.9
72.5°	3.7	3.7	4.9	3.7	3.7
75°	3.7	3.7	3.7	3.7	3.7
77.5°	2.4	2.4	2.4	2.4	2.4
80°	2.4	2.4	2.4	2.4	2.4
82.5°	1.2	1.2	1.2	1.2	1.2
85°	1.2	1.2	1.2	1.2	1.2
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)