

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: P1179610

Luminaire Tested: LDA2B159730R2050D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179610
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: LDA2B159730R2050D010 2LBDC1MMS
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

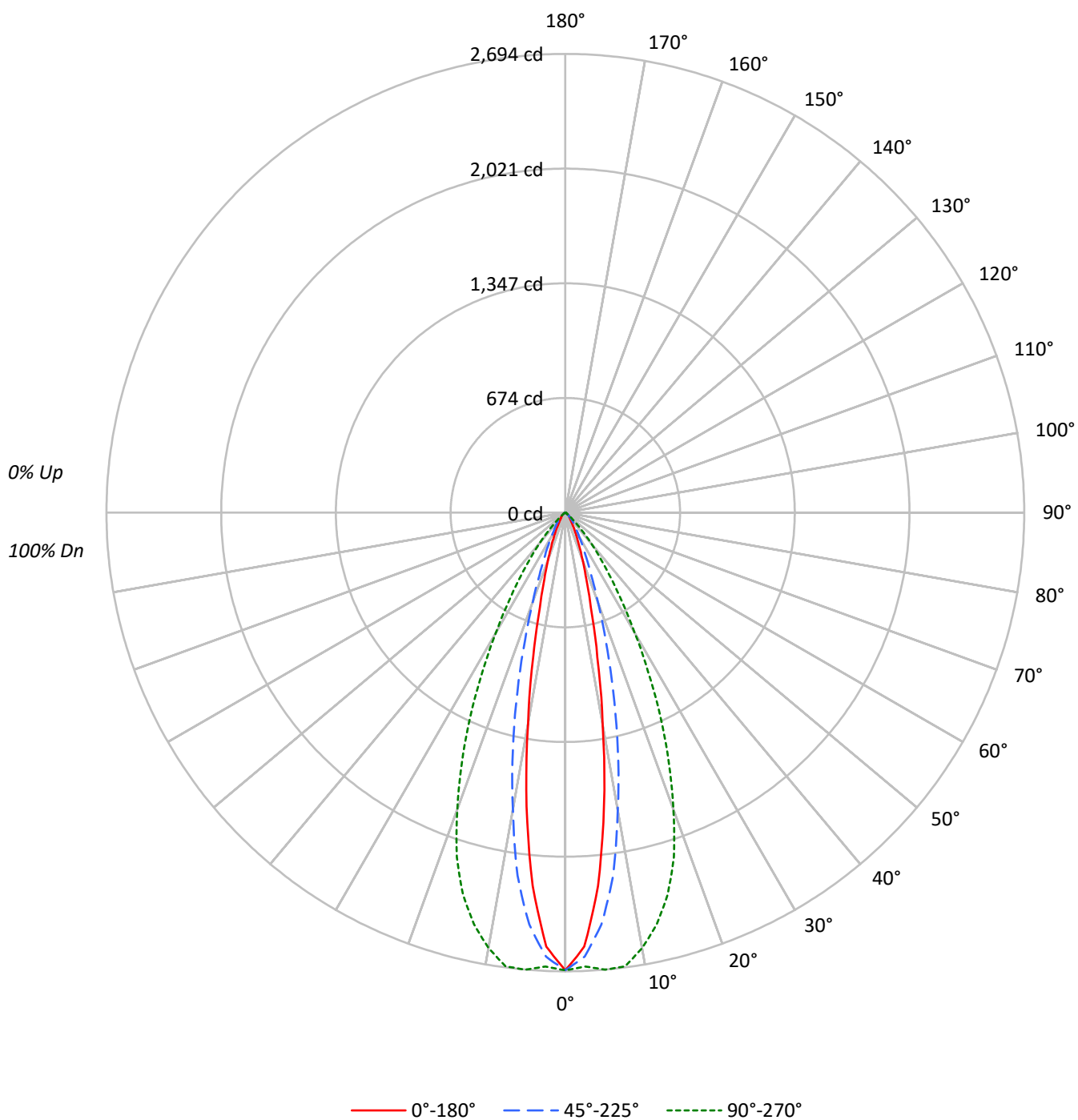
Lumens per Lamp: N/A
Luminaire Lumens: 965.9 lumens
Efficiency: N/A
Efficacy: 68.5 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	1325762	1325762	1325762
5°	1089938	1202607	1334144
10°	632678	888675	1300725
15°	294763	553466	1185334
20°	155302	291809	974288
25°	86010	157975	718616
30°	50417	92574	464749
35°	32403	62095	275364
40°	25246	41862	153023
45°	21908	25048	68028
50°	19802	17193	24945
55°	13504	12558	11526
60°	9966	8881	8881
65°	7822	6537	7822
70°	6491	6491	6491
75°	6481	6481	6481
80°	6251	6251	6251
85°	6227	6227	6227

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 68028 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.0	22.2
10°-20°	350.3	36.3
20°-30°	233.7	24.2
30°-40°	105.4	10.9
40°-50°	38.6	4.0
50°-60°	13.5	1.4
60°-70°	6.3	0.7
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°	798.0	82.6
0°-40°	903.3	93.5
0°-60°	955.4	98.9
0°-90°	965.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	965.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2687	2687	2687	2687	2687	
5°	2201	2269	2428	2605	2694	180
15°	577	678	1084	1831	2321	173
25°	158	184	290	791	1320	76
35°	54	60	103	223	457	36
45°	31	31	36	56	98	25
55°	16	15	15	12	13	15
65°	7	7	6	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°	2687.2	2687.2	2687.2	2687.2	2687.2
2.5°	2551.6	2578.5	2609.9	2642.4	2668.1
5°	2200.8	2269.2	2428.3	2605.4	2693.9
7.5°	1740.3	1841.1	2150.4	2500.0	2687.2
10°	1262.9	1391.8	1773.9	2317.4	2596.4
12.5°	868.5	989.5	1423.2	2086.5	2476.5
15°	577.1	678.0	1083.6	1831.0	2320.7
17.5°	406.8	475.1	787.8	1552.0	2120.2
20°	295.8	341.8	555.8	1278.6	1855.7
22.5°	215.2	249.9	395.6	1022.0	1587.9
25°	158.0	183.8	290.2	791.1	1320.1
27.5°	117.7	137.8	217.4	600.6	1052.2
30°	88.5	105.3	162.5	442.6	815.8
32.5°	68.4	79.6	124.4	316.0	617.4
35°	53.8	60.5	103.1	223.0	457.2
37.5°	44.8	49.3	85.2	155.8	335.1
40°	39.2	42.6	65.0	110.9	237.6
42.5°	34.7	37.0	47.1	79.6	154.6
45°	31.4	31.4	35.9	56.0	97.5
47.5°	29.1	25.8	28.0	39.2	57.2
50°	25.8	21.3	22.4	26.9	32.5
52.5°	20.2	17.9	17.9	17.9	19.1
55°	15.7	14.6	14.6	12.3	13.4
57.5°	12.3	12.3	11.2	10.1	11.2
60°	10.1	10.1	9.0	7.8	9.0
62.5°	7.8	7.8	6.7	6.7	7.8
65°	6.7	6.7	5.6	5.6	6.7
67.5°	5.6	5.6	5.6	4.5	5.6
70°	4.5	4.5	4.5	4.5	4.5
72.5°	3.4	3.4	4.5	3.4	3.4
75°	3.4	3.4	3.4	3.4	3.4
77.5°	2.2	2.2	2.2	2.2	2.2
80°	2.2	2.2	2.2	2.2	2.2
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)