

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: P1179185

Luminaire Tested: LDA2B158030R2050D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179185
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: LDA2B158030R2050D010 2LBDC1MW
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

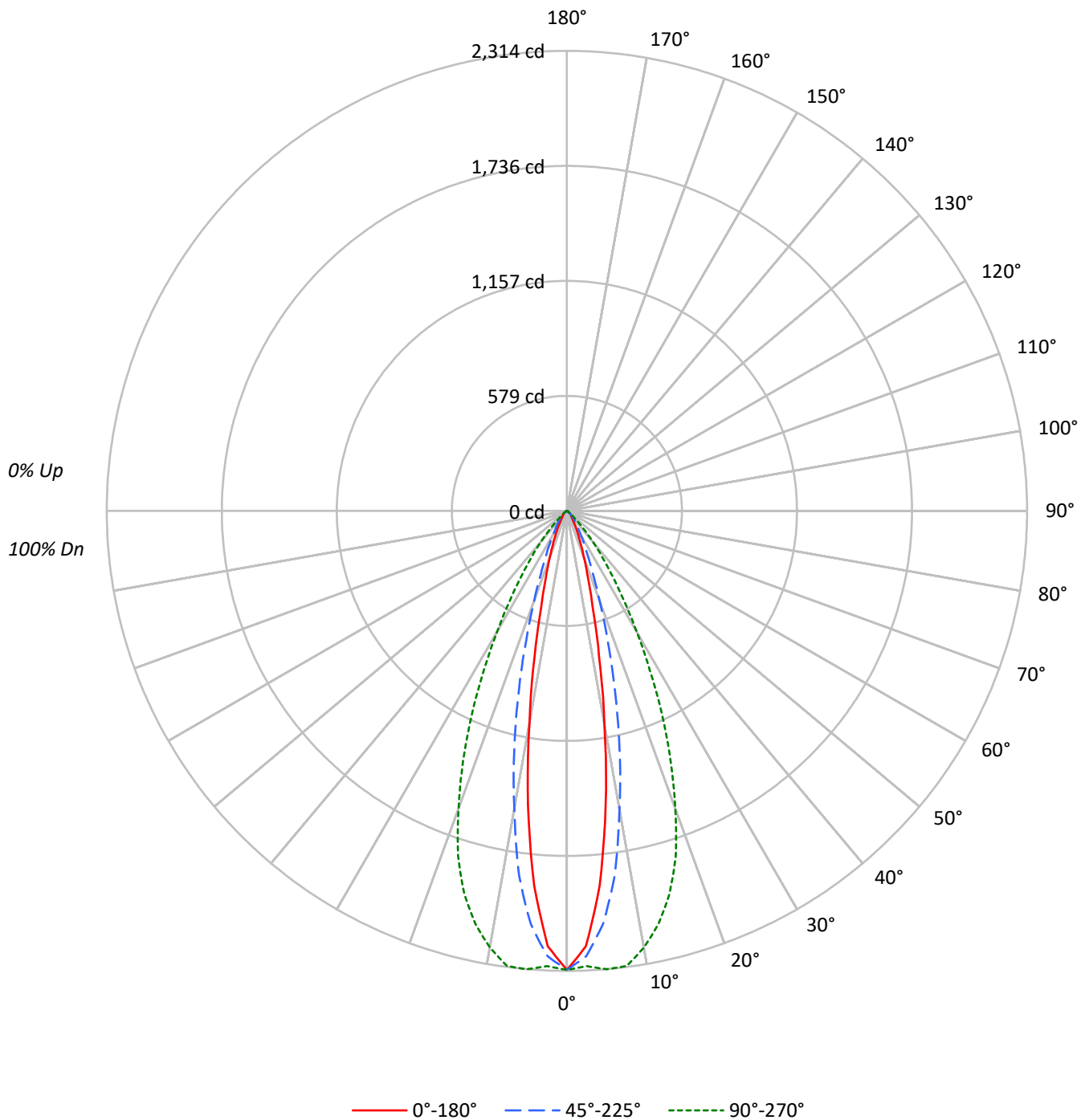
Lumens per Lamp: N/A
Luminaire Lumens: 829.8 lumens
Efficiency: N/A
Efficacy: 58.9 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	1138827	1138827	1138827
5°	936313	1033084	1146050
10°	543505	763382	1117369
15°	253187	475421	1018263
20°	133409	250699	836942
25°	73870	135710	617309
30°	43296	79528	399235
35°	27825	53362	236517
40°	21704	35937	131448
45°	18838	21490	58399
50°	16963	14813	21414
55°	11612	10752	9978
60°	8584	7598	7598
65°	6771	5603	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: 58399 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.8	22.1
10°-20°	300.9	36.3
20°-30°	200.7	24.2
30°-40°	90.5	10.9
40°-50°	33.1	4.0
50°-60°	11.6	1.4
60°-70°	5.4	0.7
70°-80°	2.9	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°	685.5	82.6
0°-40°	776.0	93.5
0°-60°	820.7	98.9
0°-90°	829.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	829.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2308	2308	2308	2308	2308	
5°	1891	1949	2086	2238	2314	154
15°	496	582	931	1573	1994	148
25°	136	158	249	680	1134	66
35°	46	52	89	192	393	31
45°	27	27	31	48	84	21
55°	14	12	12	11	12	13
65°	6	6	5	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°	2308.3	2308.3	2308.3	2308.3	2308.3
2.5°	2191.9	2215.0	2241.9	2269.8	2292.0
5°	1890.6	1949.3	2086.0	2238.1	2314.1
7.5°	1494.9	1581.6	1847.3	2147.6	2308.3
10°	1084.9	1195.6	1523.8	1990.7	2230.4
12.5°	746.0	850.0	1222.5	1792.4	2127.4
15°	495.7	582.4	930.8	1572.9	1993.6
17.5°	349.4	408.1	676.7	1333.2	1821.3
20°	254.1	293.6	477.5	1098.3	1594.1
22.5°	184.8	214.7	339.8	877.9	1364.0
25°	135.7	157.9	249.3	679.6	1134.0
27.5°	101.1	118.4	186.7	516.0	903.9
30°	76.0	90.5	139.6	380.2	700.8
32.5°	58.7	68.3	106.8	271.5	530.4
35°	46.2	52.0	88.6	191.6	392.7
37.5°	38.5	42.4	73.2	133.8	287.8
40°	33.7	36.6	55.8	95.3	204.1
42.5°	29.8	31.8	40.4	68.3	132.8
45°	27.0	27.0	30.8	48.1	83.7
47.5°	25.0	22.1	24.1	33.7	49.1
50°	22.1	18.3	19.3	23.1	27.9
52.5°	17.3	15.4	15.4	15.4	16.4
55°	13.5	12.5	12.5	10.6	11.6
57.5°	10.6	10.6	9.6	8.7	9.6
60°	8.7	8.7	7.7	6.7	7.7
62.5°	6.7	6.7	5.8	5.8	6.7
65°	5.8	5.8	4.8	4.8	5.8
67.5°	4.8	4.8	4.8	3.9	4.8
70°	3.9	3.9	3.9	3.9	3.9
72.5°	2.9	2.9	3.9	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)