

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: P1179803

Luminaire Tested: LDA2B208050R2050D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179803
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: LDA2B208050R2050D010 2LBDC1MW
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

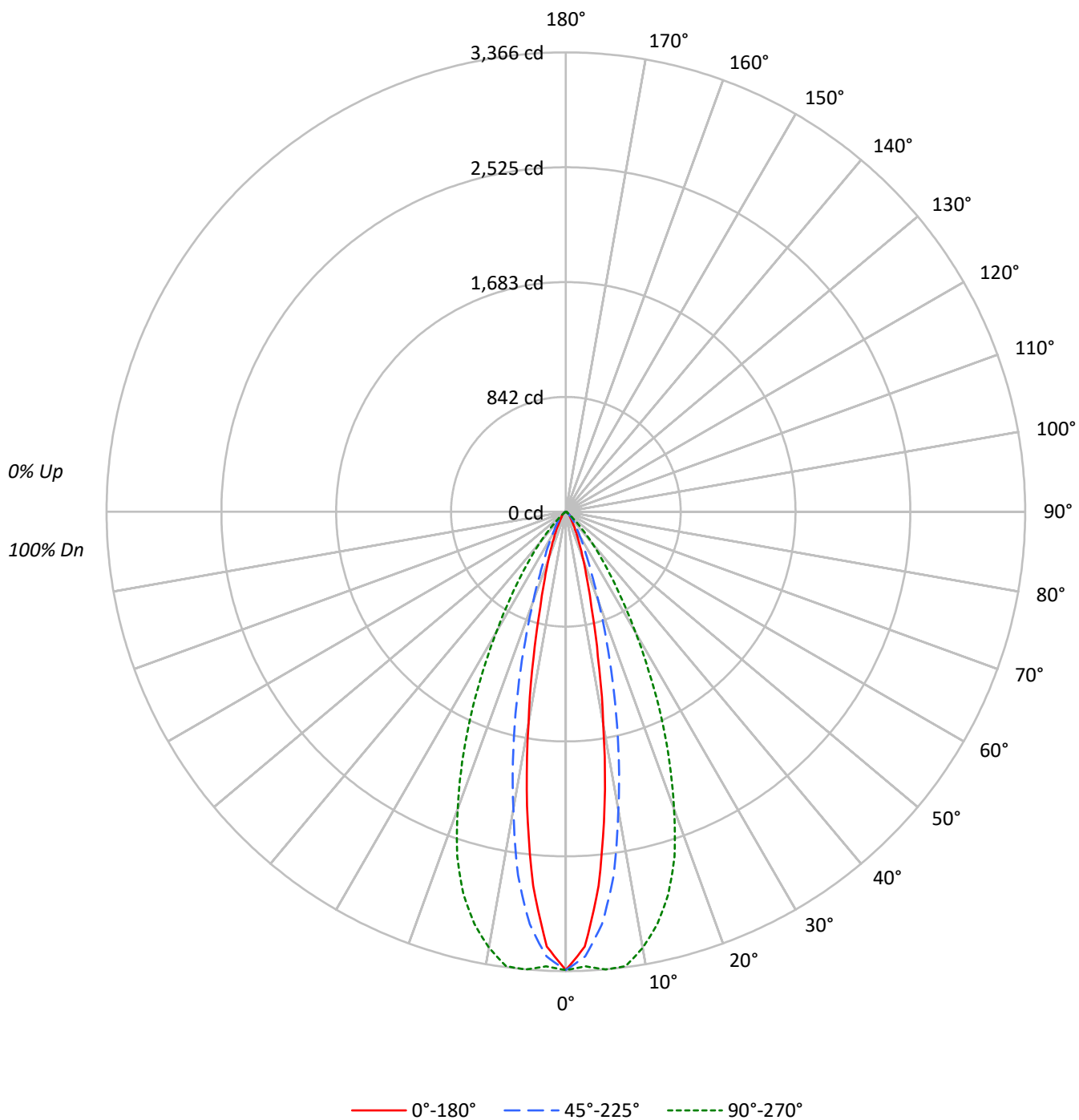
Lumens per Lamp: N/A
Luminaire Lumens: 1207.0 lumens
Efficiency: N/A
Efficacy: 58.6 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 20.6
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	109	107	112	109	107	106	105	104	102		102	100	99		98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	93	91	90
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		90	88	86	85
4	100	94	89	85	99	93	88	85	91	87	84		89	85	83		87	84	82	80
5	96	89	84	80	95	88	83	80	86	82	79		85	81	78		83	80	78	76
6	92	85	80	76	91	84	79	76	83	78	75		81	77	75		80	77	74	73
7	89	81	76	72	88	80	75	72	79	75	71		78	74	71		77	73	71	70
8	85	77	72	69	84	77	72	69	76	71	68		75	71	68		74	70	68	67
9	82	74	69	66	81	74	69	66	73	68	65		72	68	65		71	68	65	64
10	79	71	66	63	79	71	66	63	70	66	63		69	65	62		69	65	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1656610	1656610	1656610
5°	1361977	1502726	1667098
10°	790585	1110456	1625356
15°	368313	691577	1481169
20°	194102	364630	1217427
25°	107458	197441	897929
30°	63007	115646	580737
35°	40473	77574	344085
40°	31558	52296	191215
45°	27351	31258	84982
50°	24715	21491	31162
55°	16859	15655	14451
60°	12433	11051	11051
65°	9806	8172	9806
70°	8078	8078	8078
75°	8006	8006	8006
80°	7955	7955	7955
85°	7925	7925	7925

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 84982 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.4	22.2
10°-20°	437.8	36.3
20°-30°	292.0	24.2
30°-40°	131.6	10.9
40°-50°	48.2	4.0
50°-60°	16.9	1.4
60°-70°	7.9	0.7
70°-80°	4.2	0.3
80°-90°	1.1	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°	997.1	82.6
0°-40°	1128.8	93.5
0°-60°	1193.8	98.9
0°-90°	1207.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1207.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3358	3358	3358	3358	3358	
5°	2750	2836	3034	3256	3366	225
15°	721	847	1354	2288	2900	216
25°	197	230	363	989	1650	95
35°	67	76	129	279	571	45
45°	39	39	45	70	122	31
55°	20	18	18	15	17	18
65°	8	8	7	7	8	8
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°	3357.8	3357.8	3357.8	3357.8	3357.8
2.5°	3188.4	3222.0	3261.2	3301.8	3334.0
5°	2750.1	2835.5	3034.3	3255.6	3366.2
7.5°	2174.6	2300.6	2687.1	3124.0	3357.8
10°	1578.1	1739.1	2216.6	2895.7	3244.4
12.5°	1085.2	1236.4	1778.3	2607.3	3094.6
15°	721.1	847.2	1354.0	2288.0	2899.9
17.5°	508.3	593.7	984.4	1939.3	2649.3
20°	369.7	427.1	694.5	1597.7	2318.8
22.5°	268.8	312.3	494.3	1277.0	1984.2
25°	197.4	229.6	362.7	988.6	1649.5
27.5°	147.0	172.2	271.6	750.5	1314.8
30°	110.6	131.6	203.0	553.1	1019.4
32.5°	85.4	99.4	155.4	394.9	771.5
35°	67.2	75.6	128.8	278.7	571.3
37.5°	56.0	61.6	106.4	194.6	418.7
40°	49.0	53.2	81.2	138.6	296.9
42.5°	43.4	46.2	58.8	99.4	193.2
45°	39.2	39.2	44.8	70.0	121.8
47.5°	36.4	32.2	35.0	49.0	71.4
50°	32.2	26.6	28.0	33.6	40.6
52.5°	25.2	22.4	22.4	22.4	23.8
55°	19.6	18.2	18.2	15.4	16.8
57.5°	15.4	15.4	14.0	12.6	14.0
60°	12.6	12.6	11.2	9.8	11.2
62.5°	9.8	9.8	8.4	8.4	9.8
65°	8.4	8.4	7.0	7.0	8.4
67.5°	7.0	7.0	7.0	5.6	7.0
70°	5.6	5.6	5.6	5.6	5.6
72.5°	4.2	4.2	5.6	4.2	4.2
75°	4.2	4.2	4.2	4.2	4.2
77.5°	2.8	2.8	2.8	2.8	2.8
80°	2.8	2.8	2.8	2.8	2.8
82.5°	1.4	1.4	1.4	1.4	1.4
85°	1.4	1.4	1.4	1.4	1.4
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)