

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: P1179689

Luminaire Tested: LDA2B208030R2050D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179689
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: LDA2B208030R2050D010 2LBDC1MW
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

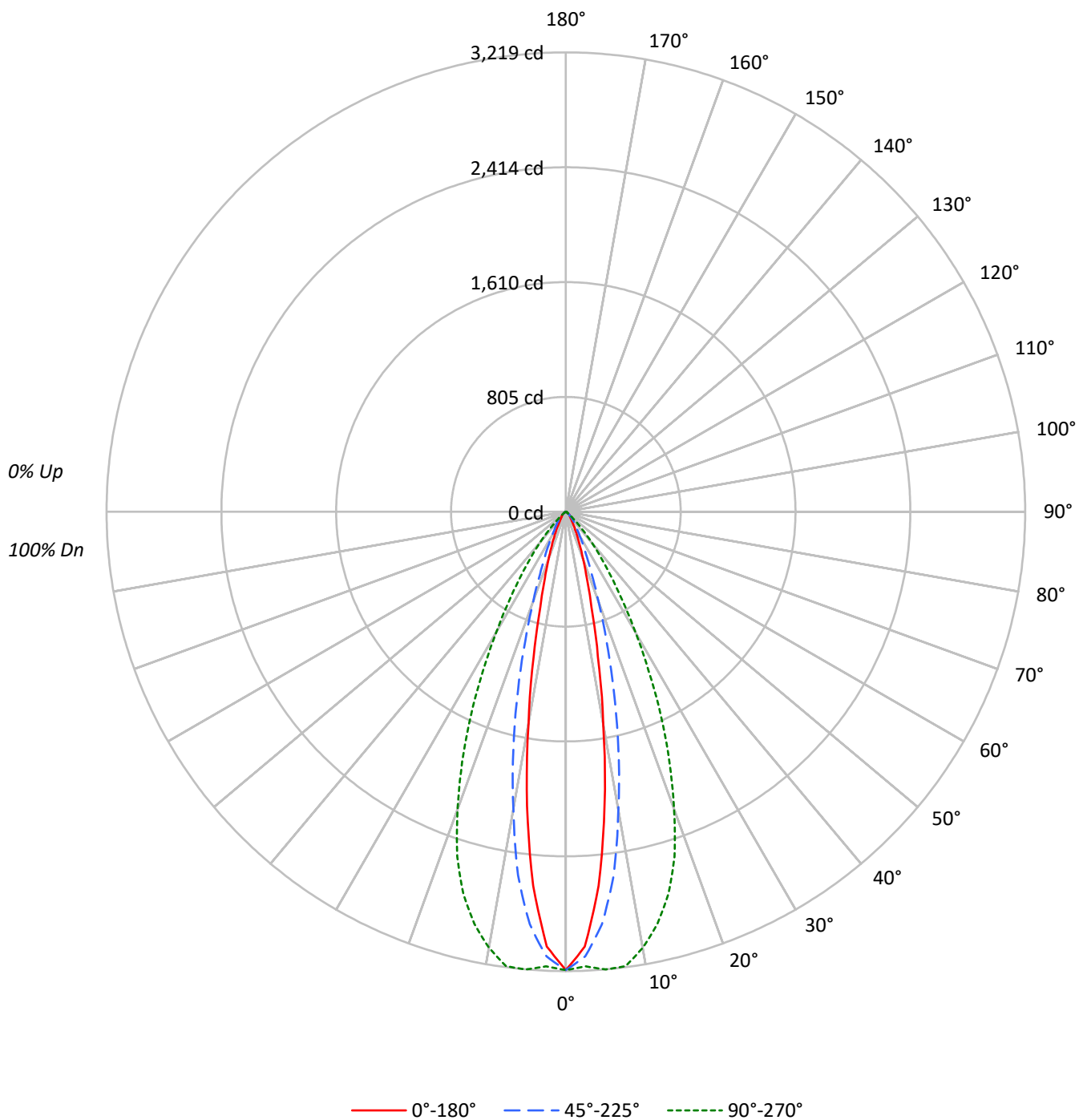
Lumens per Lamp: N/A
Luminaire Lumens: 1154.4 lumens
Efficiency: N/A
Efficacy: 56.0 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1179689

CATALOG NUMBER: LDA2B208030R2050D010 2LBDC1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1179689

CATALOG NUMBER: LDA2B208030R2050D010 2LBDC1MW

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°	1584382	1584382	1584382
5°	1302597	1437205	1594396
10°	756118	1062062	1554468
15°	352275	661442	1416609
20°	185596	348721	1164347
25°	102776	188840	858789
30°	60273	110633	555386
35°	38727	74201	329088
40°	30205	50042	182842
45°	26164	29932	81284
50°	23640	20570	29780
55°	16085	14967	13848
60°	11939	10558	10558
65°	9339	7822	9339
70°	7789	7789	7789
75°	7625	7625	7625
80°	7671	7671	7671
85°	7359	7359	7359

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 81284 cd/sqm

TEST NUMBER: P1179689

CATALOG NUMBER: LDA2B208030R2050D010 2LBDC1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.7	22.2
10°-20°	418.7	36.3
20°-30°	279.3	24.2
30°-40°	125.9	10.9
40°-50°	46.1	4.0
50°-60°	16.1	1.4
60°-70°	7.6	0.7
70°-80°	4.0	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°	953.7	82.6
0°-40°	1079.6	93.5
0°-60°	1141.8	98.9
0°-90°	1154.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1154.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3211	3211	3211	3211	3211	
5°	2630	2712	2902	3114	3219	215
15°	690	810	1295	2188	2774	206
25°	189	220	347	946	1578	91
35°	64	72	123	266	546	43
45°	38	38	43	67	116	29
55°	19	17	17	15	16	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	

TEST NUMBER: P1179689

CATALOG NUMBER: LDA2B208030R2050D010 2LBDC1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3211.4	3211.4	3211.4	3211.4	3211.4
2.5°	3049.4	3081.5	3119.0	3157.8	3188.6
5°	2630.2	2711.9	2902.0	3113.6	3219.4
7.5°	2079.8	2200.3	2569.9	2987.8	3211.4
10°	1509.3	1663.3	2120.0	2769.5	3102.9
12.5°	1037.9	1182.5	1700.8	2493.6	2959.6
15°	689.7	810.2	1295.0	2188.3	2773.5
17.5°	486.1	567.8	941.5	1854.8	2533.8
20°	353.5	408.5	664.2	1528.0	2217.7
22.5°	257.1	298.6	472.7	1221.3	1897.6
25°	188.8	219.6	346.9	945.5	1577.6
27.5°	140.6	164.7	259.8	717.8	1257.5
30°	105.8	125.9	194.2	529.0	974.9
32.5°	81.7	95.1	148.7	377.7	737.9
35°	64.3	72.3	123.2	266.5	546.4
37.5°	53.6	58.9	101.8	186.1	400.4
40°	46.9	50.9	77.7	132.6	283.9
42.5°	41.5	44.2	56.2	95.1	184.8
45°	37.5	37.5	42.9	67.0	116.5
47.5°	34.8	30.8	33.5	46.9	68.3
50°	30.8	25.4	26.8	32.1	38.8
52.5°	24.1	21.4	21.4	21.4	22.8
55°	18.7	17.4	17.4	14.7	16.1
57.5°	14.7	14.7	13.4	12.1	13.4
60°	12.1	12.1	10.7	9.4	10.7
62.5°	9.4	9.4	8.0	8.0	9.4
65°	8.0	8.0	6.7	6.7	8.0
67.5°	6.7	6.7	6.7	5.4	6.7
70°	5.4	5.4	5.4	5.4	5.4
72.5°	4.0	4.0	5.4	4.0	4.0
75°	4.0	4.0	4.0	4.0	4.0
77.5°	2.7	2.7	2.7	2.7	2.7
80°	2.7	2.7	2.7	2.7	2.7
82.5°	1.3	1.3	1.3	1.3	1.3
85°	1.3	1.3	1.3	1.3	1.3
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)