

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: P1179920

Luminaire Tested: LDA2B209030R2050D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179920
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: LDA2B209030R2050D010 2LBDC1MW
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

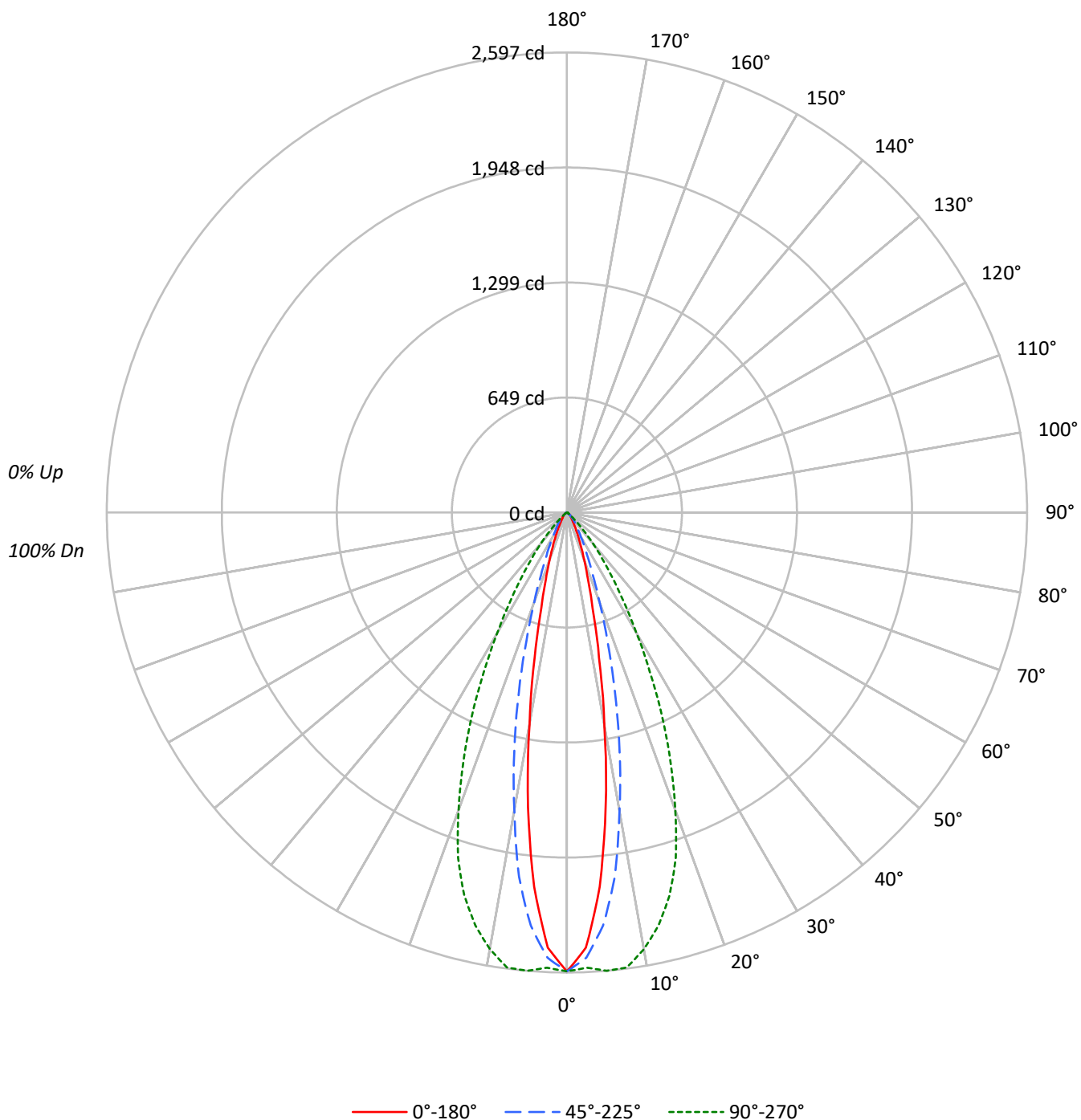
Lumens per Lamp: N/A
Luminaire Lumens: 931.1 lumens
Efficiency: N/A
Efficacy: 45.2 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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
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°	1277955	1277955	1277955
5°	1050665	1159273	1286056
10°	609884	856663	1253834
15°	284139	533546	1142634
20°	149737	281308	939164
25°	82907	152313	692704
30°	48594	89213	448000
35°	31259	59867	265426
40°	24345	40381	147485
45°	21071	24141	65586
50°	19035	16579	24024
55°	12988	12042	11182
60°	9571	8486	8486
65°	7588	6304	7588
70°	6203	6203	6203
75°	6100	6100	6100
80°	6251	6251	6251
85°	6227	6227	6227

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 65586 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.2	22.2
10°-20°	337.7	36.3
20°-30°	225.3	24.2
30°-40°	101.6	10.9
40°-50°	37.2	4.0
50°-60°	13.0	1.4
60°-70°	6.1	0.7
70°-80°	3.2	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°	769.2	82.6
0°-40°	870.8	93.5
0°-60°	920.9	98.9
0°-90°	931.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	931.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2590	2590	2590	2590	2590	
5°	2122	2187	2341	2512	2597	173
15°	556	654	1045	1765	2237	167
25°	152	177	280	763	1272	74
35°	52	58	99	215	441	34
45°	30	30	35	54	94	24
55°	15	14	14	12	13	14
65°	6	6	5	5	6	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°	2590.3	2590.3	2590.3	2590.3	2590.3
2.5°	2459.6	2485.6	2515.8	2547.1	2572.0
5°	2121.5	2187.4	2340.8	2511.5	2596.8
7.5°	1677.6	1774.8	2072.9	2409.9	2590.3
10°	1217.4	1341.6	1710.0	2233.9	2502.8
12.5°	837.2	953.8	1371.9	2011.3	2387.3
15°	556.3	653.5	1044.6	1765.1	2237.1
17.5°	392.1	458.0	759.4	1496.1	2043.8
20°	285.2	329.5	535.8	1232.5	1788.8
22.5°	207.4	240.9	381.3	985.2	1530.7
25°	152.3	177.2	279.8	762.6	1272.5
27.5°	113.4	132.9	209.6	579.0	1014.3
30°	85.3	101.5	156.6	426.7	786.4
32.5°	65.9	76.7	119.9	304.6	595.2
35°	51.9	58.3	99.4	215.0	440.7
37.5°	43.2	47.5	82.1	150.1	323.0
40°	37.8	41.0	62.7	106.9	229.0
42.5°	33.5	35.6	45.4	76.7	149.1
45°	30.2	30.2	34.6	54.0	94.0
47.5°	28.1	24.8	27.0	37.8	55.1
50°	24.8	20.5	21.6	25.9	31.3
52.5°	19.4	17.3	17.3	17.3	18.4
55°	15.1	14.0	14.0	11.9	13.0
57.5°	11.9	11.9	10.8	9.7	10.8
60°	9.7	9.7	8.6	7.6	8.6
62.5°	7.6	7.6	6.5	6.5	7.6
65°	6.5	6.5	5.4	5.4	6.5
67.5°	5.4	5.4	5.4	4.3	5.4
70°	4.3	4.3	4.3	4.3	4.3
72.5°	3.2	3.2	4.3	3.2	3.2
75°	3.2	3.2	3.2	3.2	3.2
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)