

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: P1179676

Luminaire Tested: LDA2B208030R2040D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179676
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2206-683-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B208030R2040D010 2LBDC1MW
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

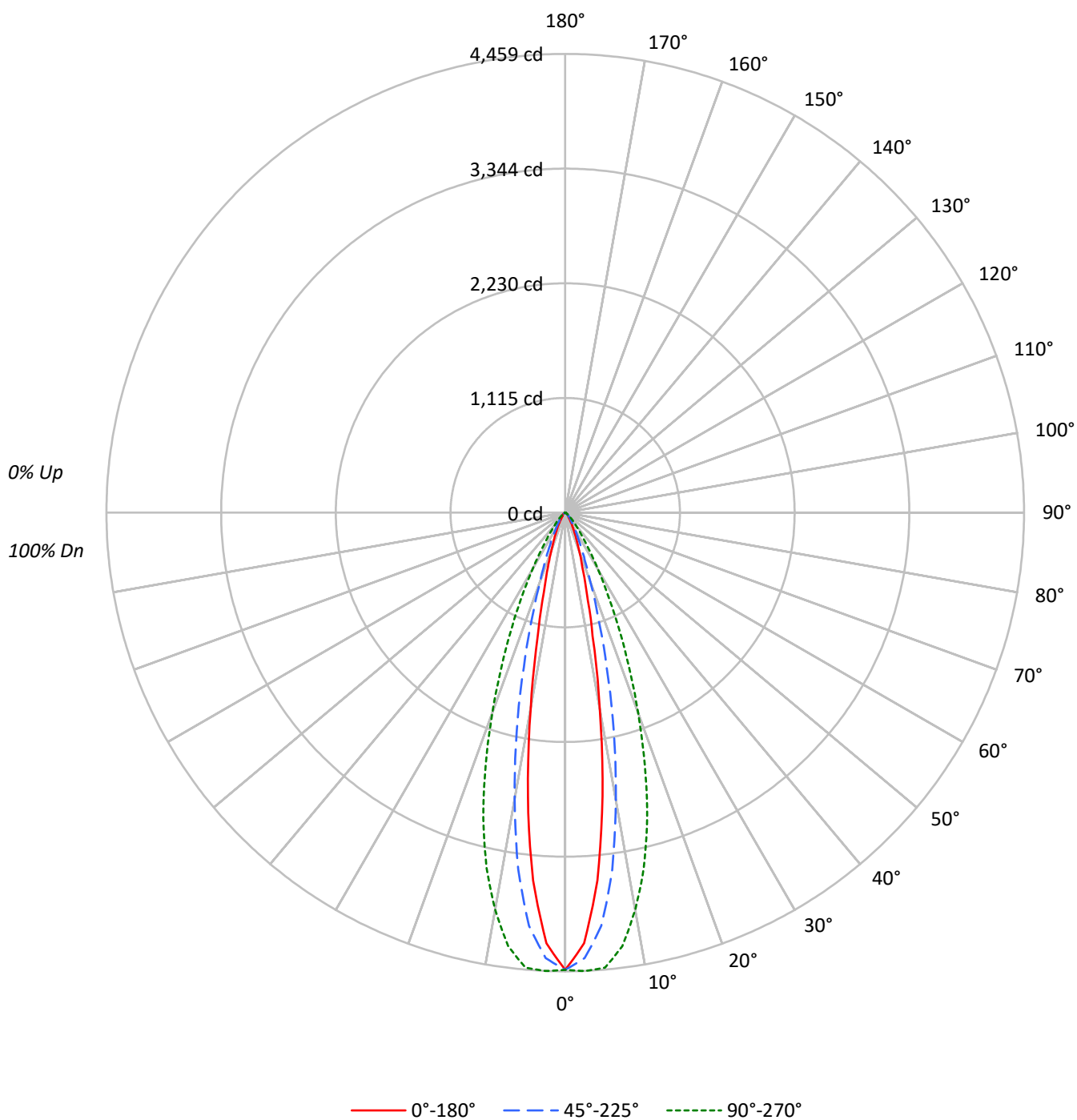
Lumens per Lamp: N/A
Luminaire Lumens: 1252.7 lumens
Efficiency: N/A
Efficacy: 60.8 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95
3	106	100	96	93	104	99	95	92	96	93	91		94	92	89		92
4	102	95	91	87	100	94	90	87	92	89	86		90	87	85		89
5	98	91	86	83	97	90	86	83	89	85	82		87	84	81		86
6	94	87	83	79	93	87	82	79	85	81	78		84	80	78		83
7	91	84	79	76	90	83	79	75	82	78	75		81	77	75		80
8	88	81	76	73	87	80	76	72	79	75	72		78	75	72		77
9	85	78	73	70	84	77	73	70	76	72	70		76	72	69		75
10	83	75	70	67	82	75	70	67	74	70	67		73	70	67		73

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2192648	2192648	2192648
5°	1777291	1996189	2198349
10°	966326	1417302	1963061
15°	408715	795313	1571320
20°	208645	373975	1086486
25°	115514	191290	662219
30°	64659	106246	361123
35°	37462	64324	183998
40°	27887	48754	101822
45°	24490	33002	60353
50°	25943	21798	32160
55°	18579	15139	17461
60°	12038	10657	10657
65°	9456	9456	9456
70°	7789	7789	7789
75°	7815	7815	7815
80°	7671	7671	7671
85°	7925	7925	7925

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 60353 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.3	27.6
10°-20°	489.7	39.1
20°-30°	252.3	20.1
30°-40°	92.8	7.4
40°-50°	40.8	3.3
50°-60°	17.9	1.4
60°-70°	7.8	0.6
70°-80°	3.9	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°	1088.2	86.9
0°-40°	1181.1	94.3
0°-60°	1239.7	99.0
0°-90°	1252.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1252.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4444	4444	4444	4444	4444	
5°	3589	3710	4031	4316	4439	289
15°	800	930	1557	2598	3076	245
25°	212	238	351	807	1216	102
35°	62	72	107	186	306	42
45°	35	41	47	57	86	28
55°	22	19	18	19	20	20
65°	8	8	8	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°	4444.3	4444.3	4444.3	4444.3	4444.3
2.5°	4190.2	4240.2	4333.5	4422.7	4459.2
5°	3588.7	3710.4	4030.7	4315.9	4438.9
7.5°	2779.1	2979.1	3498.2	4032.1	4251.0
10°	1928.9	2131.6	2829.1	3596.8	3918.5
12.5°	1230.0	1427.4	2180.3	3114.3	3532.0
15°	800.2	930.0	1557.1	2597.9	3076.4
17.5°	555.5	647.5	1059.7	2050.5	2572.3
20°	397.4	462.3	712.3	1563.9	2069.4
22.5°	287.9	332.5	494.7	1142.2	1608.5
25°	212.2	237.9	351.4	807.0	1216.5
27.5°	156.8	173.0	254.1	556.9	889.4
30°	113.5	127.1	186.5	382.5	633.9
32.5°	82.5	94.6	139.2	264.9	442.0
35°	62.2	71.6	106.8	186.5	305.5
37.5°	51.4	56.8	87.9	135.2	216.3
40°	43.3	48.7	75.7	100.0	158.1
42.5°	37.8	44.6	62.2	74.3	118.9
45°	35.1	40.6	47.3	56.8	86.5
47.5°	35.1	33.8	36.5	43.3	60.8
50°	33.8	28.4	28.4	33.8	41.9
52.5°	28.4	23.0	23.0	24.3	28.4
55°	21.6	18.9	17.6	18.9	20.3
57.5°	16.2	16.2	14.9	13.5	14.9
60°	12.2	12.2	10.8	10.8	10.8
62.5°	9.5	9.5	9.5	8.1	9.5
65°	8.1	8.1	8.1	6.8	8.1
67.5°	6.8	6.8	5.4	6.8	6.8
70°	5.4	5.4	5.4	5.4	5.4
72.5°	4.1	4.1	4.1	4.1	4.1
75°	4.1	4.1	4.1	4.1	4.1
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°	1.4	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)