

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: P1179751

Luminaire Tested: LDA2B208040R2040D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179751
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: LDA2B208040R2040D010 2LBDC1MW
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

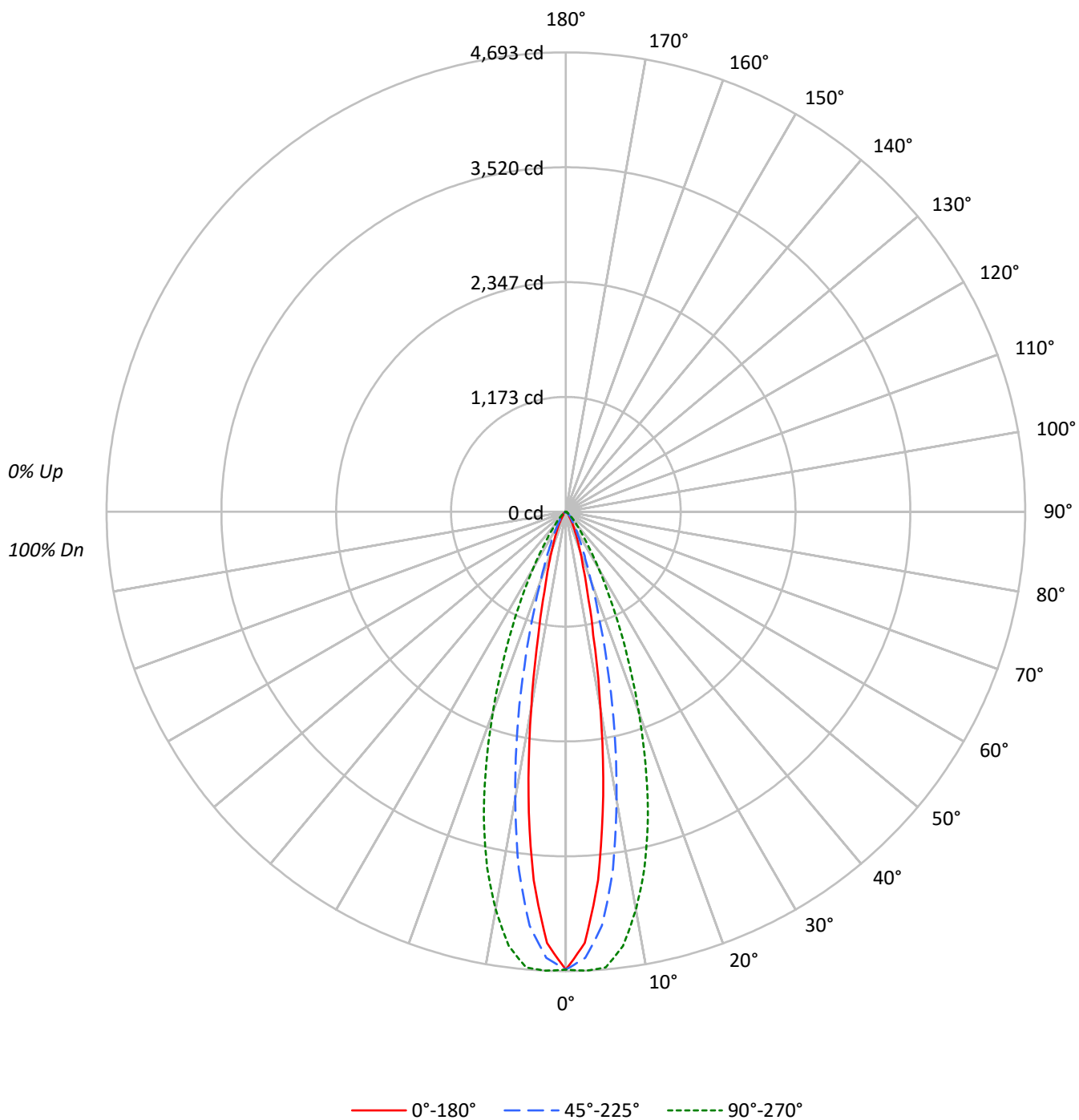
Lumens per Lamp: N/A
Luminaire Lumens: 1318.3 lumens
Efficiency: N/A
Efficacy: 64.0 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	92	89	92	90	88	88	88	87
4	102	95	91	88	100	94	90	87	92	89	86	90	87	85	89	86	84	84	84	83
5	98	91	86	83	97	90	86	83	89	85	82	87	84	81	86	83	81	81	81	79
6	94	87	83	79	93	87	82	79	85	81	78	84	80	78	83	80	77	77	77	76
7	91	84	79	76	90	83	79	75	82	78	75	81	77	75	80	77	74	74	74	73
8	88	81	76	73	87	80	76	72	79	75	72	78	75	72	77	74	72	72	72	70
9	85	78	73	70	84	77	73	70	76	72	70	76	72	69	75	72	69	69	69	68
10	83	75	70	67	82	75	70	67	74	70	67	73	70	67	73	69	67	67	67	66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2307700	2307700	2307700
5°	1870545	2100885	2313692
10°	1016975	1491646	2066061
15°	430167	837043	1653757
20°	219565	393611	1143504
25°	121557	201360	696950
30°	68077	111829	380094
35°	39389	67697	193634
40°	29304	51330	107168
45°	25816	34746	63492
50°	27324	22949	33848
55°	19611	15913	18321
60°	12630	11249	11249
65°	9923	9923	9923
70°	8222	8222	8222
75°	8197	8197	8197
80°	7955	7955	7955
85°	7925	7925	7925

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 63492 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	364.5	27.6
10°-20°	515.4	39.1
20°-30°	265.5	20.1
30°-40°	97.7	7.4
40°-50°	42.9	3.3
50°-60°	18.8	1.4
60°-70°	8.2	0.6
70°-80°	4.1	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°	1145.3	86.9
0°-40°	1243.0	94.3
0°-60°	1304.8	99.0
0°-90°	1318.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1318.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4678	4678	4678	4678	4678	
5°	3777	3905	4242	4542	4672	304
15°	842	979	1639	2734	3238	257
25°	223	250	370	849	1280	107
35°	65	75	112	196	322	44
45°	37	43	50	60	91	30
55°	23	20	18	20	21	21
65°	8	8	8	7	8	9
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°	4677.5	4677.5	4677.5	4677.5	4677.5
2.5°	4410.0	4462.6	4560.8	4654.7	4693.1
5°	3777.0	3905.0	4242.1	4542.3	4671.8
7.5°	2924.8	3135.4	3681.6	4243.6	4474.0
10°	2030.0	2243.4	2977.5	3785.5	4124.1
12.5°	1294.5	1502.2	2294.6	3277.6	3717.2
15°	842.2	978.7	1638.8	2734.2	3237.8
17.5°	584.7	681.4	1115.3	2158.1	2707.2
20°	418.2	486.5	749.7	1645.9	2178.0
22.5°	303.0	350.0	520.7	1202.1	1692.9
25°	223.3	250.4	369.9	849.3	1280.3
27.5°	165.0	182.1	267.4	586.1	936.1
30°	119.5	133.7	196.3	402.6	667.2
32.5°	86.8	99.6	146.5	278.8	465.2
35°	65.4	75.4	112.4	196.3	321.5
37.5°	54.1	59.7	92.5	142.3	227.6
40°	45.5	51.2	79.7	105.3	166.4
42.5°	39.8	46.9	65.4	78.2	125.2
45°	37.0	42.7	49.8	59.7	91.0
47.5°	37.0	35.6	38.4	45.5	64.0
50°	35.6	29.9	29.9	35.6	44.1
52.5°	29.9	24.2	24.2	25.6	29.9
55°	22.8	19.9	18.5	19.9	21.3
57.5°	17.1	17.1	15.6	14.2	15.6
60°	12.8	12.8	11.4	11.4	11.4
62.5°	10.0	10.0	10.0	8.5	10.0
65°	8.5	8.5	8.5	7.1	8.5
67.5°	7.1	7.1	5.7	7.1	7.1
70°	5.7	5.7	5.7	5.7	5.7
72.5°	4.3	4.3	4.3	4.3	4.3
75°	4.3	4.3	4.3	4.3	4.3
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)