

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: P1179760

Luminaire Tested: LDA2B208040R2050D010 2LBD1WHH

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179760
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: LDA2B208040R2050D010 2LBD1WHH
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

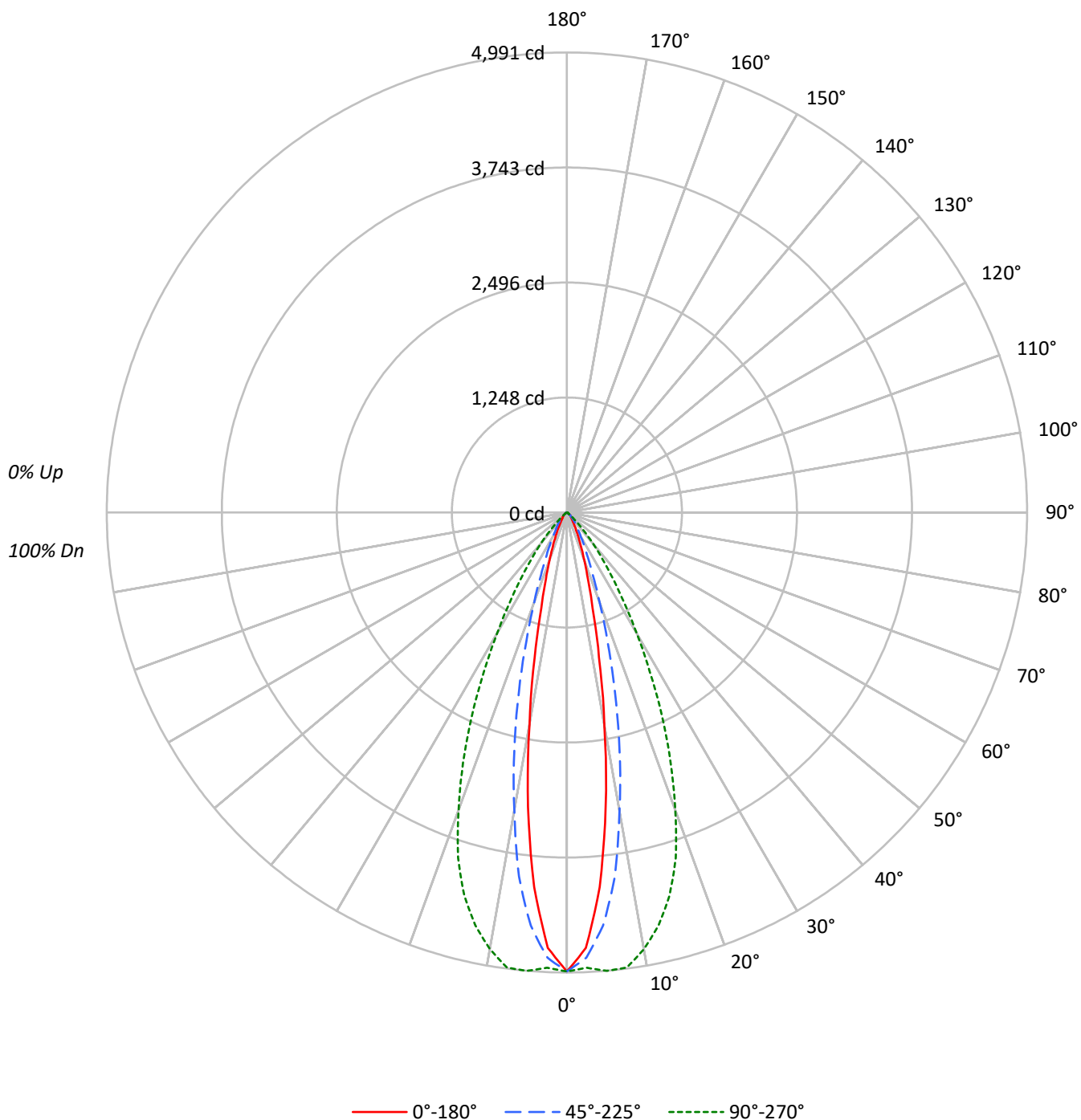
Lumens per Lamp: N/A
Luminaire Lumens: 1789.7 lumens
Efficiency: N/A
Efficacy: 86.9 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2456350	2456350	2456350
5°	2019466	2228212	2471923
10°	1172226	1646547	2409979
15°	546162	1025464	2196241
20°	287766	540670	1805140
25°	159335	292705	1331407
30°	93428	171532	861079
35°	60048	115036	510194
40°	46822	77542	283506
45°	40537	46329	126008
50°	36688	31853	46206
55°	25030	23224	21418
60°	18452	16380	16380
65°	14592	12141	14592
70°	11973	11973	11973
75°	11818	11818	11818
80°	11933	11933	11933
85°	11887	11887	11887

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 126008 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	396.4	22.2
10°-20°	649.1	36.3
20°-30°	433.0	24.2
30°-40°	195.2	10.9
40°-50°	71.4	4.0
50°-60°	25.0	1.4
60°-70°	11.7	0.7
70°-80°	6.2	0.3
80°-90°	1.7	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°	1478.5	82.6
0°-40°	1673.7	93.5
0°-60°	1770.1	98.9
0°-90°	1789.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1789.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4979	4979	4979	4979	4979	
5°	4078	4204	4499	4827	4991	333
15°	1069	1256	2008	3393	4300	320
25°	293	340	538	1466	2446	141
35°	100	112	191	413	847	66
45°	58	58	66	104	181	46
55°	29	27	27	23	25	27
65°	12	12	10	10	12	13
75°	6	6	6	6	6	6
85°	2	2	2	2	2	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4978.8	4978.8	4978.8	4978.8	4978.8
2.5°	4727.6	4777.4	4835.5	4895.8	4943.5
5°	4077.7	4204.4	4499.2	4827.2	4991.3
7.5°	3224.4	3411.3	3984.3	4632.1	4978.8
10°	2339.9	2578.7	3286.7	4293.6	4810.6
12.5°	1609.1	1833.3	2636.8	3865.9	4588.5
15°	1069.3	1256.1	2007.7	3392.6	4299.9
17.5°	753.7	880.3	1459.6	2875.6	3928.2
20°	548.1	633.3	1029.8	2369.0	3438.2
22.5°	398.6	463.0	732.9	1893.5	2942.0
25°	292.7	340.5	537.7	1465.8	2445.8
27.5°	218.0	255.4	402.8	1112.9	1949.6
30°	164.0	195.2	301.1	820.1	1511.5
32.5°	126.7	147.4	230.5	585.5	1144.0
35°	99.7	112.1	191.0	413.2	847.1
37.5°	83.0	91.4	157.8	288.6	620.8
40°	72.7	78.9	120.4	205.5	440.2
42.5°	64.4	68.5	87.2	147.4	286.5
45°	58.1	58.1	66.4	103.8	180.6
47.5°	54.0	47.8	51.9	72.7	105.9
50°	47.8	39.4	41.5	49.8	60.2
52.5°	37.4	33.2	33.2	33.2	35.3
55°	29.1	27.0	27.0	22.8	24.9
57.5°	22.8	22.8	20.8	18.7	20.8
60°	18.7	18.7	16.6	14.5	16.6
62.5°	14.5	14.5	12.5	12.5	14.5
65°	12.5	12.5	10.4	10.4	12.5
67.5°	10.4	10.4	10.4	8.3	10.4
70°	8.3	8.3	8.3	8.3	8.3
72.5°	6.2	6.2	8.3	6.2	6.2
75°	6.2	6.2	6.2	6.2	6.2
77.5°	4.2	4.2	4.2	4.2	4.2
80°	4.2	4.2	4.2	4.2	4.2
82.5°	2.1	2.1	2.1	2.1	2.1
85°	2.1	2.1	2.1	2.1	2.1
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)