

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: P1179686

Luminaire Tested: LDA2B208030R2050D010 2LBD1WMH

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179686
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 2LBD1WMH
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

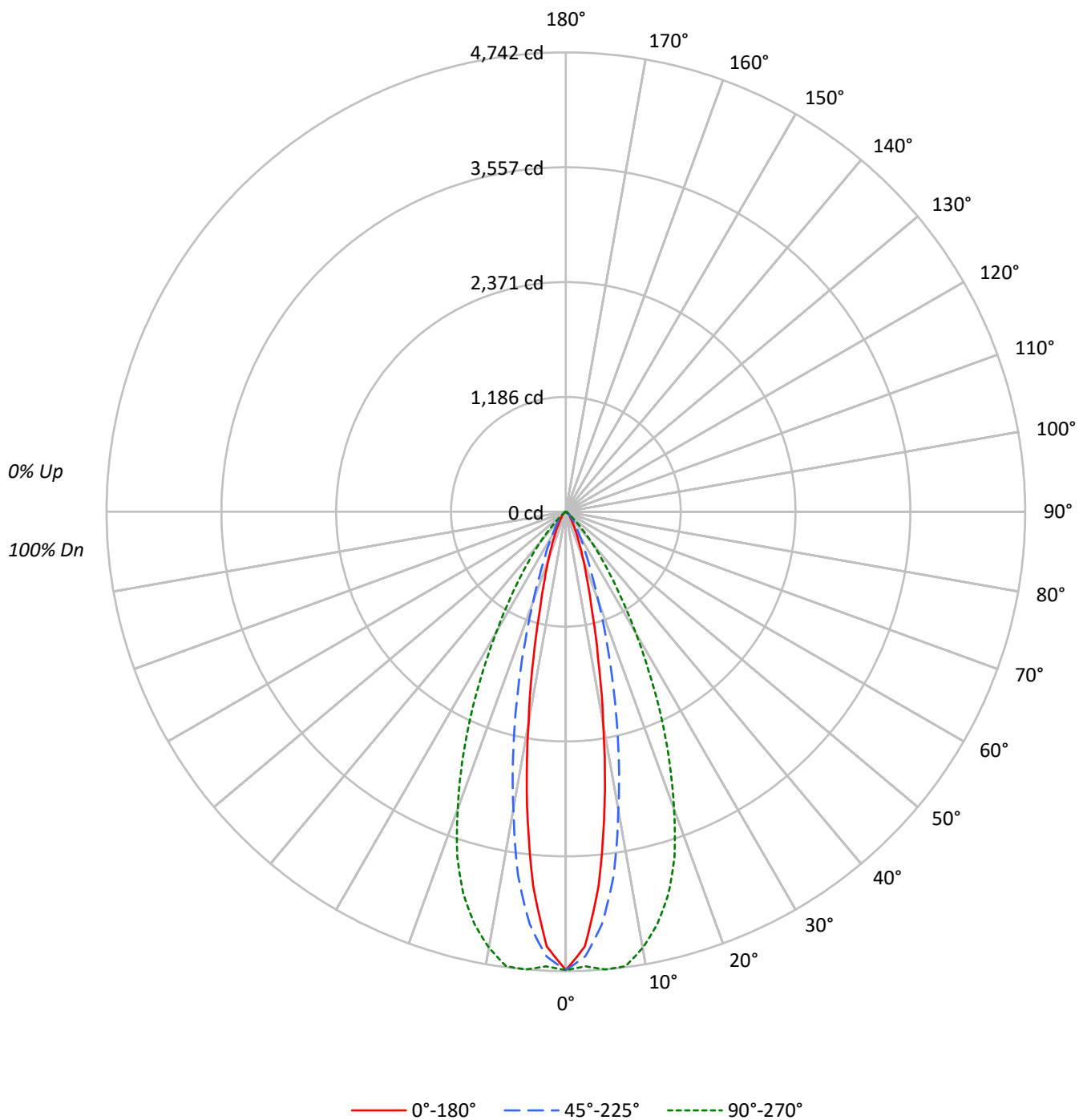
Lumens per Lamp: N/A
Luminaire Lumens: 1700.5 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	2333947	2333947	2333947
5°	1918832	2117178	2348706
10°	1113813	1564488	2289896
15°	518938	974388	2086784
20°	273433	513737	1715203
25°	151442	278116	1265049
30°	88757	162987	818182
35°	57036	109314	484778
40°	44439	73678	269337
45°	38514	44026	119729
50°	34846	30318	43903
55°	23740	22020	20386
60°	17564	15590	15590
65°	13775	11557	13775
70°	11396	11396	11396
75°	11247	11247	11247
80°	11081	11081	11081
85°	11321	11321	11321

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 119729 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.7	22.2
10°-20°	616.7	36.3
20°-30°	411.4	24.2
30°-40°	185.5	10.9
40°-50°	67.9	4.0
50°-60°	23.8	1.4
60°-70°	11.1	0.7
70°-80°	5.8	0.3
80°-90°	1.6	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°	1404.8	82.6
0°-40°	1590.3	93.5
0°-60°	1681.9	98.9
0°-90°	1700.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1700.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4731	4731	4731	4731	4731	
5°	3874	3995	4275	4587	4742	316
15°	1016	1194	1908	3224	4086	304
25°	278	324	511	1393	2324	134
35°	95	106	182	393	805	63
45°	55	55	63	99	172	43
55°	28	26	26	22	24	26
65°	12	12	10	10	12	12
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°	4730.7	4730.7	4730.7	4730.7	4730.7
2.5°	4492.0	4539.3	4594.6	4651.8	4697.1
5°	3874.5	3994.8	4275.0	4586.7	4742.5
7.5°	3063.7	3241.2	3785.7	4401.2	4730.7
10°	2223.3	2450.2	3122.9	4079.7	4570.9
12.5°	1528.9	1741.9	2505.4	3673.3	4359.8
15°	1016.0	1193.5	1907.7	3223.5	4085.6
17.5°	716.1	836.5	1386.8	2732.3	3732.5
20°	520.8	601.7	978.5	2250.9	3266.9
22.5°	378.8	439.9	696.4	1799.2	2795.4
25°	278.2	323.5	510.9	1392.8	2323.9
27.5°	207.1	242.6	382.7	1057.4	1852.4
30°	155.8	185.4	286.1	779.2	1436.2
32.5°	120.3	140.1	219.0	556.3	1087.0
35°	94.7	106.5	181.5	392.6	804.9
37.5°	78.9	86.8	149.9	274.2	589.9
40°	69.0	75.0	114.4	195.3	418.2
42.5°	61.2	65.1	82.9	140.1	272.2
45°	55.2	55.2	63.1	98.6	171.6
47.5°	51.3	45.4	49.3	69.0	100.6
50°	45.4	37.5	39.5	47.3	57.2
52.5°	35.5	31.6	31.6	31.6	33.5
55°	27.6	25.6	25.6	21.7	23.7
57.5°	21.7	21.7	19.7	17.8	19.7
60°	17.8	17.8	15.8	13.8	15.8
62.5°	13.8	13.8	11.8	11.8	13.8
65°	11.8	11.8	9.9	9.9	11.8
67.5°	9.9	9.9	9.9	7.9	9.9
70°	7.9	7.9	7.9	7.9	7.9
72.5°	5.9	5.9	7.9	5.9	5.9
75°	5.9	5.9	5.9	5.9	5.9
77.5°	3.9	3.9	3.9	3.9	3.9
80°	3.9	3.9	3.9	3.9	3.9
82.5°	2.0	2.0	2.0	2.0	2.0
85°	2.0	2.0	2.0	2.0	2.0
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)