

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: P1179643

Luminaire Tested: LDA2B208027R2050D010 2LBD1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179643
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: LDA2B208027R2050D010 2LBD1MMS
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

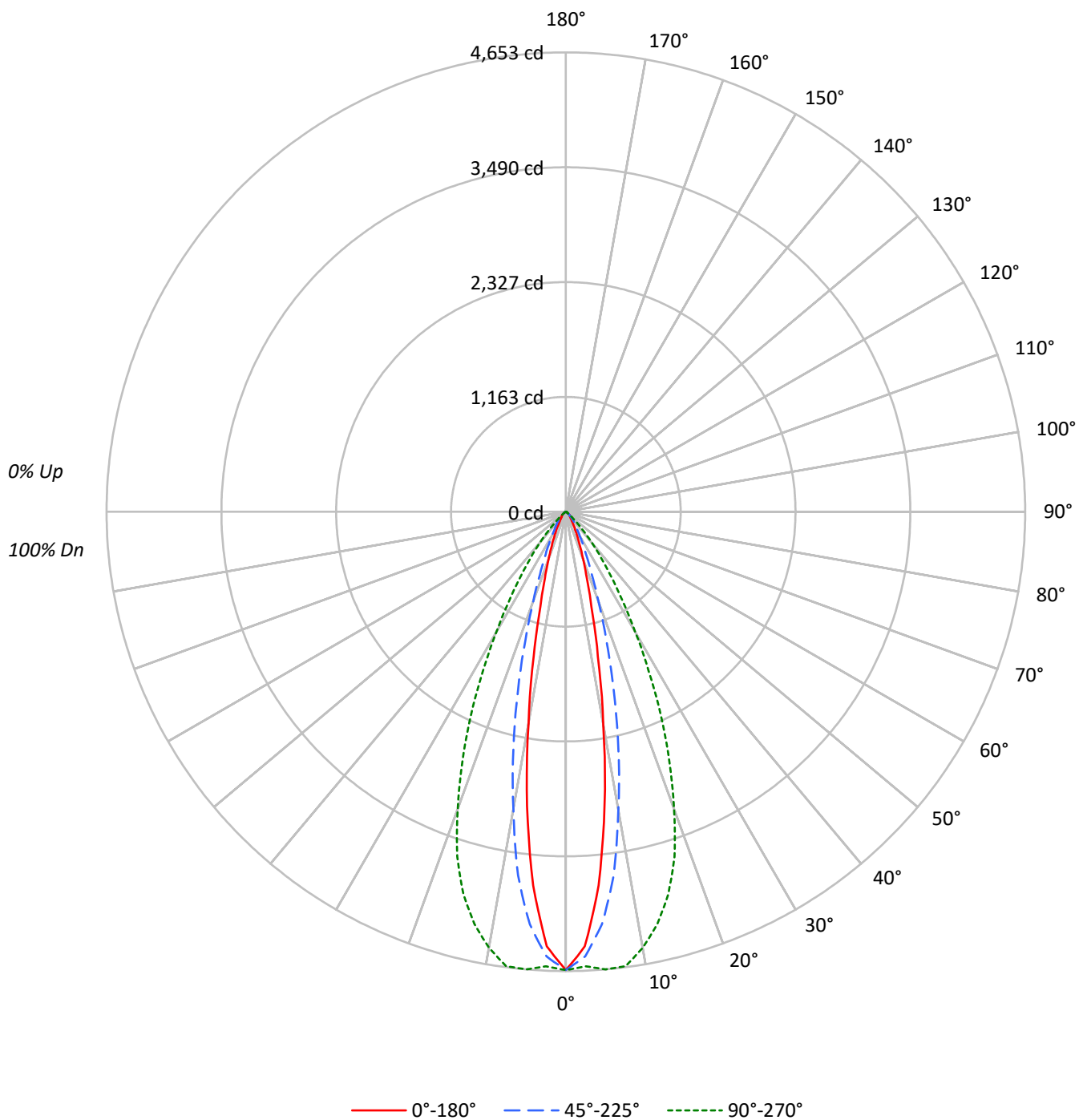
Lumens per Lamp: N/A
Luminaire Lumens: 1668.3 lumens
Efficiency: N/A
Efficacy: 81.0 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	2289791	2289791	2289791
5°	1882530	2077113	2304282
10°	1092722	1534880	2246562
15°	509131	955949	2047302
20°	268288	504024	1682757
25°	148557	272890	1241151
30°	87105	159854	802686
35°	55952	107267	475623
40°	43601	72325	264249
45°	37816	43189	117496
50°	34155	29704	43059
55°	23310	21676	19955
60°	17169	15294	15294
65°	13542	11324	13542
70°	11107	11107	11107
75°	11056	11056	11056
80°	11081	11081	11081
85°	10755	10755	10755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 117496 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	369.5	22.2
10°-20°	605.1	36.3
20°-30°	403.6	24.2
30°-40°	182.0	10.9
40°-50°	66.6	4.0
50°-60°	23.3	1.4
60°-70°	10.9	0.7
70°-80°	5.7	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°	1378.2	82.6
0°-40°	1560.2	93.5
0°-60°	1650.1	98.9
0°-90°	1668.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1668.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4641	4641	4641	4641	4641	
5°	3801	3919	4194	4500	4653	310
15°	997	1171	1872	3162	4008	298
25°	273	317	501	1366	2280	132
35°	93	104	178	385	790	62
45°	54	54	62	97	168	42
55°	27	25	25	21	23	25
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°	4641.2	4641.2	4641.2	4641.2	4641.2
2.5°	4407.0	4453.5	4507.6	4563.8	4608.3
5°	3801.2	3919.3	4194.1	4499.9	4652.8
7.5°	3005.7	3179.9	3714.1	4318.0	4641.2
10°	2181.2	2403.8	3063.8	4002.5	4484.4
12.5°	1500.0	1709.0	2458.0	3603.8	4277.3
15°	996.8	1170.9	1871.6	3162.5	4008.3
17.5°	702.6	820.6	1360.6	2680.6	3661.9
20°	511.0	590.3	960.0	2208.3	3205.1
22.5°	371.6	431.6	683.2	1765.1	2742.5
25°	272.9	317.4	501.3	1366.4	2280.0
27.5°	203.2	238.1	375.5	1037.4	1817.4
30°	152.9	181.9	280.6	764.5	1409.0
32.5°	118.1	137.4	214.8	545.8	1066.4
35°	92.9	104.5	178.1	385.2	789.7
37.5°	77.4	85.2	147.1	269.0	578.7
40°	67.7	73.5	112.3	191.6	410.3
42.5°	60.0	63.9	81.3	137.4	267.1
45°	54.2	54.2	61.9	96.8	168.4
47.5°	50.3	44.5	48.4	67.7	98.7
50°	44.5	36.8	38.7	46.5	56.1
52.5°	34.8	31.0	31.0	31.0	32.9
55°	27.1	25.2	25.2	21.3	23.2
57.5°	21.3	21.3	19.4	17.4	19.4
60°	17.4	17.4	15.5	13.5	15.5
62.5°	13.5	13.5	11.6	11.6	13.5
65°	11.6	11.6	9.7	9.7	11.6
67.5°	9.7	9.7	9.7	7.7	9.7
70°	7.7	7.7	7.7	7.7	7.7
72.5°	5.8	5.8	7.7	5.8	5.8
75°	5.8	5.8	5.8	5.8	5.8
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°	1.9	1.9	1.9	1.9	1.9
85°	1.9	1.9	1.9	1.9	1.9
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)