

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: P1179650

Luminaire Tested: LDA2B208027R2050D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179650
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 2LBDC1MW
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

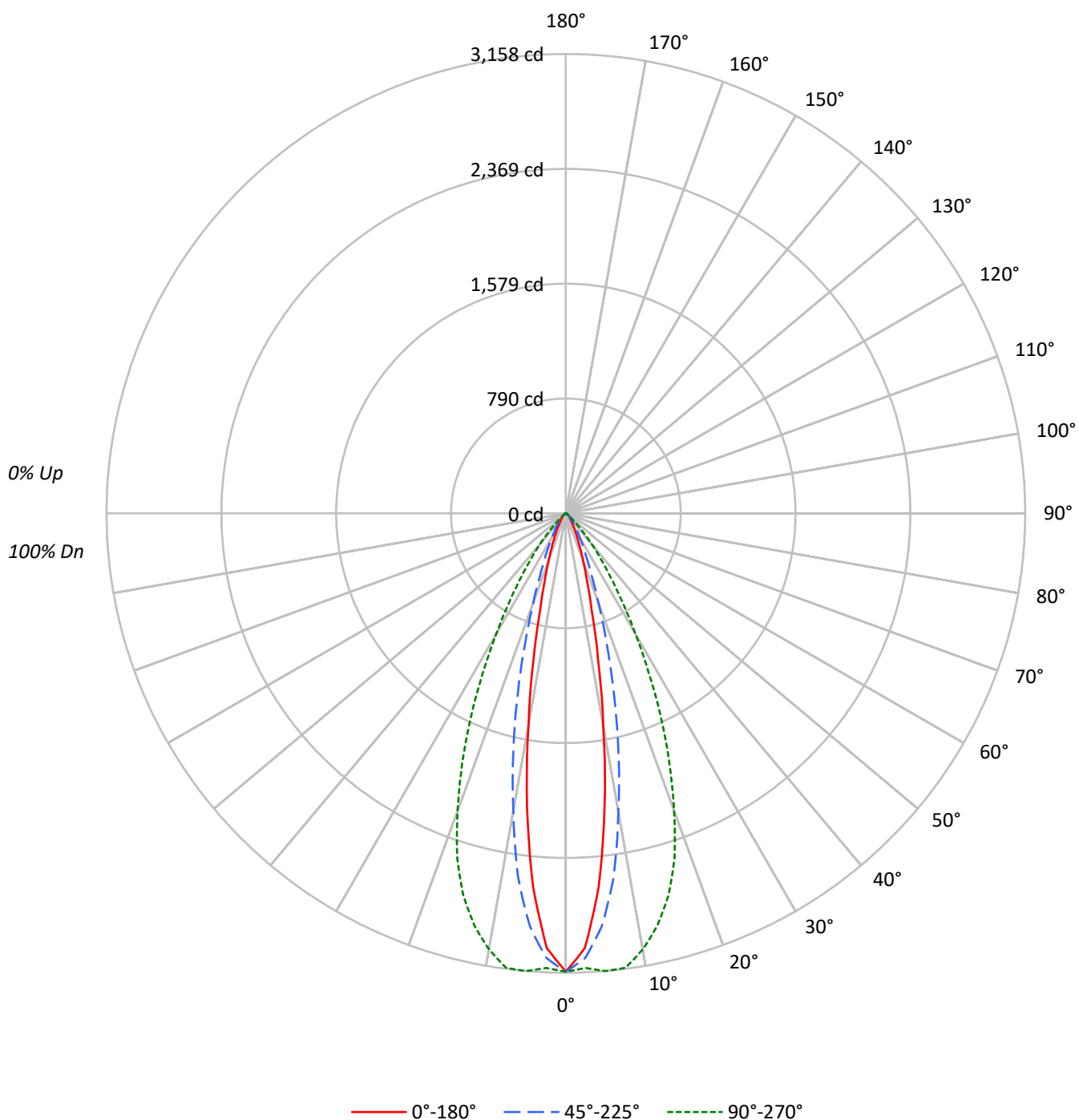
Lumens per Lamp: N/A
Luminaire Lumens: 1132.5 lumens
Efficiency: N/A
Efficacy: 55.0 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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
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°	1554435	1554435	1554435
5°	1277934	1410016	1564236
10°	741790	1041973	1525061
15°	345584	648928	1389793
20°	182131	342159	1142349
25°	100871	185247	842513
30°	59133	108525	544904
35°	38004	72816	322884
40°	29626	49076	179365
45°	25676	29304	79749
50°	23180	20186	29243
55°	15827	14709	13590
60°	11643	10361	10361
65°	9222	7705	9222
70°	7645	7645	7645
75°	7434	7434	7434
80°	7387	7387	7387
85°	7359	7359	7359

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 79749 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.9	22.2
10°-20°	410.8	36.3
20°-30°	274.0	24.2
30°-40°	123.5	10.9
40°-50°	45.2	4.0
50°-60°	15.8	1.4
60°-70°	7.4	0.7
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°	935.6	82.6
0°-40°	1059.1	93.5
0°-60°	1120.2	98.9
0°-90°	1132.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1132.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3151	3151	3151	3151	3151	
5°	2580	2661	2847	3055	3158	211
15°	677	795	1270	2147	2721	203
25°	185	216	340	928	1548	89
35°	63	71	121	262	536	42
45°	37	37	42	66	114	29
55°	18	17	17	14	16	17
65°	8	8	7	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°	3150.7	3150.7	3150.7	3150.7	3150.7
2.5°	2991.7	3023.2	3060.0	3098.1	3128.3
5°	2580.4	2660.6	2847.1	3054.7	3158.5
7.5°	2040.4	2158.7	2521.3	2931.2	3150.7
10°	1480.7	1631.8	2079.9	2717.1	3044.2
12.5°	1018.2	1160.1	1668.6	2446.4	2903.6
15°	676.6	794.9	1270.5	2146.9	2721.0
17.5°	476.9	557.1	923.6	1819.7	2485.8
20°	346.9	400.7	651.7	1499.1	2175.8
22.5°	252.3	293.0	463.8	1198.2	1861.7
25°	185.3	215.5	340.3	927.6	1547.7
27.5°	138.0	161.6	254.9	704.2	1233.7
30°	103.8	123.5	190.5	519.0	956.5
32.5°	80.1	93.3	145.8	370.5	723.9
35°	63.1	70.9	120.9	261.5	536.1
37.5°	52.6	57.8	99.9	182.6	392.8
40°	46.0	49.9	76.2	130.1	278.5
42.5°	40.7	43.4	55.2	93.3	181.3
45°	36.8	36.8	42.0	65.7	114.3
47.5°	34.2	30.2	32.8	46.0	67.0
50°	30.2	25.0	26.3	31.5	38.1
52.5°	23.6	21.0	21.0	21.0	22.3
55°	18.4	17.1	17.1	14.5	15.8
57.5°	14.5	14.5	13.1	11.8	13.1
60°	11.8	11.8	10.5	9.2	10.5
62.5°	9.2	9.2	7.9	7.9	9.2
65°	7.9	7.9	6.6	6.6	7.9
67.5°	6.6	6.6	6.6	5.3	6.6
70°	5.3	5.3	5.3	5.3	5.3
72.5°	3.9	3.9	5.3	3.9	3.9
75°	3.9	3.9	3.9	3.9	3.9
77.5°	2.6	2.6	2.6	2.6	2.6
80°	2.6	2.6	2.6	2.6	2.6
82.5°	1.3	1.3	1.3	1.3	1.3
85°	1.3	1.3	1.3	1.3	1.3
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)