

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: P1179776

Luminaire Tested: LDA2B208040R2060D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179776
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2010-034-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B208040R2060D010 2LBDC1MMS
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

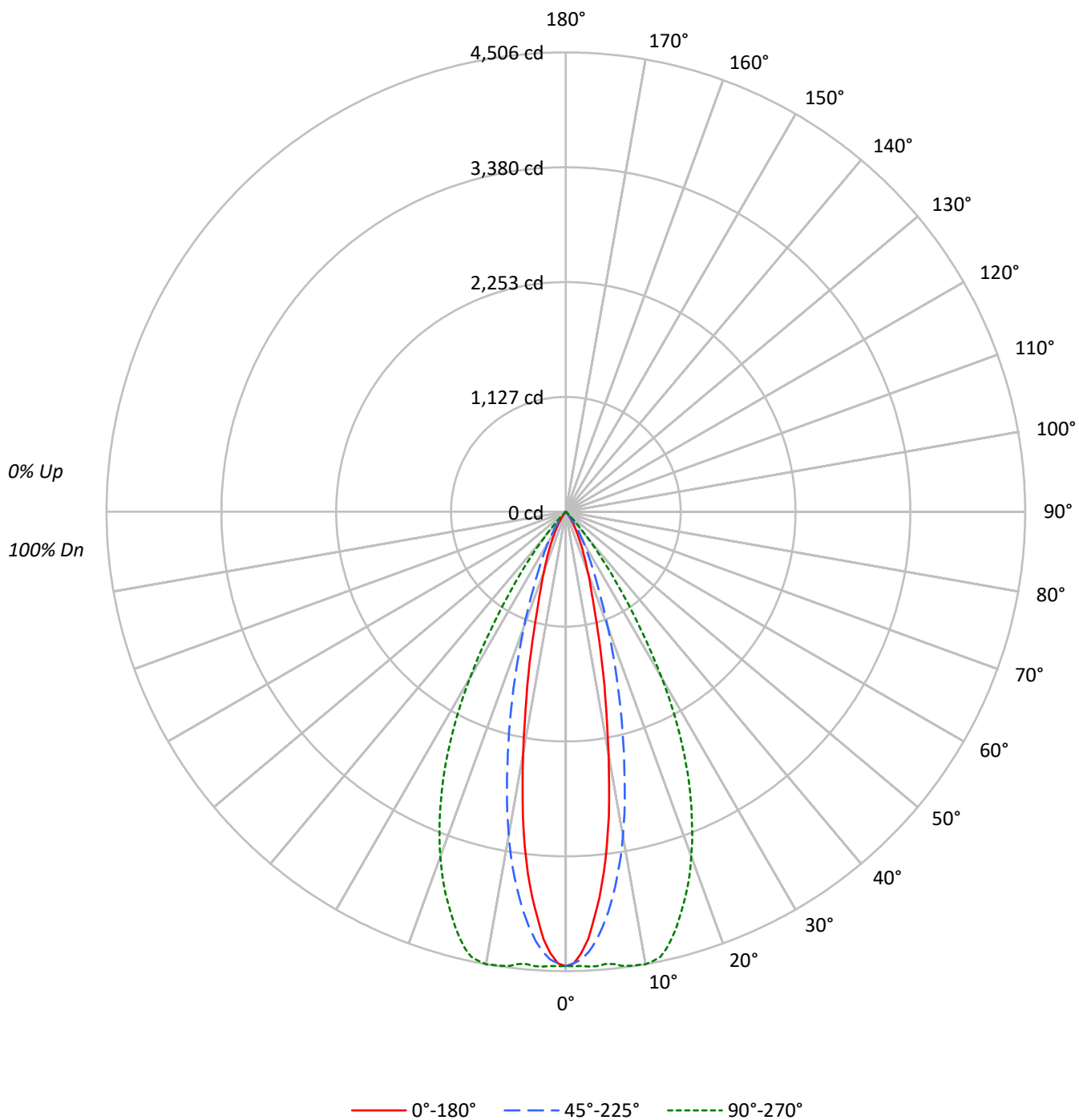
Lumens per Lamp: N/A
Luminaire Lumens: 1775.2 lumens
Efficiency: N/A
Efficacy: 86.2 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2198667	2198667	2198667
5°	1877528	2029470	2204886
10°	1208797	1617891	2257433
15°	620070	1079095	2148229
20°	331186	630607	1889511
25°	184594	345726	1536959
30°	98442	196883	1070666
35°	42943	94980	558136
40°	12494	27822	211438
45°	3000	7535	31676
50°	1689	1689	3300
55°	1892	1892	1892
60°	0	2171	2171
65°	0	2568	2568
70°	0	3173	3173
75°	0	4194	4194
80°	0	6251	6251
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 31676 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	367.8	20.7
10°-20°	669.6	37.7
20°-30°	507.6	28.6
30°-40°	203.1	11.4
40°-50°	20.6	1.2
50°-60°	2.1	0.1
60°-70°	1.9	0.1
70°-80°	2.0	0.1
80°-90°	0.6	0.0
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°	1545.0	87.0
0°-40°	1748.0	98.5
0°-60°	1770.8	99.8
0°-90°	1775.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1775.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4456	4456	4456	4456	4456	
5°	3791	3875	4098	4336	4452	317
15°	1214	1408	2113	3478	4206	347
25°	339	395	635	1815	2823	161
35°	71	89	158	480	927	49
45°	4	6	11	22	45	5
55°	2	2	2	2	2	1
65°	0	2	2	2	2	0
75°	0	2	2	2	2	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4456.5	4456.5	4456.5	4456.5	4456.5
1°	4432.7	4434.9	4430.5	4437.0	4458.6
2°	4333.3	4365.7	4393.8	4421.9	4458.6
3°	4195.1	4234.0	4322.5	4411.1	4467.3
4°	3992.0	4071.9	4223.2	4385.2	4467.3
5°	3791.1	3875.4	4097.9	4335.5	4452.1
6°	3562.1	3683.1	3953.1	4288.0	4460.8
7°	3302.9	3452.0	3793.3	4257.7	4486.7
8°	3022.1	3190.6	3618.3	4192.9	4497.5
9°	2711.0	2916.2	3432.5	4115.2	4501.8
10°	2412.9	2628.9	3229.5	4026.6	4506.1
11°	2114.8	2339.5	3009.1	3940.2	4488.9
12°	1862.1	2075.9	2778.0	3849.4	4462.9
13°	1628.8	1836.2	2549.0	3741.4	4396.0
14°	1412.8	1615.8	2328.7	3616.1	4307.4
15°	1214.0	1408.4	2112.7	3477.9	4205.9
16°	1034.7	1216.2	1905.3	3324.5	4093.5
17°	905.1	1049.8	1710.9	3162.5	3983.4
18°	803.6	911.6	1527.3	3002.7	3866.7
19°	712.9	799.3	1356.6	2836.3	3737.1
20°	630.8	708.5	1201.1	2663.5	3598.9
21°	561.6	628.6	1056.3	2492.9	3458.5
22°	501.2	559.5	926.7	2324.4	3305.1
23°	445.0	496.8	816.5	2153.7	3151.7
24°	391.0	447.2	719.3	1980.9	2991.9
25°	339.1	395.3	635.1	1814.6	2823.4
26°	298.1	349.9	563.8	1652.5	2648.4
27°	257.1	311.1	501.2	1497.0	2471.3
28°	224.7	274.3	445.0	1348.0	2279.0
29°	194.4	241.9	393.2	1201.1	2082.4
30°	172.8	209.5	345.6	1062.8	1879.4
32.5°	118.8	140.4	241.9	747.4	1371.7
35°	71.3	88.6	157.7	479.6	926.7
37.5°	38.9	47.5	90.7	287.3	583.2
40°	19.4	23.8	43.2	140.4	328.3
42.5°	8.6	10.8	19.4	54.0	140.4
45°	4.3	6.5	10.8	21.6	45.4
47.5°	2.2	4.3	4.3	8.6	13.0
50°	2.2	2.2	2.2	4.3	4.3
52.5°	2.2	2.2	2.2	4.3	4.3
55°	2.2	2.2	2.2	2.2	2.2
57.5°	0.0	2.2	2.2	2.2	2.2
60°	0.0	2.2	2.2	2.2	2.2
62.5°	0.0	2.2	2.2	2.2	2.2
65°	0.0	2.2	2.2	2.2	2.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	2.2	2.2	2.2	2.2
70°	0.0	2.2	2.2	2.2	2.2
72.5°	0.0	2.2	2.2	2.2	2.2
75°	0.0	2.2	2.2	2.2	2.2
77.5°	0.0	2.2	2.2	2.2	2.2
80°	0.0	0.0	2.2	2.2	2.2
82.5°	0.0	0.0	2.2	2.2	2.2
85°	0.0	0.0	0.0	0.0	0.0
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)