

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: P1178341

Luminaire Tested: LDA2B059024R2060D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178341
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: LDA2B059024R2060D010 2LBDC1MB
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2400K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

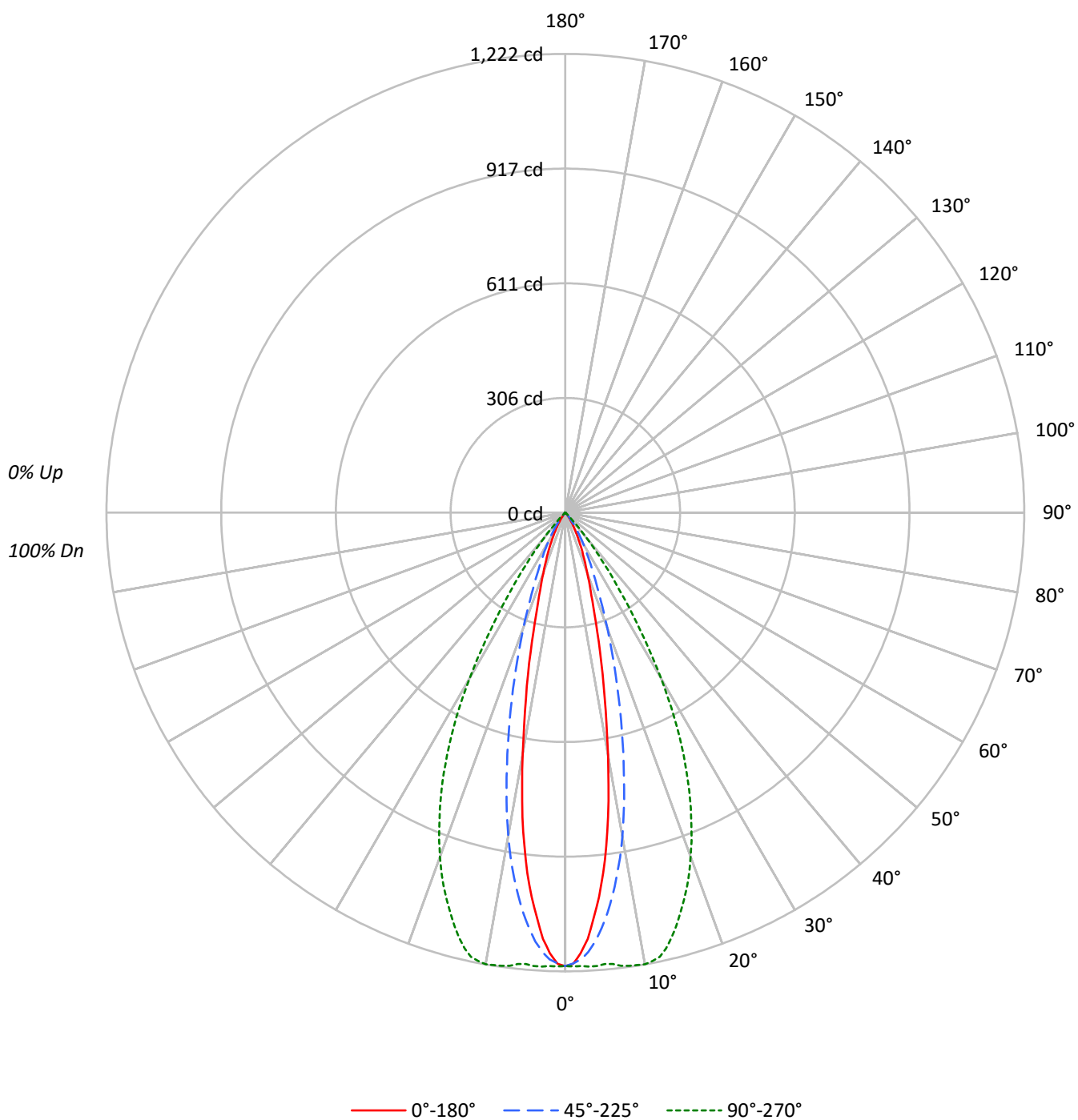
Lumens per Lamp: N/A
Luminaire Lumens: 481.3 lumens
Efficiency: N/A
Efficacy: 68.8 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7
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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	112	110	108	112	110	108	106		106	104	103		102	101	100		99	98	97
2	110	106	102	99	108	104	101	98		101	98	96		98	96	94		95	93	92
3	105	100	96	92	103	99	95	92		96	93	90		94	91	89		91	89	87
4	101	95	90	87	99	94	89	86		92	88	85		90	87	84		88	85	83
5	97	90	85	82	96	89	85	81		88	84	81		86	83	80		85	82	79
6	93	86	81	77	92	85	81	77		84	80	77		82	79	76		81	78	76
7	90	82	77	74	89	81	77	73		80	76	73		79	75	73		78	75	72
8	86	79	74	70	85	78	73	70		77	73	70		76	72	69		75	72	69
9	83	75	70	67	82	75	70	67		74	70	67		73	69	66		72	69	66
10	80	72	67	64	79	72	67	64		71	67	64		70	66	64		70	66	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	596030	596030	596030
5°	509014	550169	597713
10°	327686	438602	611988
15°	168093	292516	582375
20°	89779	170948	512214
25°	50027	93740	416657
30°	26661	53379	290255
35°	11624	25718	151294
40°	3413	7535	57319
45°	837	2023	8582
50°	461	461	921
55°	516	516	516
60°	0	592	592
65°	0	700	700
70°	0	865	865
75°	0	1144	1144
80°	0	1705	1705
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 8582 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.7	20.7
10°-20°	181.5	37.7
20°-30°	137.6	28.6
30°-40°	55.0	11.4
40°-50°	5.6	1.2
50°-60°	0.6	0.1
60°-70°	0.5	0.1
70°-80°	0.5	0.1
80°-90°	0.2	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°	418.8	87.0
0°-40°	473.9	98.5
0°-60°	480.1	99.7
0°-90°	481.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	481.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1208	1208	1208	1208	1208	
5°	1028	1051	1111	1175	1207	86
15°	329	382	573	943	1140	94
25°	92	107	172	492	765	44
35°	19	24	43	130	251	13
45°	1	2	3	6	12	1
55°	1	1	1	1	1	0
65°	0	1	1	1	1	0
75°	0	1	1	1	1	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1208.1	1208.1	1208.1	1208.1	1208.1
1°	1201.7	1202.3	1201.1	1202.8	1208.7
2°	1174.7	1183.5	1191.1	1198.8	1208.7
3°	1137.3	1147.8	1171.8	1195.8	1211.0
4°	1082.2	1103.9	1144.9	1188.8	1211.0
5°	1027.8	1050.6	1110.9	1175.3	1206.9
6°	965.7	998.5	1071.7	1162.4	1209.3
7°	895.4	935.8	1028.3	1154.2	1216.3
8°	819.3	865.0	980.9	1136.7	1219.2
9°	734.9	790.6	930.5	1115.6	1220.4
10°	654.1	712.7	875.5	1091.6	1221.6
11°	573.3	634.2	815.8	1068.2	1216.9
12°	504.8	562.8	753.1	1043.6	1209.9
13°	441.6	497.8	691.0	1014.3	1191.7
14°	383.0	438.0	631.3	980.3	1167.7
15°	329.1	381.8	572.7	942.8	1140.2
16°	280.5	329.7	516.5	901.3	1109.7
17°	245.4	284.6	463.8	857.3	1079.9
18°	217.8	247.1	414.0	814.0	1048.2
19°	193.3	216.7	367.8	768.9	1013.1
20°	171.0	192.1	325.6	722.1	975.6
21°	152.3	170.4	286.4	675.8	937.6
22°	135.9	151.7	251.2	630.1	896.0
23°	120.6	134.7	221.4	583.9	854.4
24°	106.0	121.2	195.0	537.0	811.1
25°	91.9	107.2	172.2	491.9	765.4
26°	80.8	94.9	152.8	448.0	718.0
27°	69.7	84.3	135.9	405.8	669.9
28°	60.9	74.4	120.6	365.4	617.8
29°	52.7	65.6	106.6	325.6	564.5
30°	46.8	56.8	93.7	288.1	509.5
32.5°	32.2	38.1	65.6	202.6	371.9
35°	19.3	24.0	42.7	130.0	251.2
37.5°	10.5	12.9	24.6	77.9	158.1
40°	5.3	6.4	11.7	38.1	89.0
42.5°	2.3	2.9	5.3	14.6	38.1
45°	1.2	1.8	2.9	5.9	12.3
47.5°	0.6	1.2	1.2	2.3	3.5
50°	0.6	0.6	0.6	1.2	1.2
52.5°	0.6	0.6	0.6	1.2	1.2
55°	0.6	0.6	0.6	0.6	0.6
57.5°	0.0	0.6	0.6	0.6	0.6
60°	0.0	0.6	0.6	0.6	0.6
62.5°	0.0	0.6	0.6	0.6	0.6
65°	0.0	0.6	0.6	0.6	0.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	0.6	0.6	0.6	0.6
70°	0.0	0.6	0.6	0.6	0.6
72.5°	0.0	0.6	0.6	0.6	0.6
75°	0.0	0.6	0.6	0.6	0.6
77.5°	0.0	0.6	0.6	0.6	0.6
80°	0.0	0.0	0.6	0.6	0.6
82.5°	0.0	0.0	0.6	0.6	0.6
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)