

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: P1178575

Luminaire Tested: LDA2B059727R2060D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178575
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: LDA2B059727R2060D010 2LBDC1MB
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

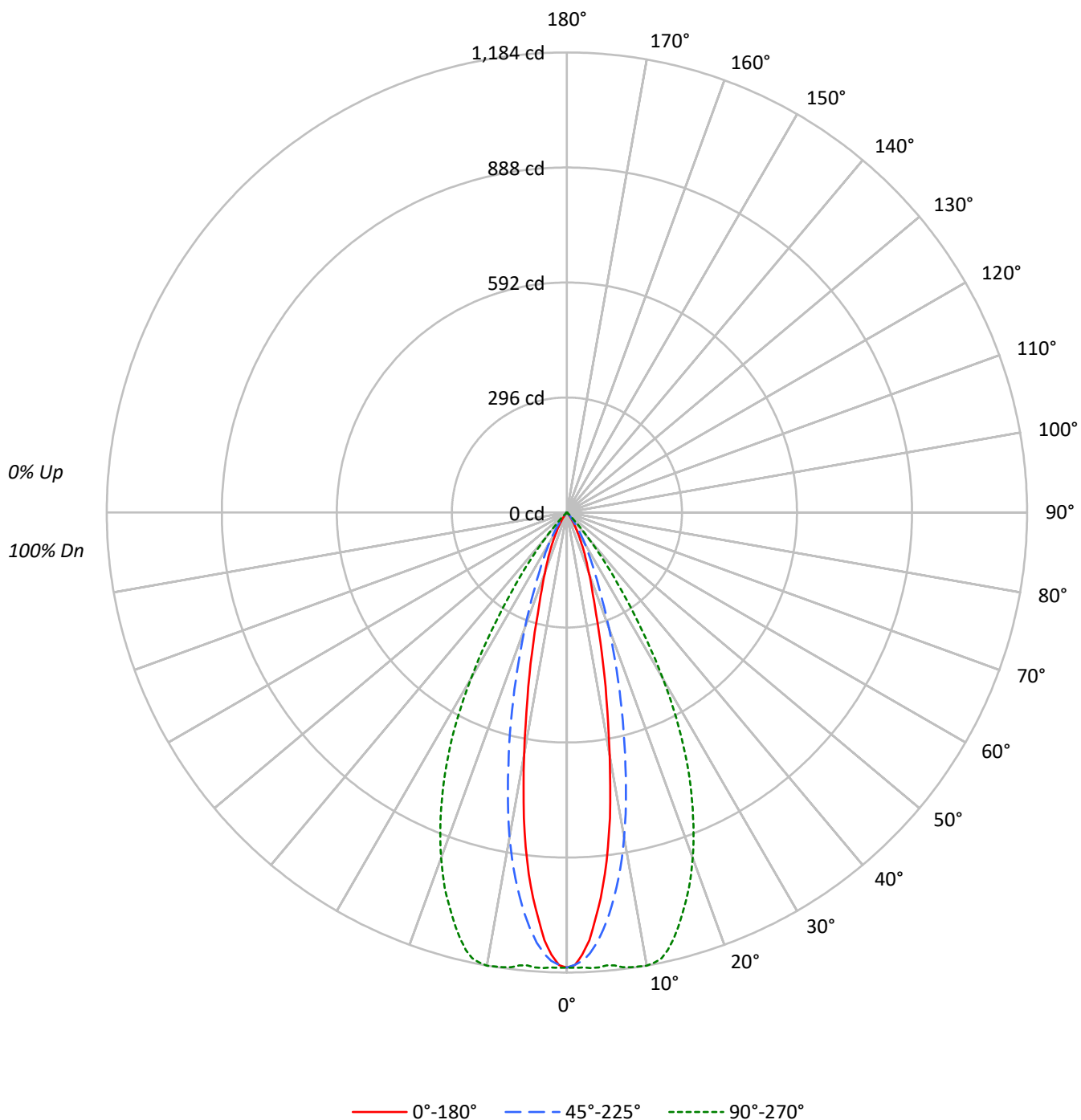
Lumens per Lamp: N/A
Luminaire Lumens: 466.6 lumens
Efficiency: N/A
Efficacy: 66.7 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	577875	577875	577875
5°	493463	533380	579488
10°	317717	425226	593302
15°	162985	283628	564600
20°	87049	165750	496621
25°	48503	90854	403973
30°	25864	51727	281367
35°	11263	24935	146716
40°	3285	7342	55580
45°	767	1954	8303
50°	461	461	844
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: 8303 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.7	20.7
10°-20°	176.0	37.7
20°-30°	133.4	28.6
30°-40°	53.4	11.4
40°-50°	5.4	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°	406.1	87.0
0°-40°	459.4	98.5
0°-60°	465.4	99.7
0°-90°	466.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	466.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1171	1171	1171	1171	1171	
5°	996	1018	1077	1140	1170	83
15°	319	370	555	914	1105	91
25°	89	104	167	477	742	42
35°	19	23	41	126	244	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°	1171.3	1171.3	1171.3	1171.3	1171.3
1°	1165.0	1165.6	1164.5	1166.2	1171.8
2°	1138.9	1147.4	1154.8	1162.2	1171.8
3°	1102.6	1112.8	1136.1	1159.4	1174.1
4°	1049.2	1070.2	1110.0	1152.5	1174.1
5°	996.4	1018.5	1077.0	1139.5	1170.1
6°	936.2	968.0	1039.0	1127.0	1172.4
7°	868.1	907.3	997.0	1119.0	1179.2
8°	794.3	838.6	951.0	1102.0	1182.1
9°	712.5	766.5	902.2	1081.6	1183.2
10°	634.2	691.0	848.8	1058.3	1184.3
11°	555.8	614.9	790.9	1035.6	1179.8
12°	489.4	545.6	730.1	1011.7	1173.0
13°	428.1	482.6	669.9	983.3	1155.4
14°	371.3	424.7	612.0	950.4	1132.1
15°	319.1	370.2	555.3	914.1	1105.4
16°	272.0	319.6	500.8	873.8	1075.9
17°	237.9	275.9	449.7	831.2	1046.9
18°	211.2	239.6	401.4	789.2	1016.3
19°	187.4	210.1	356.5	745.5	982.2
20°	165.8	186.2	315.7	700.0	945.9
21°	147.6	165.2	277.6	655.2	909.0
22°	131.7	147.0	243.6	610.9	868.7
23°	117.0	130.6	214.6	566.1	828.4
24°	102.8	117.5	189.1	520.6	786.3
25°	89.1	103.9	166.9	476.9	742.1
26°	78.3	92.0	148.2	434.3	696.1
27°	67.6	81.8	131.7	393.5	649.5
28°	59.0	72.1	117.0	354.3	599.0
29°	51.1	63.6	103.3	315.7	547.3
30°	45.4	55.1	90.8	279.3	493.9
32.5°	31.2	36.9	63.6	196.4	360.5
35°	18.7	23.3	41.4	126.0	243.6
37.5°	10.2	12.5	23.8	75.5	153.3
40°	5.1	6.2	11.4	36.9	86.3
42.5°	2.3	2.8	5.1	14.2	36.9
45°	1.1	1.7	2.8	5.7	11.9
47.5°	0.6	1.1	1.1	2.3	3.4
50°	0.6	0.6	0.6	1.1	1.1
52.5°	0.6	0.6	0.6	1.1	1.1
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)