

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: P1179232

Luminaire Tested: LDA2B158035R2060D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179232
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: LDA2B158035R2060D010 2LBDC1MB
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

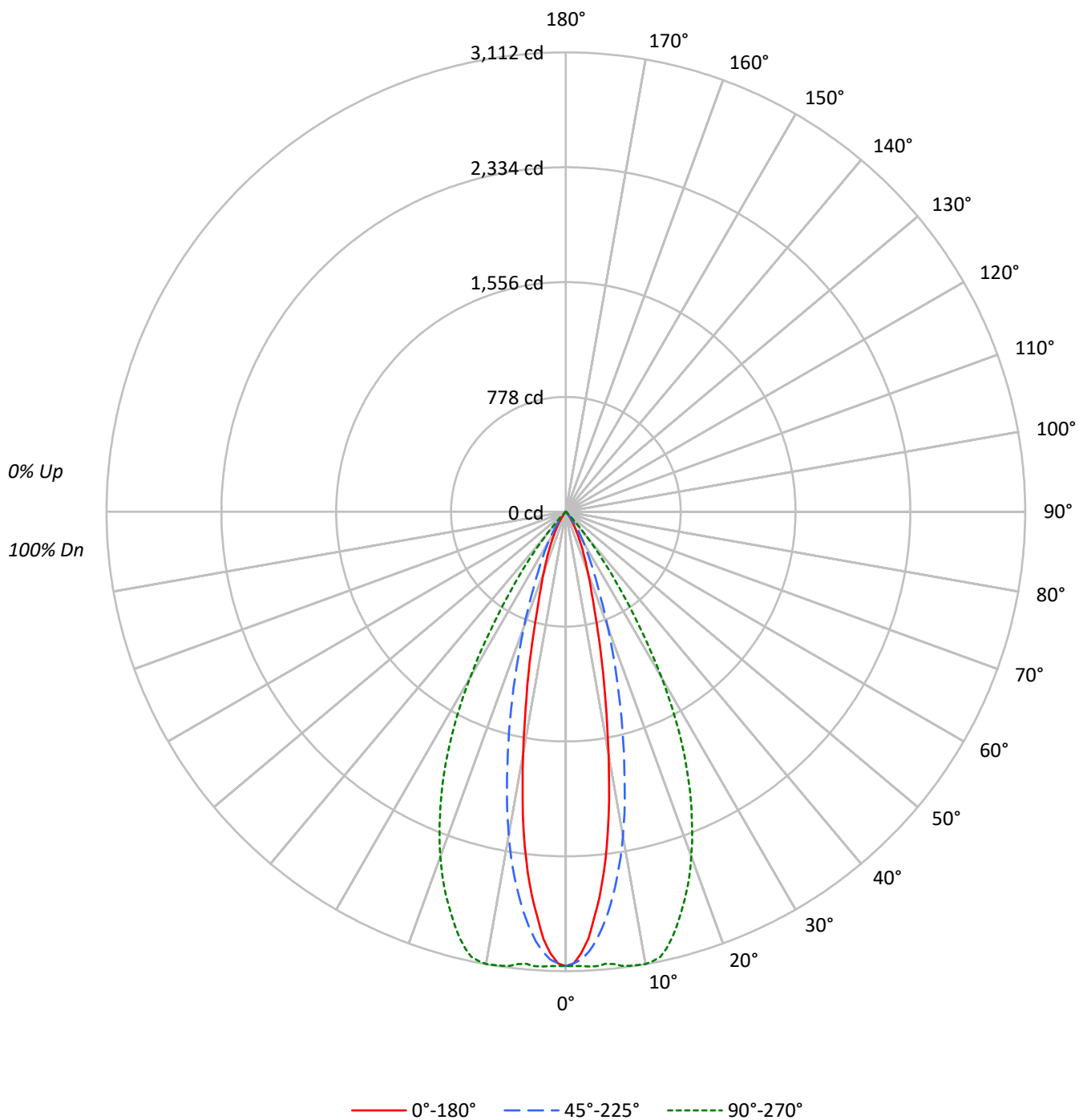
Lumens per Lamp: N/A
Luminaire Lumens: 1225.8 lumens
Efficiency: N/A
Efficacy: 86.9 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 14.1
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°	1518272	1518272	1518272
5°	1296555	1401448	1522585
10°	834771	1117219	1558877
15°	428175	745156	1483468
20°	228701	435455	1304791
25°	127490	238758	1061347
30°	67963	135984	739337
35°	29632	65589	385401
40°	8630	19192	146003
45°	2093	5233	21839
50°	1151	1151	2303
55°	1290	1290	1290
60°	0	1480	1480
65°	0	1751	1751
70°	0	2164	2164
75°	0	2859	2859
80°	0	4262	4262
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 21839 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.0	20.7
10°-20°	462.4	37.7
20°-30°	350.5	28.6
30°-40°	140.2	11.4
40°-50°	14.2	1.2
50°-60°	1.5	0.1
60°-70°	1.3	0.1
70°-80°	1.3	0.1
80°-90°	0.4	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°	1066.9	87.0
0°-40°	1207.1	98.5
0°-60°	1222.8	99.8
0°-90°	1225.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1225.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3077	3077	3077	3077	3077	
5°	2618	2676	2830	2994	3074	219
15°	838	973	1459	2402	2904	240
25°	234	273	439	1253	1950	111
35°	49	61	109	331	640	34
45°	3	4	8	15	31	3
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°	3077.4	3077.4	3077.4	3077.4	3077.4
1°	3061.0	3062.5	3059.5	3064.0	3078.9
2°	2992.4	3014.8	3034.2	3053.5	3078.9
3°	2896.9	2923.8	2984.9	3046.1	3084.9
4°	2756.7	2811.9	2916.3	3028.2	3084.9
5°	2618.0	2676.1	2829.8	2993.9	3074.4
6°	2459.8	2543.4	2729.8	2961.1	3080.4
7°	2280.8	2383.8	2619.5	2940.2	3098.3
8°	2086.9	2203.3	2498.6	2895.4	3105.8
9°	1872.1	2013.8	2370.3	2841.7	3108.7
10°	1666.3	1815.4	2230.1	2780.6	3111.7
11°	1460.4	1615.5	2078.0	2720.9	3099.8
12°	1285.9	1433.5	1918.4	2658.2	3081.9
13°	1124.8	1268.0	1760.2	2583.7	3035.6
14°	975.6	1115.8	1608.1	2497.1	2974.5
15°	838.3	972.6	1458.9	2401.7	2904.4
16°	714.5	839.8	1315.7	2295.8	2826.8
17°	625.0	725.0	1181.4	2183.9	2750.7
18°	554.9	629.5	1054.6	2073.5	2670.2
19°	492.3	551.9	936.8	1958.6	2580.7
20°	435.6	489.3	829.4	1839.3	2485.2
21°	387.8	434.1	729.5	1721.4	2388.2
22°	346.1	386.4	639.9	1605.1	2282.3
23°	307.3	343.1	563.9	1487.2	2176.4
24°	270.0	308.8	496.7	1367.9	2066.0
25°	234.2	273.0	438.6	1253.0	1949.7
26°	205.9	241.7	389.3	1141.2	1828.8
27°	177.5	214.8	346.1	1033.8	1706.5
28°	155.1	189.4	307.3	930.8	1573.8
29°	134.3	167.1	271.5	829.4	1438.0
30°	119.3	144.7	238.7	733.9	1297.8
32.5°	82.0	97.0	167.1	516.1	947.2
35°	49.2	61.2	108.9	331.2	639.9
37.5°	26.9	32.8	62.7	198.4	402.8
40°	13.4	16.4	29.8	97.0	226.7
42.5°	6.0	7.5	13.4	37.3	97.0
45°	3.0	4.5	7.5	14.9	31.3
47.5°	1.5	3.0	3.0	6.0	9.0
50°	1.5	1.5	1.5	3.0	3.0
52.5°	1.5	1.5	1.5	3.0	3.0
55°	1.5	1.5	1.5	1.5	1.5
57.5°	0.0	1.5	1.5	1.5	1.5
60°	0.0	1.5	1.5	1.5	1.5
62.5°	0.0	1.5	1.5	1.5	1.5
65°	0.0	1.5	1.5	1.5	1.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.5	1.5	1.5	1.5
70°	0.0	1.5	1.5	1.5	1.5
72.5°	0.0	1.5	1.5	1.5	1.5
75°	0.0	1.5	1.5	1.5	1.5
77.5°	0.0	1.5	1.5	1.5	1.5
80°	0.0	0.0	1.5	1.5	1.5
82.5°	0.0	0.0	1.5	1.5	1.5
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)