

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: P1178604

Luminaire Tested: LDA2B059730R2060D010 2LBD1B

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178604
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: LDA2B059730R2060D010 2LBD1B
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

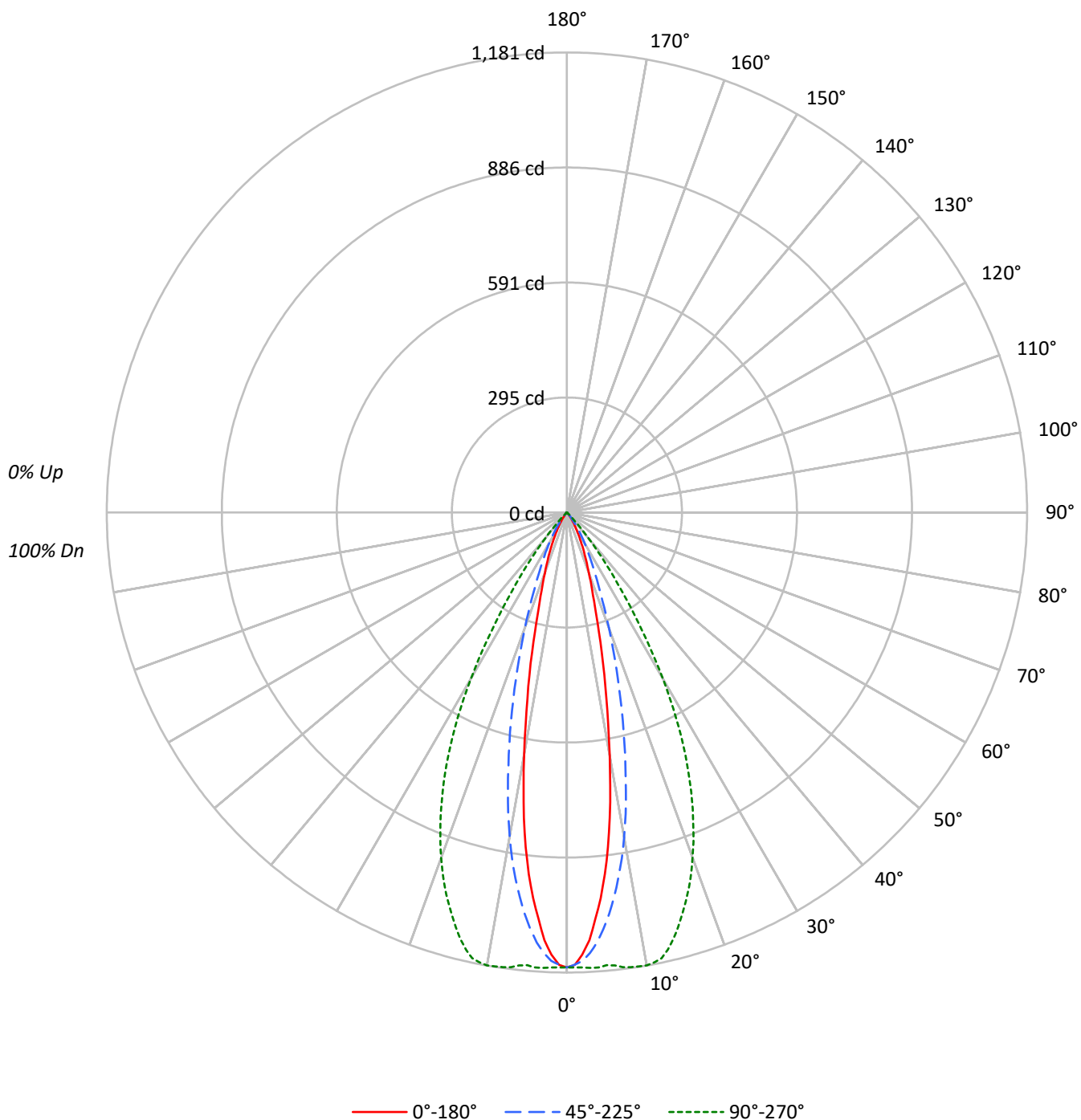
Lumens per Lamp: N/A
Luminaire Lumens: 465.3 lumens
Efficiency: N/A
Efficacy: 66.5 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	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°	576197	576197	576197
5°	492027	531845	577853
10°	316765	423973	591599
15°	162526	282811	562966
20°	86787	165278	495151
25°	48394	90582	402775
30°	25807	51613	280570
35°	11263	24874	146295
40°	3285	7278	55387
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°	96.4	20.7
10°-20°	175.5	37.7
20°-30°	133.0	28.6
30°-40°	53.2	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°	404.9	87.0
0°-40°	458.1	98.5
0°-60°	464.1	99.7
0°-90°	465.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	465.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1168	1168	1168	1168	1168	
5°	994	1016	1074	1136	1167	83
15°	318	369	554	911	1102	91
25°	89	104	166	476	740	42
35°	19	23	41	126	243	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°	1167.9	1167.9	1167.9	1167.9	1167.9
1°	1161.7	1162.2	1161.1	1162.8	1168.5
2°	1135.6	1144.1	1151.5	1158.8	1168.5
3°	1099.4	1109.6	1132.8	1156.0	1170.7
4°	1046.2	1067.1	1106.7	1149.2	1170.7
5°	993.5	1015.6	1073.9	1136.2	1166.8
6°	933.5	965.2	1036.0	1123.7	1169.0
7°	865.6	904.6	994.1	1115.8	1175.8
8°	792.0	836.1	948.2	1098.8	1178.6
9°	710.5	764.3	899.6	1078.4	1179.8
10°	632.3	689.0	846.3	1055.2	1180.9
11°	554.2	613.1	788.6	1032.6	1176.4
12°	488.0	544.0	728.0	1008.8	1169.6
13°	426.8	481.2	668.0	980.5	1152.0
14°	370.2	423.5	610.3	947.7	1128.8
15°	318.2	369.1	553.7	911.4	1102.2
16°	271.2	318.7	499.3	871.2	1072.8
17°	237.2	275.1	448.4	828.8	1043.9
18°	210.6	238.9	400.2	786.9	1013.3
19°	186.8	209.5	355.5	743.3	979.4
20°	165.3	185.7	314.8	698.0	943.1
21°	147.2	164.7	276.8	653.3	906.3
22°	131.3	146.6	242.9	609.1	866.2
23°	116.6	130.2	214.0	564.4	826.0
24°	102.5	117.2	188.5	519.1	784.1
25°	88.9	103.6	166.4	475.5	739.9
26°	78.1	91.7	147.8	433.1	694.1
27°	67.4	81.5	131.3	392.3	647.6
28°	58.9	71.9	116.6	353.3	597.2
29°	51.0	63.4	103.0	314.8	545.7
30°	45.3	54.9	90.6	278.5	492.5
32.5°	31.1	36.8	63.4	195.9	359.5
35°	18.7	23.2	41.3	125.7	242.9
37.5°	10.2	12.5	23.8	75.3	152.9
40°	5.1	6.2	11.3	36.8	86.0
42.5°	2.3	2.8	5.1	14.2	36.8
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)