

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: P1178217

Luminaire Tested: LDA2B058035R2060D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178217
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: LDA2B058035R2060D010 2LBD1LI
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

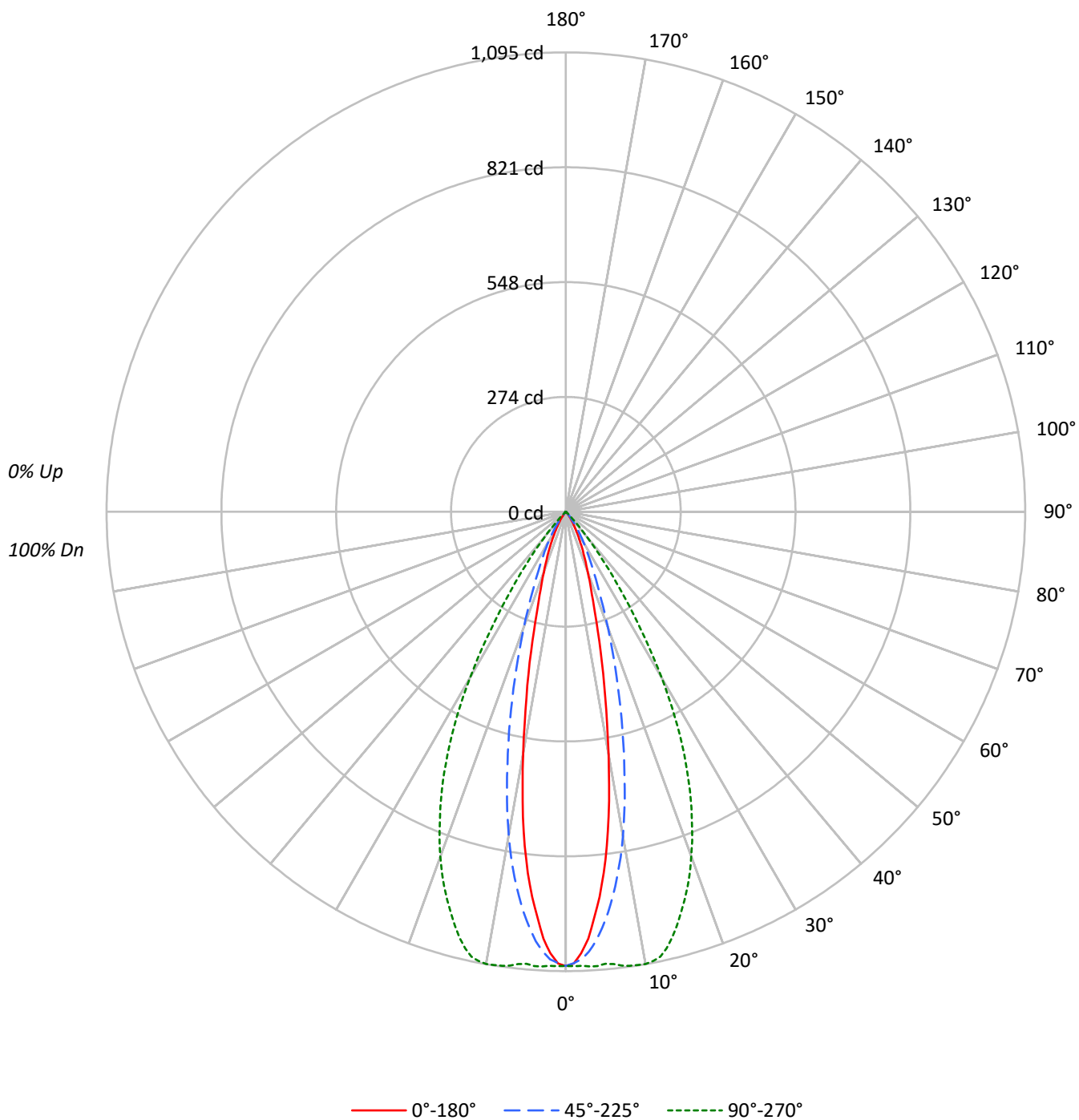
Lumens per Lamp: N/A
Luminaire Lumens: 431.2 lumens
Efficiency: N/A
Efficacy: 61.6 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	83	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	67	64	70	66	64	64	64	62

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	534163	534163	534163
5°	456171	493067	535708
10°	293670	393063	548465
15°	150676	262176	521900
20°	80434	153202	459082
25°	44856	83995	373380
30°	23927	47854	260118
35°	10420	23067	135634
40°	3027	6762	51394
45°	698	1814	7675
50°	384	384	768
55°	430	430	430
60°	0	493	493
65°	0	584	584
70°	0	721	721
75°	0	953	953
80°	0	1421	1421
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7675 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.4	20.7
10°-20°	162.7	37.7
20°-30°	123.3	28.6
30°-40°	49.3	11.4
40°-50°	5.0	1.2
50°-60°	0.5	0.1
60°-70°	0.4	0.1
70°-80°	0.4	0.1
80°-90°	0.1	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°	375.4	87.1
0°-40°	424.7	98.5
0°-60°	430.2	99.8
0°-90°	431.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	431.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1083	1083	1083	1083	1083	
5°	921	942	996	1053	1082	77
15°	295	342	513	845	1022	84
25°	82	96	154	441	686	39
35°	17	22	38	116	225	12
45°	1	2	3	5	11	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	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°	1082.7	1082.7	1082.7	1082.7	1082.7
1°	1076.9	1077.5	1076.4	1078.0	1083.2
2°	1052.8	1060.7	1067.5	1074.3	1083.2
3°	1019.2	1028.7	1050.2	1071.7	1085.3
4°	969.9	989.3	1026.0	1065.4	1085.3
5°	921.1	941.5	995.6	1053.3	1081.7
6°	865.4	894.8	960.4	1041.8	1083.8
7°	802.5	838.7	921.6	1034.4	1090.1
8°	734.2	775.2	879.1	1018.7	1092.7
9°	658.7	708.5	833.9	999.8	1093.7
10°	586.2	638.7	784.6	978.3	1094.8
11°	513.8	568.4	731.1	957.3	1090.6
12°	452.4	504.4	674.9	935.2	1084.3
13°	395.7	446.1	619.3	909.0	1068.0
14°	343.2	392.6	565.8	878.6	1046.5
15°	295.0	342.2	513.3	845.0	1021.8
16°	251.4	295.5	462.9	807.7	994.5
17°	219.9	255.1	415.7	768.3	967.8
18°	195.2	221.5	371.1	729.5	939.4
19°	173.2	194.2	329.6	689.1	907.9
20°	153.2	172.1	291.8	647.1	874.4
21°	136.5	152.7	256.6	605.6	840.2
22°	121.8	135.9	225.2	564.7	803.0
23°	108.1	120.7	198.4	523.3	765.7
24°	95.0	108.6	174.8	481.3	726.9
25°	82.4	96.0	154.3	440.9	685.9
26°	72.4	85.0	137.0	401.5	643.4
27°	62.5	75.6	121.8	363.7	600.4
28°	54.6	66.7	108.1	327.5	553.7
29°	47.2	58.8	95.5	291.8	505.9
30°	42.0	50.9	84.0	258.2	456.6
32.5°	28.9	34.1	58.8	181.6	333.3
35°	17.3	21.5	38.3	116.5	225.2
37.5°	9.4	11.5	22.0	69.8	141.7
40°	4.7	5.8	10.5	34.1	79.8
42.5°	2.1	2.6	4.7	13.1	34.1
45°	1.0	1.6	2.6	5.2	11.0
47.5°	0.5	1.0	1.0	2.1	3.1
50°	0.5	0.5	0.5	1.0	1.0
52.5°	0.5	0.5	0.5	1.0	1.0
55°	0.5	0.5	0.5	0.5	0.5
57.5°	0.0	0.5	0.5	0.5	0.5
60°	0.0	0.5	0.5	0.5	0.5
62.5°	0.0	0.5	0.5	0.5	0.5
65°	0.0	0.5	0.5	0.5	0.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	0.5	0.5	0.5	0.5
70°	0.0	0.5	0.5	0.5	0.5
72.5°	0.0	0.5	0.5	0.5	0.5
75°	0.0	0.5	0.5	0.5	0.5
77.5°	0.0	0.5	0.5	0.5	0.5
80°	0.0	0.0	0.5	0.5	0.5
82.5°	0.0	0.0	0.5	0.5	0.5
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)