

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: P1178205

Luminaire Tested: LDA2B058035R2050D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178205
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2206-683-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B058035R2050D010 2LBD1LI
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

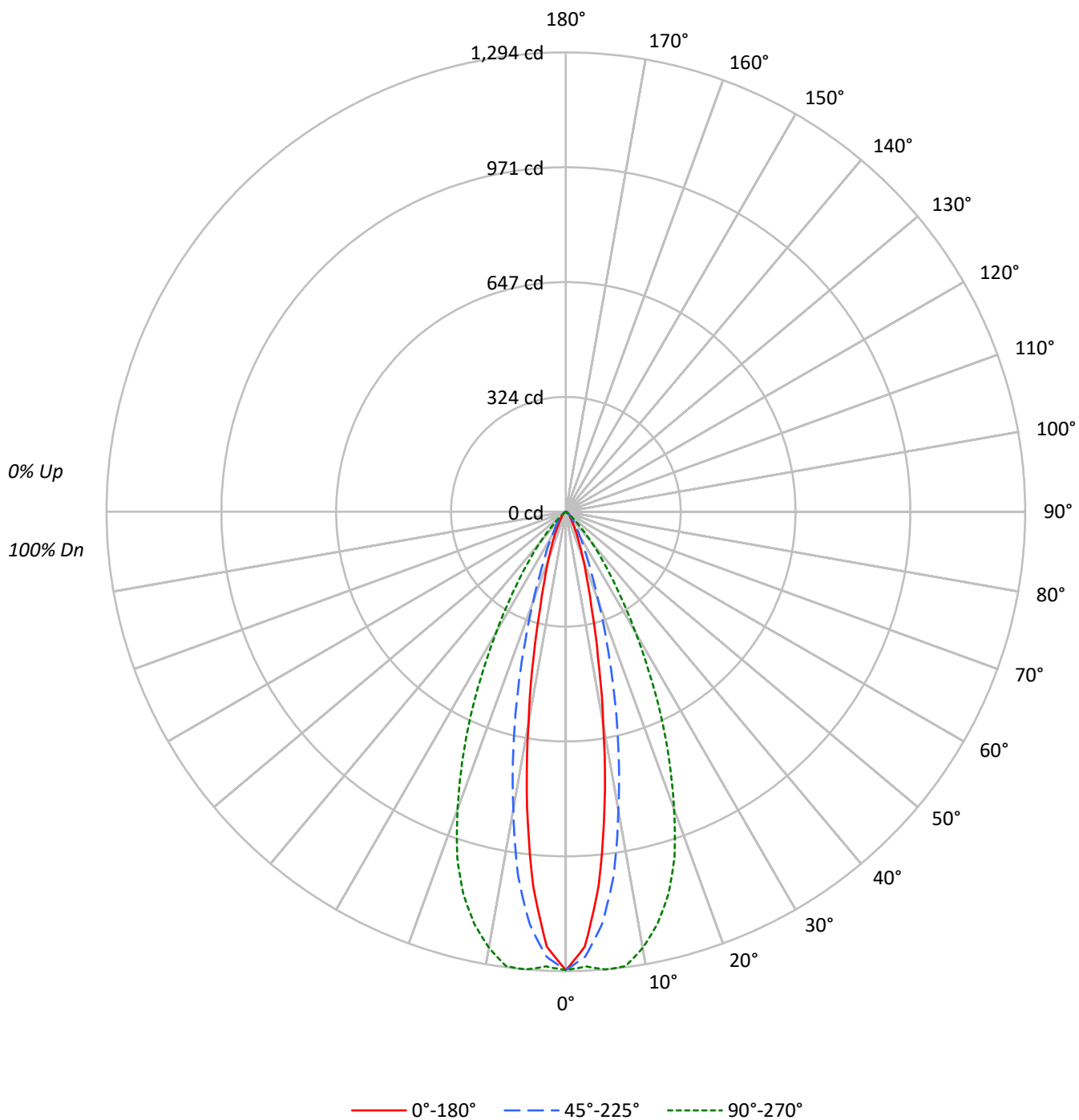
Lumens per Lamp: N/A
Luminaire Lumens: 464.1 lumens
Efficiency: N/A
Efficacy: 66.3 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	109	107	112	109	107	106	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		90
4	100	94	89	85	99	93	88	85	91	87	84		89	85	83		87
5	96	89	84	80	95	88	83	80	86	82	79		85	81	78		83
6	92	85	80	76	91	84	79	76	83	78	75		81	77	75		80
7	89	81	76	72	88	80	75	72	79	75	71		78	74	71		77
8	85	77	72	69	84	77	72	69	76	71	68		75	71	68		74
9	82	74	69	66	81	74	69	66	73	68	65		72	68	65		71
10	79	71	66	63	79	71	66	63	70	66	63		69	65	62		69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	636979	636979	636979
5°	523723	577804	641047
10°	303990	426979	624963
15°	141635	265905	569555
20°	74606	140234	468112
25°	41317	75884	345290
30°	24212	44492	223317
35°	15539	29813	132322
40°	12108	20094	73485
45°	10536	12001	32653
50°	9517	8289	11974
55°	6451	6021	5591
60°	4736	4243	4243
65°	3736	3152	3736
70°	3173	3173	3173
75°	3050	3050	3050
80°	3125	3125	3125
85°	2830	2830	2830

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 32653 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.8	22.2
10°-20°	168.3	36.3
20°-30°	112.3	24.2
30°-40°	50.6	10.9
40°-50°	18.5	4.0
50°-60°	6.5	1.4
60°-70°	3.0	0.7
70°-80°	1.6	0.3
80°-90°	0.4	0.1
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°	383.4	82.6
0°-40°	434.0	93.5
0°-60°	459.0	98.9
0°-90°	464.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	464.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1291	1291	1291	1291	1291	
5°	1058	1090	1167	1252	1294	86
15°	277	326	521	880	1115	83
25°	76	88	139	380	634	37
35°	26	29	50	107	220	17
45°	15	15	17	27	47	12
55°	8	7	7	6	6	7
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
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°	1291.1	1291.1	1291.1	1291.1	1291.1
2.5°	1226.0	1238.9	1254.0	1269.6	1282.0
5°	1057.5	1090.3	1166.7	1251.8	1294.4
7.5°	836.2	884.6	1033.2	1201.2	1291.1
10°	606.8	668.7	852.3	1113.4	1247.5
12.5°	417.3	475.4	683.8	1002.5	1189.9
15°	277.3	325.7	520.6	879.8	1115.1
17.5°	195.4	228.3	378.5	745.7	1018.7
20°	142.1	164.2	267.1	614.3	891.6
22.5°	103.4	120.1	190.1	491.0	762.9
25°	75.9	88.3	139.4	380.1	634.3
27.5°	56.5	66.2	104.5	288.6	505.6
30°	42.5	50.6	78.1	212.7	392.0
32.5°	32.8	38.2	59.8	151.8	296.7
35°	25.8	29.1	49.5	107.1	219.7
37.5°	21.5	23.7	40.9	74.8	161.0
40°	18.8	20.5	31.2	53.3	114.1
42.5°	16.7	17.8	22.6	38.2	74.3
45°	15.1	15.1	17.2	26.9	46.8
47.5°	14.0	12.4	13.5	18.8	27.5
50°	12.4	10.2	10.8	12.9	15.6
52.5°	9.7	8.6	8.6	8.6	9.2
55°	7.5	7.0	7.0	5.9	6.5
57.5°	5.9	5.9	5.4	4.8	5.4
60°	4.8	4.8	4.3	3.8	4.3
62.5°	3.8	3.8	3.2	3.2	3.8
65°	3.2	3.2	2.7	2.7	3.2
67.5°	2.7	2.7	2.7	2.2	2.7
70°	2.2	2.2	2.2	2.2	2.2
72.5°	1.6	1.6	2.2	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6
77.5°	1.1	1.1	1.1	1.1	1.1
80°	1.1	1.1	1.1	1.1	1.1
82.5°	0.5	0.5	0.5	0.5	0.5
85°	0.5	0.5	0.5	0.5	0.5
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)