

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: P1179480

Luminaire Tested: LDA2B159040R2040D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179480
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2206-683-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B159040R2040D010 2LBDC1MMS
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

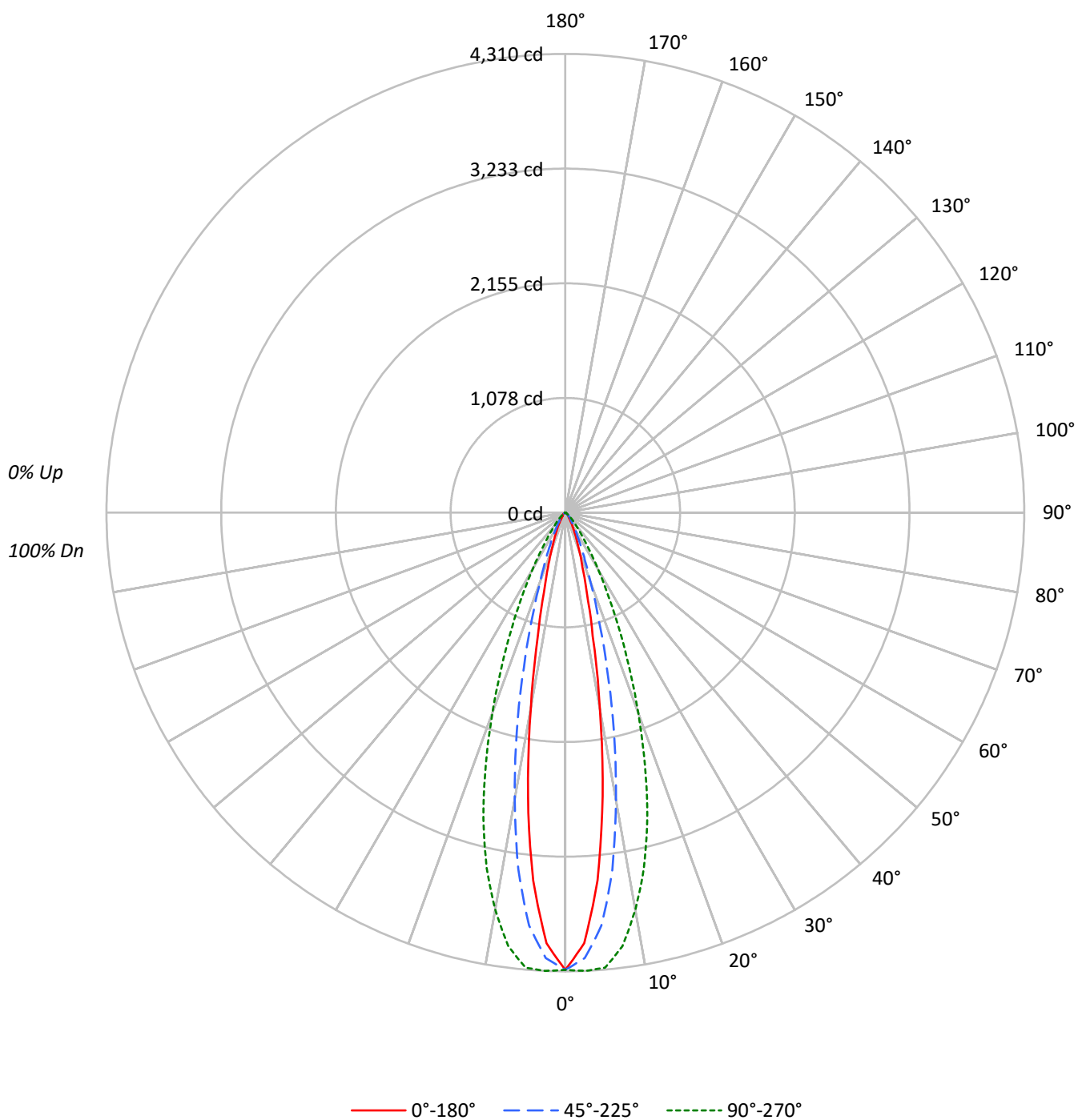
Lumens per Lamp: N/A
Luminaire Lumens: 1210.6 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	100	99	99
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	94	93
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91	90	89
3	106	100	96	93	104	99	95	92	96	93	91	94	92	89	92	90	88	87	86	85
4	102	95	91	88	100	94	90	87	92	89	86	90	87	85	89	86	84	83	82	81
5	98	91	86	83	97	90	86	83	89	85	82	87	84	81	86	83	81	79	78	77
6	95	87	83	79	93	87	82	79	85	81	78	84	80	78	83	80	77	76	75	74
7	91	84	79	76	90	83	79	75	82	78	75	81	77	75	80	77	74	73	72	71
8	88	81	76	73	87	80	76	72	79	75	72	78	75	72	77	74	72	70	69	68
9	85	78	73	70	84	77	73	70	76	72	70	76	72	69	75	72	69	68	67	66
10	83	75	70	67	82	75	70	67	74	70	67	73	70	67	73	69	67	66	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2119285	2119285	2119285
5°	1717811	1929381	2124805
10°	933963	1369860	1897384
15°	395026	768702	1518762
20°	201662	361479	1050154
25°	111649	184921	640064
30°	62494	102714	349046
35°	36197	62156	177854
40°	26921	47144	98473
45°	23722	31886	58329
50°	25098	21030	31085
55°	17977	14623	16859
60°	11643	10361	10361
65°	9106	9106	9106
70°	7501	7501	7501
75°	7434	7434	7434
80°	7387	7387	7387
85°	7359	7359	7359

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 58329 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.7	27.6
10°-20°	473.3	39.1
20°-30°	243.8	20.1
30°-40°	89.7	7.4
40°-50°	39.4	3.3
50°-60°	17.3	1.4
60°-70°	7.5	0.6
70°-80°	3.8	0.3
80°-90°	1.1	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°	1051.8	86.9
0°-40°	1141.6	94.3
0°-60°	1198.3	99.0
0°-90°	1210.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1210.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4296	4296	4296	4296	4296	
5°	3469	3586	3896	4172	4290	279
15°	773	899	1505	2511	2974	236
25°	205	230	340	780	1176	98
35°	60	69	103	180	295	41
45°	34	39	46	55	84	27
55°	21	18	17	18	20	19
65°	8	8	8	6	8	8
75°	4	4	4	4	4	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4295.6	4295.6	4295.6	4295.6	4295.6
2.5°	4050.0	4098.3	4188.5	4274.7	4310.0
5°	3468.6	3586.2	3895.8	4171.5	4290.4
7.5°	2686.1	2879.4	3381.1	3897.2	4108.8
10°	1864.3	2060.3	2734.4	3476.5	3787.4
12.5°	1188.9	1379.6	2107.3	3010.1	3413.8
15°	773.4	898.8	1505.0	2511.0	2973.5
17.5°	537.0	625.8	1024.3	1981.9	2486.2
20°	384.1	446.8	688.5	1511.6	2000.2
22.5°	278.3	321.4	478.2	1104.0	1554.7
25°	205.1	229.9	339.7	780.0	1175.8
27.5°	151.5	167.2	245.6	538.3	859.6
30°	109.7	122.8	180.3	369.7	612.7
32.5°	79.7	91.5	134.6	256.1	427.2
35°	60.1	69.2	103.2	180.3	295.3
37.5°	49.6	54.9	84.9	130.6	209.0
40°	41.8	47.0	73.2	96.7	152.9
42.5°	36.6	43.1	60.1	71.9	115.0
45°	34.0	39.2	45.7	54.9	83.6
47.5°	34.0	32.7	35.3	41.8	58.8
50°	32.7	27.4	27.4	32.7	40.5
52.5°	27.4	22.2	22.2	23.5	27.4
55°	20.9	18.3	17.0	18.3	19.6
57.5°	15.7	15.7	14.4	13.1	14.4
60°	11.8	11.8	10.5	10.5	10.5
62.5°	9.1	9.1	9.1	7.8	9.1
65°	7.8	7.8	7.8	6.5	7.8
67.5°	6.5	6.5	5.2	6.5	6.5
70°	5.2	5.2	5.2	5.2	5.2
72.5°	3.9	3.9	3.9	3.9	3.9
75°	3.9	3.9	3.9	3.9	3.9
77.5°	2.6	2.6	2.6	2.6	2.6
80°	2.6	2.6	2.6	2.6	2.6
82.5°	1.3	1.3	1.3	1.3	1.3
85°	1.3	1.3	1.3	1.3	1.3
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)