

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: P1179131

Luminaire Tested: LDA2B158027R2040D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179131
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: LDA2B158027R2040D010 2LBDC1MB
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

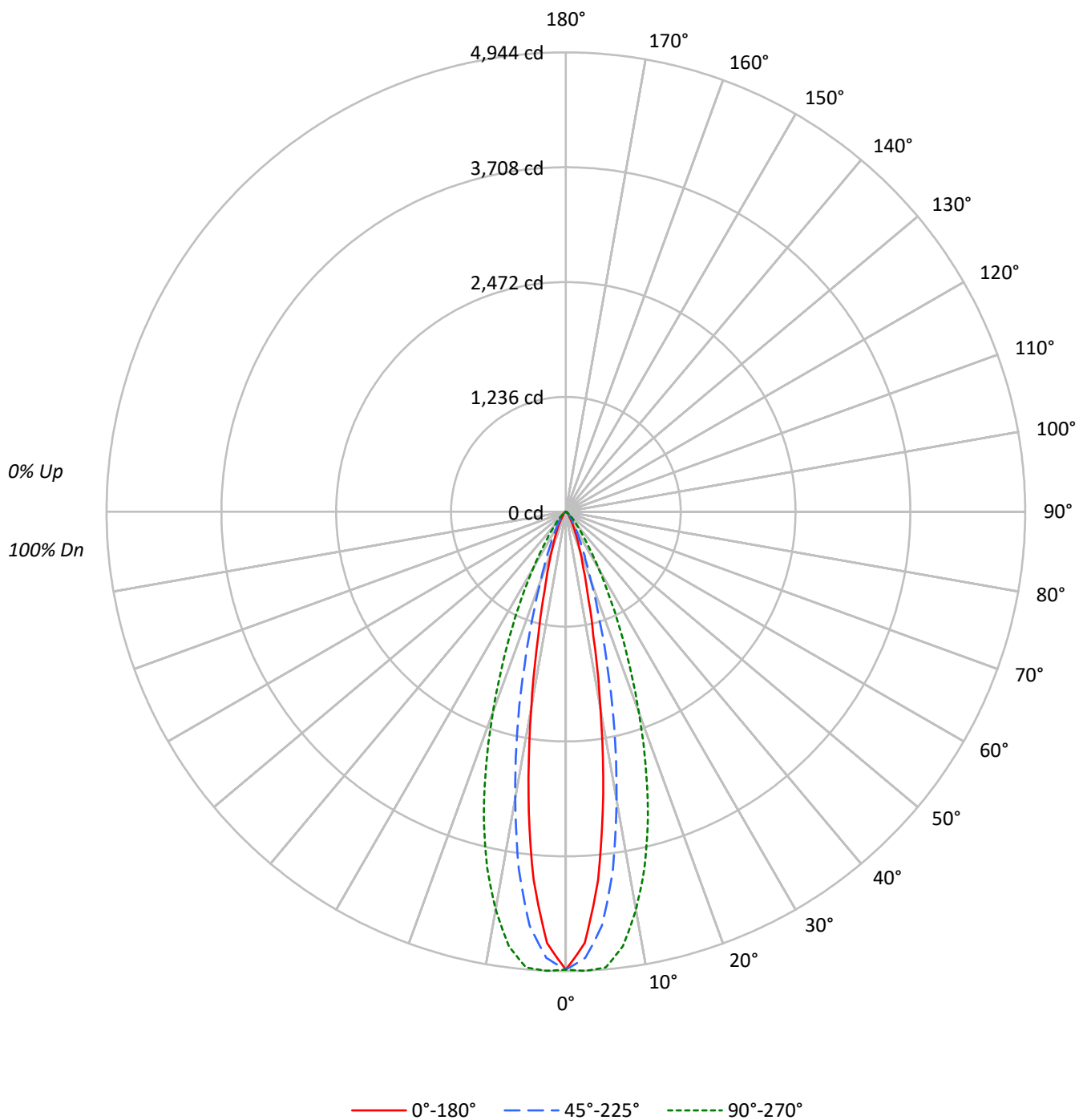
Lumens per Lamp: N/A
Luminaire Lumens: 1388.9 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95	94	92	91
3	106	100	96	93	104	99	95	92	96	93	91		94	92	89		92	90	88	87
4	102	95	91	88	100	94	90	87	92	89	86		90	87	85		89	86	84	83
5	98	91	86	83	97	90	86	83	89	85	82		87	84	81		86	83	81	79
6	94	87	83	79	93	87	82	79	85	81	78		84	80	78		83	80	77	76
7	91	84	79	76	90	83	79	75	82	78	75		81	77	75		80	77	74	73
8	88	81	76	73	87	80	76	72	79	75	72		78	75	72		77	74	72	70
9	85	78	73	70	84	77	73	70	76	72	70		76	72	69		75	72	69	68
10	83	75	70	67	82	75	70	67	74	70	67		73	70	67		73	69	67	66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2431287	2431287	2431287
5°	1970684	2213405	2437603
10°	1071430	1571501	2176676
15°	453202	881888	1742324
20°	231326	414717	1204722
25°	128089	212139	734293
30°	71723	117811	400432
35°	41497	71310	203993
40°	30914	54035	112964
45°	27211	36630	66911
50°	28783	24177	35690
55°	20644	16773	19353
60°	13321	11841	11841
65°	10507	10507	10507
70°	8655	8655	8655
75°	8578	8578	8578
80°	8523	8523	8523
85°	8491	8491	8491

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 66911 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	384.0	27.6
10°-20°	543.0	39.1
20°-30°	279.7	20.1
30°-40°	102.9	7.4
40°-50°	45.2	3.3
50°-60°	19.8	1.4
60°-70°	8.7	0.6
70°-80°	4.4	0.3
80°-90°	1.2	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°	1206.7	86.9
0°-40°	1309.6	94.3
0°-60°	1374.7	99.0
0°-90°	1388.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1388.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4928	4928	4928	4928	4928	
5°	3979	4114	4469	4786	4922	320
15°	887	1031	1727	2881	3411	271
25°	235	264	390	895	1349	113
35°	69	79	118	207	339	47
45°	39	45	52	63	96	31
55°	24	21	20	21	22	22
65°	9	9	9	8	9	9
75°	4	4	4	4	4	4
85°	2	2	2	2	2	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4928.0	4928.0	4928.0	4928.0	4928.0
2.5°	4646.2	4701.6	4805.1	4904.0	4944.4
5°	3979.2	4114.1	4469.3	4785.6	4922.0
7.5°	3081.5	3303.3	3878.8	4470.8	4713.6
10°	2138.7	2363.6	3136.9	3988.2	4344.9
12.5°	1363.9	1582.7	2417.5	3453.2	3916.3
15°	887.3	1031.2	1726.6	2880.6	3411.2
17.5°	616.0	717.9	1175.0	2273.6	2852.2
20°	440.6	512.6	789.9	1734.1	2294.6
22.5°	319.2	368.7	548.5	1266.5	1783.5
25°	235.3	263.8	389.7	894.8	1348.9
27.5°	173.9	191.8	281.8	617.5	986.2
30°	125.9	140.9	206.8	424.2	702.9
32.5°	91.4	104.9	154.4	293.8	490.1
35°	68.9	79.4	118.4	206.8	338.7
37.5°	57.0	62.9	97.4	149.9	239.8
40°	48.0	54.0	83.9	110.9	175.4
42.5°	42.0	49.5	68.9	82.4	131.9
45°	39.0	45.0	52.5	62.9	95.9
47.5°	39.0	37.5	40.5	48.0	67.4
50°	37.5	31.5	31.5	37.5	46.5
52.5°	31.5	25.5	25.5	27.0	31.5
55°	24.0	21.0	19.5	21.0	22.5
57.5°	18.0	18.0	16.5	15.0	16.5
60°	13.5	13.5	12.0	12.0	12.0
62.5°	10.5	10.5	10.5	9.0	10.5
65°	9.0	9.0	9.0	7.5	9.0
67.5°	7.5	7.5	6.0	7.5	7.5
70°	6.0	6.0	6.0	6.0	6.0
72.5°	4.5	4.5	4.5	4.5	4.5
75°	4.5	4.5	4.5	4.5	4.5
77.5°	3.0	3.0	3.0	3.0	3.0
80°	3.0	3.0	3.0	3.0	3.0
82.5°	1.5	1.5	1.5	1.5	1.5
85°	1.5	1.5	1.5	1.5	1.5
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)