

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: P1179144

Luminaire Tested: LDA2B158027R2050D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179144
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: LDA2B158027R2050D010 2LBDC1MB
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

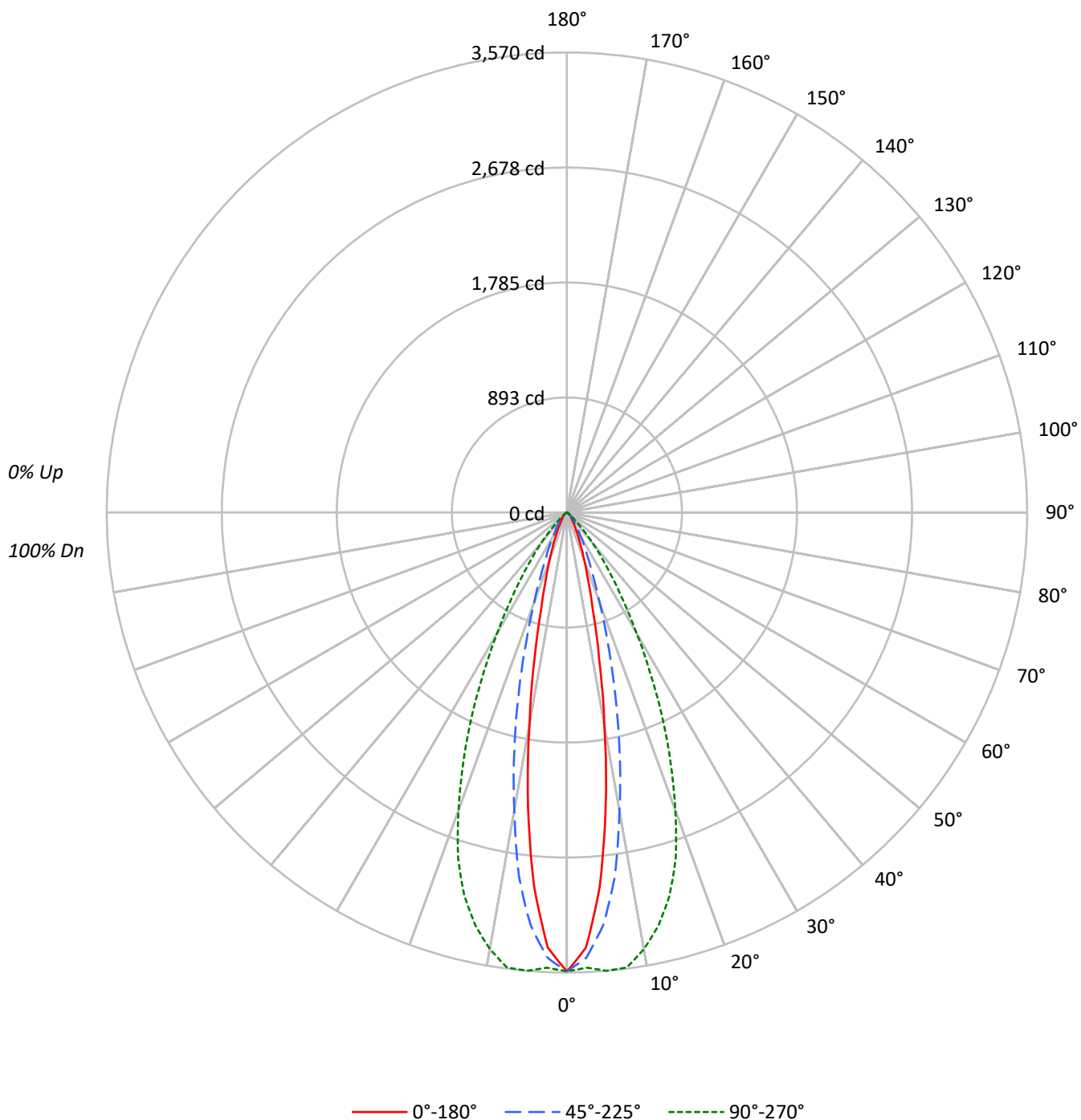
Lumens per Lamp: N/A
Luminaire Lumens: 1280.0 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 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
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°	1756763	1756763	1756763
5°	1444336	1593604	1767930
10°	838378	1177586	1723647
15°	390583	733408	1570758
20°	205810	386681	1291036
25°	113990	209363	952202
30°	66824	122653	615830
35°	42943	82272	364863
40°	33490	55452	202743
45°	29025	33142	90145
50°	26250	22796	33081
55°	17891	16601	15311
60°	13222	11742	11742
65°	10390	8639	10390
70°	8511	8511	8511
75°	8578	8578	8578
80°	8523	8523	8523
85°	8491	8491	8491

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 90145 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.5	22.2
10°-20°	464.2	36.3
20°-30°	309.7	24.2
30°-40°	139.6	10.9
40°-50°	51.1	4.0
50°-60°	17.9	1.4
60°-70°	8.4	0.7
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°	1057.4	82.6
0°-40°	1197.0	93.5
0°-60°	1266.0	98.9
0°-90°	1280.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1280.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3561	3561	3561	3561	3561	
5°	2916	3007	3218	3452	3570	238
15°	765	898	1436	2426	3075	229
25°	209	244	385	1048	1749	101
35°	71	80	137	296	606	47
45°	42	42	48	74	129	33
55°	21	19	19	16	18	19
65°	9	9	7	7	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°	3560.8	3560.8	3560.8	3560.8	3560.8
2.5°	3381.2	3416.8	3458.4	3501.5	3535.6
5°	2916.4	3007.0	3217.8	3452.4	3569.8
7.5°	2306.1	2439.7	2849.6	3312.9	3560.8
10°	1673.5	1844.3	2350.6	3070.8	3440.6
12.5°	1150.8	1311.2	1885.9	2764.9	3281.7
15°	764.7	898.4	1435.9	2426.4	3075.3
17.5°	539.0	629.6	1043.9	2056.6	2809.5
20°	392.0	452.9	736.5	1694.3	2459.0
22.5°	285.1	331.1	524.2	1354.3	2104.1
25°	209.4	243.5	384.6	1048.4	1749.2
27.5°	155.9	182.6	288.1	795.9	1394.3
30°	117.3	139.6	215.3	586.5	1081.0
32.5°	90.6	105.4	164.8	418.7	818.2
35°	71.3	80.2	136.6	295.5	605.8
37.5°	59.4	65.3	112.9	206.4	444.0
40°	52.0	56.4	86.1	147.0	314.8
42.5°	46.0	49.0	62.4	105.4	204.9
45°	41.6	41.6	47.5	74.2	129.2
47.5°	38.6	34.2	37.1	52.0	75.7
50°	34.2	28.2	29.7	35.6	43.1
52.5°	26.7	23.8	23.8	23.8	25.2
55°	20.8	19.3	19.3	16.3	17.8
57.5°	16.3	16.3	14.8	13.4	14.8
60°	13.4	13.4	11.9	10.4	11.9
62.5°	10.4	10.4	8.9	8.9	10.4
65°	8.9	8.9	7.4	7.4	8.9
67.5°	7.4	7.4	7.4	5.9	7.4
70°	5.9	5.9	5.9	5.9	5.9
72.5°	4.5	4.5	5.9	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)