

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: P1179220

Luminaire Tested: LDA2B158035R2050D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179220
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: LDA2B158035R2050D010 2LBDC1MB
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

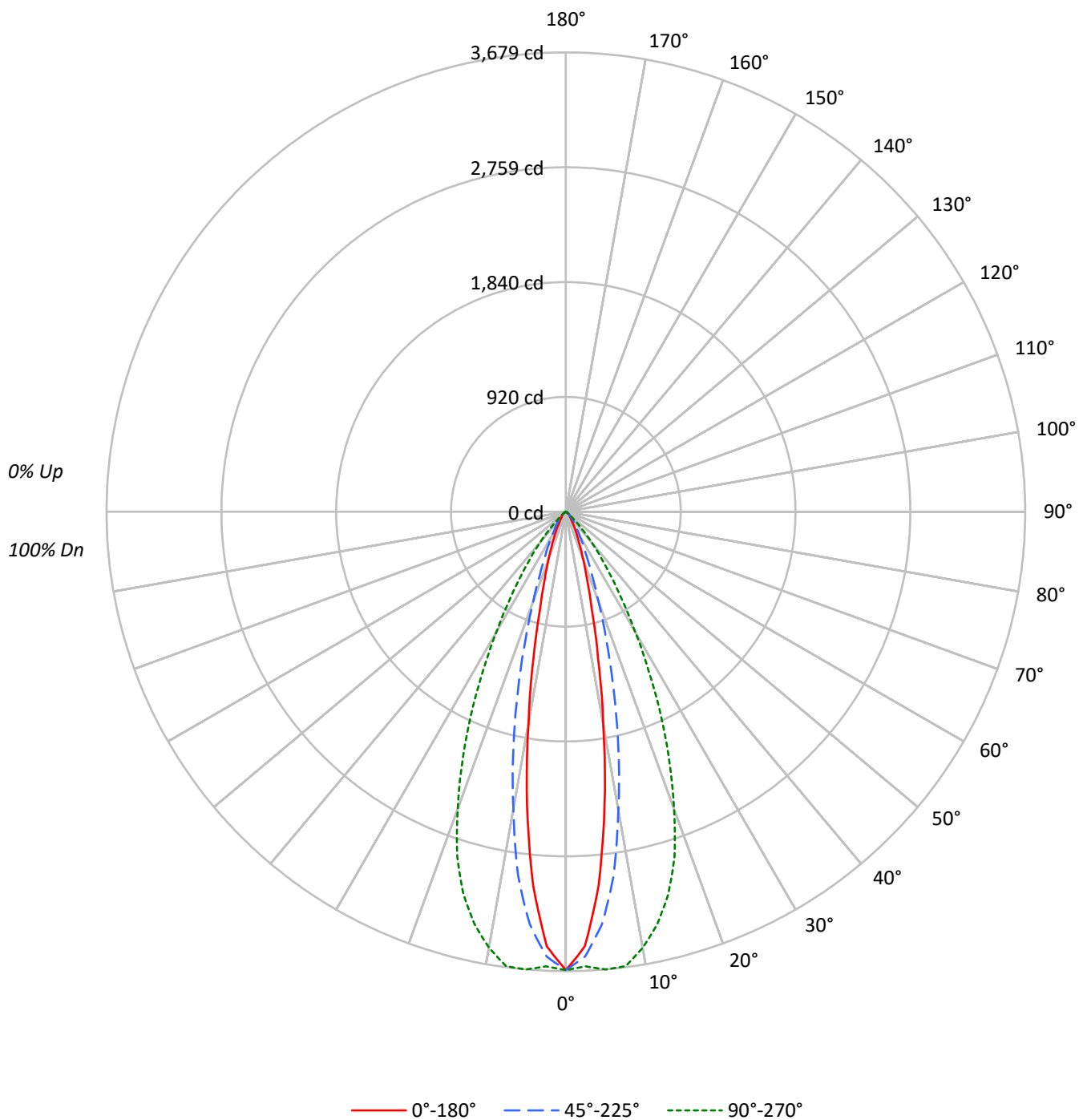
Lumens per Lamp: N/A
Luminaire Lumens: 1319.2 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	1810539	1810539	1810539
5°	1488512	1642385	1822011
10°	864028	1213606	1776349
15°	402534	755831	1618821
20°	212110	398546	1330570
25°	117474	215786	981380
30°	68875	126413	634686
35°	44268	84802	376066
40°	34520	57191	208926
45°	29862	34188	92866
50°	27017	23487	34079
55°	18407	17117	15827
60°	13617	12038	12038
65°	10740	8989	10740
70°	8799	8799	8799
75°	8769	8769	8769
80°	8808	8808	8808
85°	8491	8491	8491

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 92866 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.2	22.1
10°-20°	478.4	36.3
20°-30°	319.1	24.2
30°-40°	143.9	10.9
40°-50°	52.7	4.0
50°-60°	18.4	1.4
60°-70°	8.6	0.7
70°-80°	4.6	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°	1089.8	82.6
0°-40°	1233.7	93.5
0°-60°	1304.7	98.9
0°-90°	1319.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1319.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3670	3670	3670	3670	3670	
5°	3006	3099	3316	3558	3679	245
15°	788	926	1480	2501	3169	236
25°	216	251	396	1080	1803	104
35°	74	83	141	304	624	49
45°	43	43	49	76	133	34
55°	21	20	20	17	18	20
65°	9	9	8	8	9	9
75°	5	5	5	5	5	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°	3669.8	3669.8	3669.8	3669.8	3669.8
2.5°	3484.6	3521.3	3564.2	3608.6	3643.8
5°	3005.6	3099.0	3316.3	3558.1	3679.0
7.5°	2376.6	2514.4	2936.7	3414.2	3669.8
10°	1724.7	1900.7	2422.5	3164.8	3545.8
12.5°	1186.0	1351.3	1943.5	2849.5	3382.1
15°	788.1	925.9	1479.8	2500.6	3169.4
17.5°	555.5	648.9	1075.8	2119.5	2895.4
20°	404.0	466.8	759.1	1746.1	2534.3
22.5°	293.8	341.3	540.2	1395.7	2168.5
25°	215.8	251.0	396.4	1080.4	1802.8
27.5°	160.7	188.2	296.9	820.3	1437.0
30°	120.9	143.9	221.9	604.5	1114.1
32.5°	93.4	108.7	169.9	431.6	843.2
35°	73.5	82.6	140.8	304.5	624.4
37.5°	61.2	67.3	116.3	212.7	457.6
40°	53.6	58.2	88.8	151.5	324.4
42.5°	47.4	50.5	64.3	108.7	211.2
45°	42.8	42.8	49.0	76.5	133.1
47.5°	39.8	35.2	38.3	53.6	78.0
50°	35.2	29.1	30.6	36.7	44.4
52.5°	27.5	24.5	24.5	24.5	26.0
55°	21.4	19.9	19.9	16.8	18.4
57.5°	16.8	16.8	15.3	13.8	15.3
60°	13.8	13.8	12.2	10.7	12.2
62.5°	10.7	10.7	9.2	9.2	10.7
65°	9.2	9.2	7.7	7.7	9.2
67.5°	7.7	7.7	7.7	6.1	7.7
70°	6.1	6.1	6.1	6.1	6.1
72.5°	4.6	4.6	6.1	4.6	4.6
75°	4.6	4.6	4.6	4.6	4.6
77.5°	3.1	3.1	3.1	3.1	3.1
80°	3.1	3.1	3.1	3.1	3.1
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)