

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: P1179184

Luminaire Tested: LDA2B158030R2050D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179184
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: LDA2B158030R2050D010 2LBDC1MMS
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

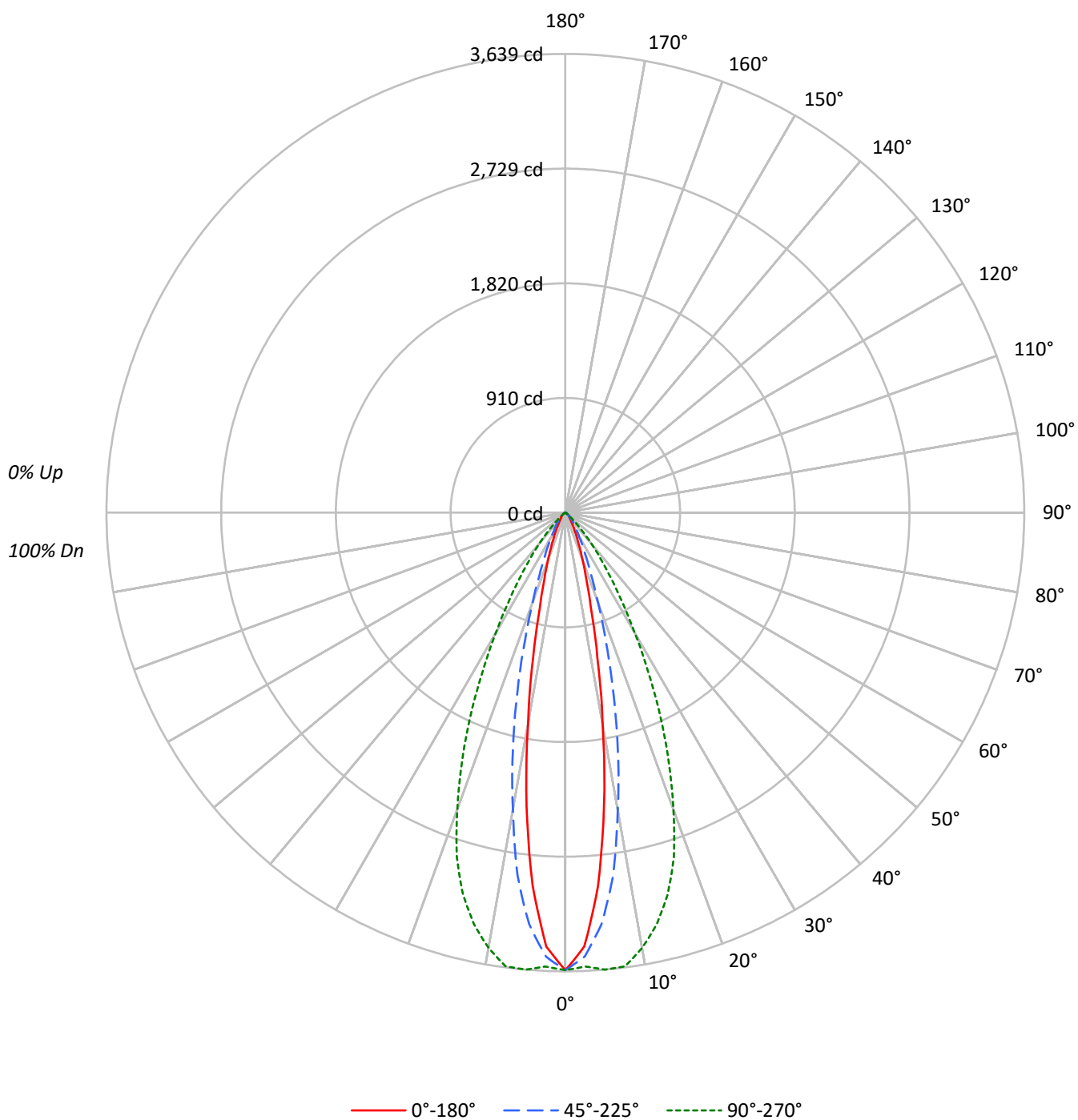
Lumens per Lamp: N/A
Luminaire Lumens: 1304.7 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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			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	109	107	112	109	107	106	105	104	102		102	100	99		98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	93	91	90
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		90	88	86	85
4	100	94	89	85	99	93	88	85	91	87	84		89	85	83		87	84	82	80
5	96	89	84	80	95	88	83	80	86	82	79		85	81	78		83	80	78	76
6	92	85	80	76	91	84	79	76	83	78	75		81	77	75		80	77	74	73
7	89	81	76	72	88	80	75	72	79	75	71		78	74	71		77	73	71	70
8	85	77	72	69	84	77	72	69	76	71	68		75	71	68		74	70	68	67
9	82	74	69	66	81	74	69	66	73	68	65		72	68	65		71	68	65	64
10	79	71	66	63	79	71	66	63	70	66	63		69	65	62		69	65	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1790657	1790657	1790657
5°	1472169	1624359	1802003
10°	854559	1200331	1756861
15°	398142	747557	1601046
20°	209800	394136	1315922
25°	116167	213391	970602
30°	68134	125046	627736
35°	43786	83838	371910
40°	34134	56547	206672
45°	29583	33770	91890
50°	26710	23256	33695
55°	18235	16945	15655
60°	13419	11939	11939
65°	10623	8872	10623
70°	8799	8799	8799
75°	8578	8578	8578
80°	8523	8523	8523
85°	8491	8491	8491

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 91890 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.0	22.2
10°-20°	473.2	36.3
20°-30°	315.6	24.2
30°-40°	142.3	10.9
40°-50°	52.1	4.0
50°-60°	18.2	1.4
60°-70°	8.6	0.7
70°-80°	4.5	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°	1077.8	82.6
0°-40°	1220.1	93.5
0°-60°	1290.4	98.9
0°-90°	1304.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1304.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3630	3630	3630	3630	3630	
5°	2973	3065	3280	3519	3639	243
15°	780	916	1464	2473	3135	233
25°	213	248	392	1069	1783	103
35°	73	82	139	301	618	48
45°	42	42	48	76	132	33
55°	21	20	20	17	18	20
65°	9	9	8	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°	3629.5	3629.5	3629.5	3629.5	3629.5
2.5°	3446.4	3482.7	3525.1	3569.0	3603.8
5°	2972.6	3064.9	3279.9	3519.0	3638.6
7.5°	2350.6	2486.8	2904.5	3376.7	3629.5
10°	1705.8	1879.8	2396.0	3130.0	3506.9
12.5°	1173.0	1336.5	1922.2	2818.2	3345.0
15°	779.5	915.7	1463.6	2473.1	3134.6
17.5°	549.4	641.7	1064.0	2096.3	2863.6
20°	399.6	461.6	750.7	1727.0	2506.4
22.5°	290.6	337.5	534.3	1380.4	2144.7
25°	213.4	248.2	392.0	1068.6	1783.0
27.5°	158.9	186.2	293.6	811.3	1421.2
30°	119.6	142.3	219.5	597.9	1101.9
32.5°	92.3	107.5	168.0	426.8	834.0
35°	72.7	81.7	139.2	301.2	617.5
37.5°	60.5	66.6	115.0	210.4	452.6
40°	53.0	57.5	87.8	149.8	320.9
42.5°	46.9	49.9	63.6	107.5	208.9
45°	42.4	42.4	48.4	75.7	131.7
47.5°	39.4	34.8	37.8	53.0	77.2
50°	34.8	28.8	30.3	36.3	43.9
52.5°	27.2	24.2	24.2	24.2	25.7
55°	21.2	19.7	19.7	16.6	18.2
57.5°	16.6	16.6	15.1	13.6	15.1
60°	13.6	13.6	12.1	10.6	12.1
62.5°	10.6	10.6	9.1	9.1	10.6
65°	9.1	9.1	7.6	7.6	9.1
67.5°	7.6	7.6	7.6	6.1	7.6
70°	6.1	6.1	6.1	6.1	6.1
72.5°	4.5	4.5	6.1	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)