

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: P1179259

Luminaire Tested: LDA2B158040R2050D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179259
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: LDA2B158040R2050D010 2LBDC1MMS
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

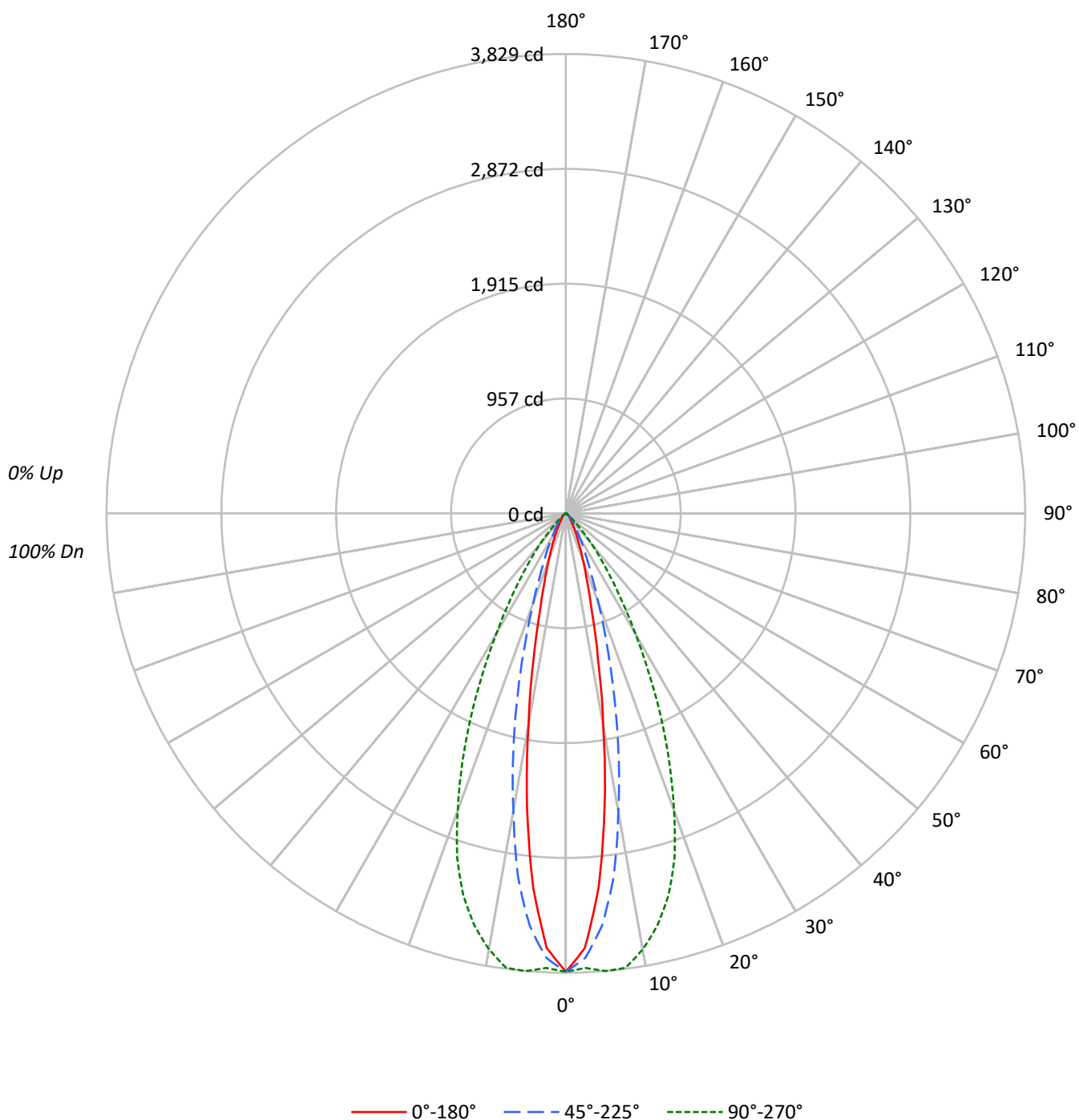
Lumens per Lamp: N/A
Luminaire Lumens: 1373.1 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1179259

CATALOG NUMBER: LDA2B158040R2050D010 2LBDC1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1179259

CATALOG NUMBER: LDA2B158040R2050D010 2LBDC1MMS

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°	1884593	1884593	1884593
5°	1549378	1709541	1896496
10°	899346	1263253	1848990
15°	419032	786783	1685016
20°	220773	414822	1384963
25°	122264	224605	1021500
30°	71666	131597	660664
35°	46075	88295	391424
40°	35937	59509	217492
45°	31118	35584	96704
50°	28092	24484	35460
55°	19181	17805	16429
60°	14110	12531	12531
65°	11207	9339	11207
70°	9232	9232	9232
75°	9150	9150	9150
80°	9092	9092	9092
85°	9057	9057	9057

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 96704 cd/sqm

TEST NUMBER: P1179259

CATALOG NUMBER: LDA2B158040R2050D010 2LBDC1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.1	22.1
10°-20°	498.0	36.3
20°-30°	332.2	24.2
30°-40°	149.8	10.9
40°-50°	54.8	4.0
50°-60°	19.2	1.4
60°-70°	9.0	0.7
70°-80°	4.7	0.3
80°-90°	1.3	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°	1134.3	82.6
0°-40°	1284.1	93.5
0°-60°	1358.1	98.9
0°-90°	1373.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1373.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3820	3820	3820	3820	3820	
5°	3128	3226	3452	3704	3829	255
15°	820	964	1540	2603	3299	246
25°	225	261	413	1125	1876	108
35°	76	86	147	317	650	51
45°	45	45	51	80	139	35
55°	22	21	21	18	19	21
65°	10	10	8	8	10	10
75°	5	5	5	5	5	5
85°	2	2	2	2	2	1
90°	0	0	0	0	0	

TEST NUMBER: P1179259

CATALOG NUMBER: LDA2B158040R2050D010 2LBDC1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3819.9	3819.9	3819.9	3819.9	3819.9
2.5°	3627.1	3665.4	3710.0	3756.2	3792.8
5°	3128.5	3225.7	3451.9	3703.6	3829.4
7.5°	2473.8	2617.2	3056.9	3553.9	3819.9
10°	1795.2	1978.4	2521.6	3294.2	3690.8
12.5°	1234.5	1406.6	2023.0	2966.1	3520.4
15°	820.4	963.7	1540.4	2602.9	3299.0
17.5°	578.2	675.4	1119.8	2206.2	3013.8
20°	420.5	485.8	790.1	1817.5	2637.9
22.5°	305.8	355.2	562.3	1452.8	2257.2
25°	224.6	261.2	412.6	1124.6	1876.5
27.5°	167.3	195.9	309.0	853.8	1495.8
30°	125.8	149.7	231.0	629.2	1159.7
32.5°	97.2	113.1	176.8	449.2	877.7
35°	76.5	86.0	146.6	317.0	649.9
37.5°	63.7	70.1	121.1	221.4	476.3
40°	55.8	60.5	92.4	157.7	337.7
42.5°	49.4	52.6	66.9	113.1	219.8
45°	44.6	44.6	51.0	79.6	138.6
47.5°	41.4	36.6	39.8	55.8	81.2
50°	36.6	30.3	31.9	38.2	46.2
52.5°	28.7	25.5	25.5	25.5	27.1
55°	22.3	20.7	20.7	17.5	19.1
57.5°	17.5	17.5	15.9	14.3	15.9
60°	14.3	14.3	12.7	11.2	12.7
62.5°	11.2	11.2	9.6	9.6	11.2
65°	9.6	9.6	8.0	8.0	9.6
67.5°	8.0	8.0	8.0	6.4	8.0
70°	6.4	6.4	6.4	6.4	6.4
72.5°	4.8	4.8	6.4	4.8	4.8
75°	4.8	4.8	4.8	4.8	4.8
77.5°	3.2	3.2	3.2	3.2	3.2
80°	3.2	3.2	3.2	3.2	3.2
82.5°	1.6	1.6	1.6	1.6	1.6
85°	1.6	1.6	1.6	1.6	1.6
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)