

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: P1179284

Luminaire Tested: LDA2B158050R2040D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179284
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: LDA2B158050R2040D010 2LBDC1MB
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

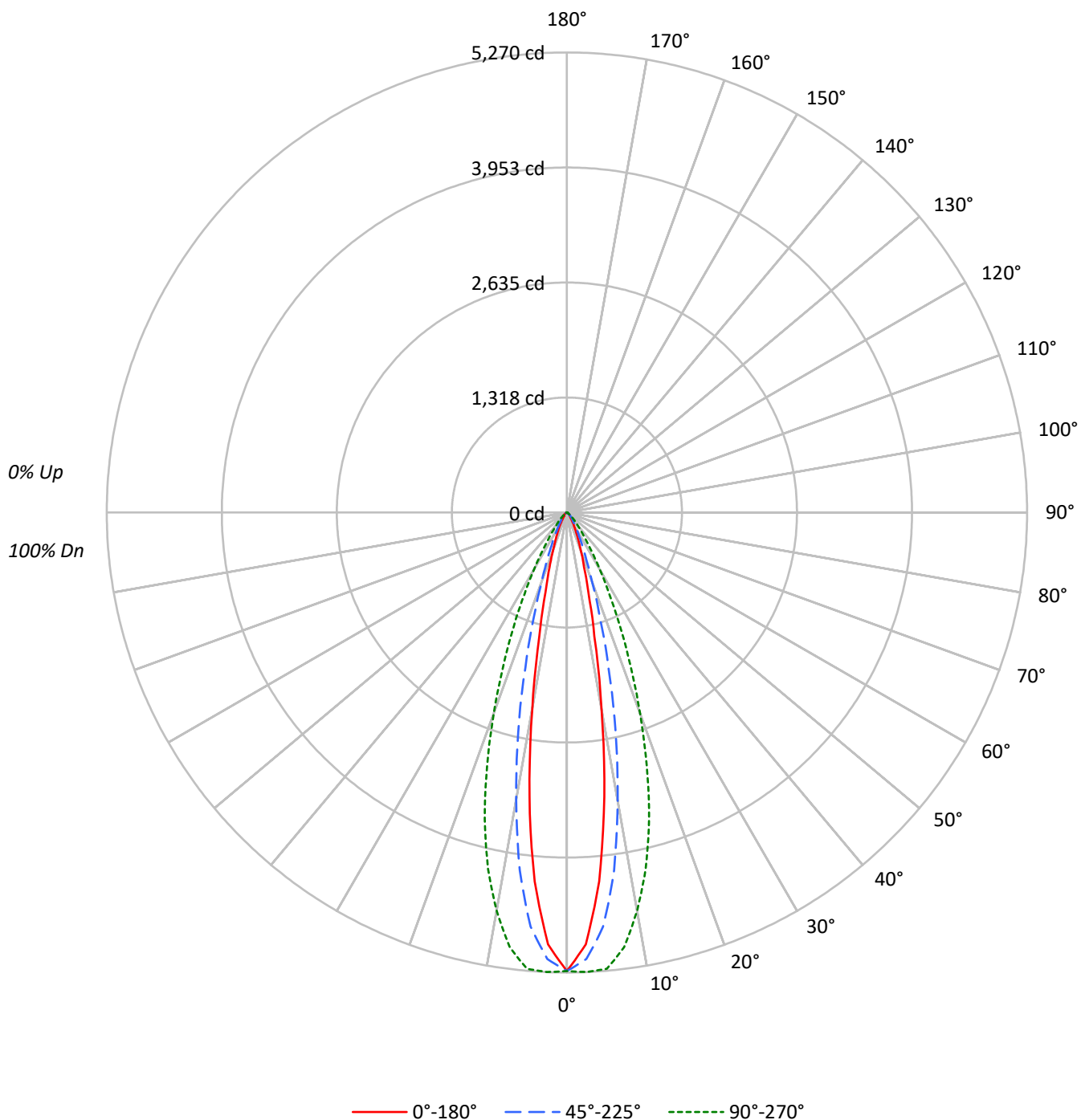
Lumens per Lamp: N/A
Luminaire Lumens: 1480.2 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	2591136	2591136	2591136
5°	2100290	2358957	2597864
10°	1141917	1674852	2319804
15°	482980	939860	1856889
20°	246552	441966	1283948
25°	136527	226075	782578
30°	76452	125559	426751
35°	44268	76008	217424
40°	32910	57577	120371
45°	28955	39002	71307
50°	30625	25712	37993
55°	22020	17891	20644
60°	14209	12630	12630
65°	11207	11207	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: 71307 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	409.2	27.6
10°-20°	578.7	39.1
20°-30°	298.1	20.1
30°-40°	109.7	7.4
40°-50°	48.2	3.3
50°-60°	21.2	1.4
60°-70°	9.3	0.6
70°-80°	4.6	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°	1286.0	86.9
0°-40°	1395.7	94.3
0°-60°	1465.0	99.0
0°-90°	1480.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1480.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5252	5252	5252	5252	5252	
5°	4241	4385	4763	5100	5246	341
15°	946	1099	1840	3070	3636	289
25°	251	281	415	954	1438	120
35°	74	85	126	220	361	50
45°	42	48	56	67	102	33
55°	26	22	21	22	24	23
65°	10	10	10	8	10	10
75°	5	5	5	5	5	5
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°	5252.0	5252.0	5252.0	5252.0	5252.0
2.5°	4951.7	5010.8	5121.0	5226.4	5269.5
5°	4240.9	4384.6	4763.2	5100.2	5245.6
7.5°	3284.1	3520.5	4133.8	4764.8	5023.5
10°	2279.4	2519.0	3343.2	4250.4	4630.6
12.5°	1453.6	1686.8	2576.5	3680.2	4173.8
15°	945.6	1099.0	1840.1	3070.0	3635.5
17.5°	656.5	765.1	1252.3	2423.1	3039.7
20°	469.6	546.3	841.8	1848.1	2445.5
22.5°	340.2	392.9	584.6	1349.7	1900.8
25°	250.8	281.1	415.3	953.6	1437.6
27.5°	185.3	204.5	300.3	658.1	1051.0
30°	134.2	150.1	220.4	452.0	749.1
32.5°	97.4	111.8	164.5	313.1	522.3
35°	73.5	84.7	126.2	220.4	361.0
37.5°	60.7	67.1	103.8	159.7	255.6
40°	51.1	57.5	89.4	118.2	186.9
42.5°	44.7	52.7	73.5	87.9	140.6
45°	41.5	47.9	55.9	67.1	102.2
47.5°	41.5	39.9	43.1	51.1	71.9
50°	39.9	33.5	33.5	39.9	49.5
52.5°	33.5	27.2	27.2	28.8	33.5
55°	25.6	22.4	20.8	22.4	24.0
57.5°	19.2	19.2	17.6	16.0	17.6
60°	14.4	14.4	12.8	12.8	12.8
62.5°	11.2	11.2	11.2	9.6	11.2
65°	9.6	9.6	9.6	8.0	9.6
67.5°	8.0	8.0	6.4	8.0	8.0
70°	6.4	6.4	6.4	6.4	6.4
72.5°	4.8	4.8	4.8	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)