

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: P1179272

Luminaire Tested: LDA2B158040R2060D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179272
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2010-034-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B158040R2060D010 2LBDC1MMS
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

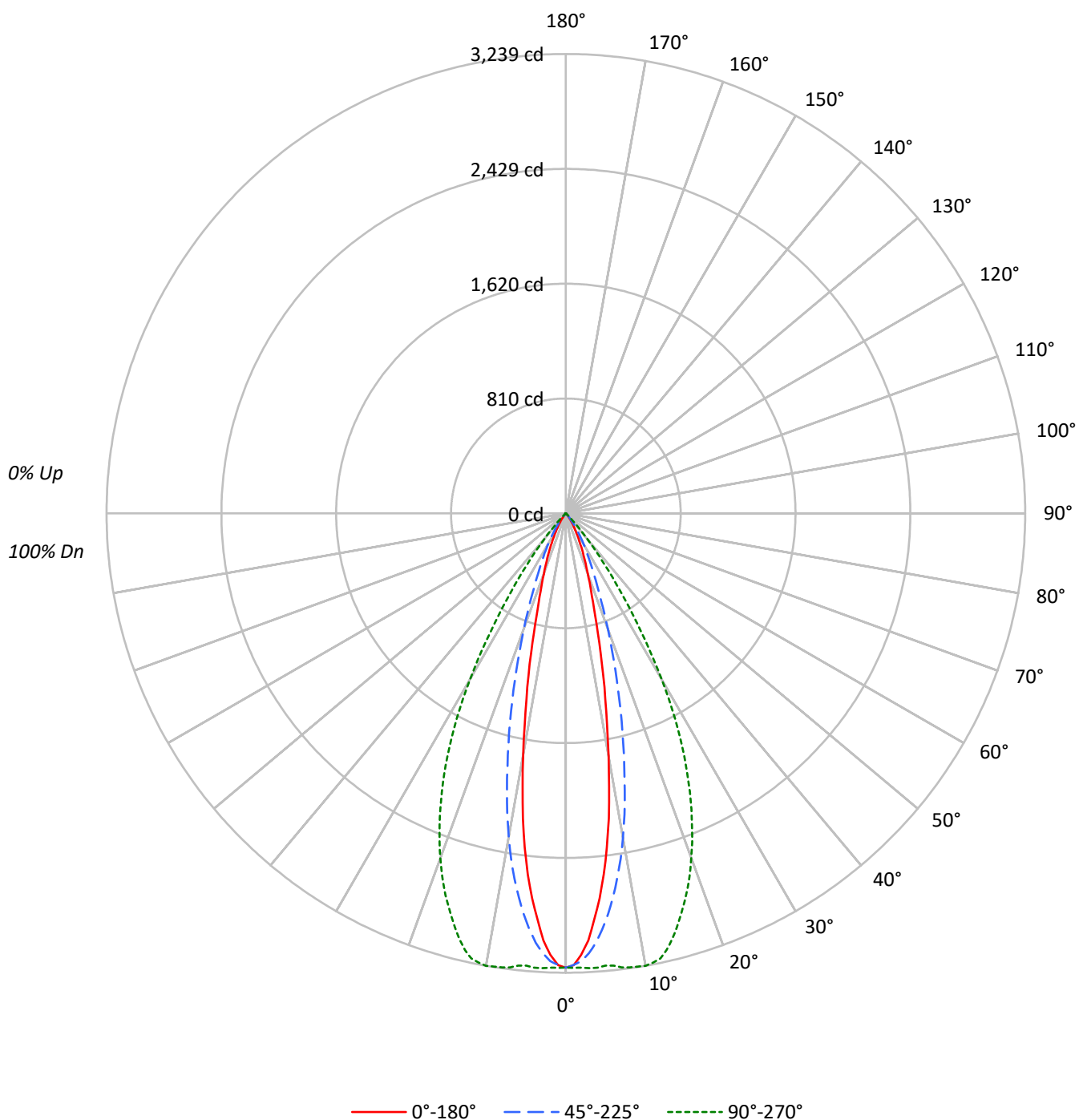
Lumens per Lamp: N/A
Luminaire Lumens: 1276.1 lumens
Efficiency: N/A
Efficacy: 90.5 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	92	92	90
3	105	100	96	92	103	99	95	92	96	93	90	94	91	89	91	89	87	87	87	86
4	101	95	90	87	99	94	89	86	92	88	85	90	87	84	88	85	83	83	83	82
5	97	90	85	82	96	89	85	81	88	84	81	86	83	80	85	82	79	79	79	78
6	93	86	81	77	92	85	81	77	84	80	77	82	79	76	81	78	76	76	76	74
7	90	82	77	74	89	81	77	73	80	76	73	79	75	73	78	75	72	72	72	71
8	86	79	74	70	85	78	73	70	77	73	70	76	72	69	75	72	69	69	69	68
9	83	75	70	67	82	75	70	67	74	70	67	73	69	66	72	69	66	66	66	65
10	80	72	67	64	79	72	67	64	71	67	64	70	66	64	70	66	64	64	64	62

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1580386	1580386	1580386
5°	1349546	1458748	1584887
10°	868887	1162908	1622651
15°	445694	775649	1544147
20°	238046	453254	1358186
25°	132716	248502	1104733
30°	70755	141510	769588
35°	30837	68239	401181
40°	9017	20030	151993
45°	2163	5442	22746
50°	1228	1228	2379
55°	1376	1376	1376
60°	0	1579	1579
65°	0	1868	1868
70°	0	2308	2308
75°	0	3050	3050
80°	0	4546	4546
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 22746 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.4	20.7
10°-20°	481.3	37.7
20°-30°	364.8	28.6
30°-40°	146.0	11.4
40°-50°	14.8	1.2
50°-60°	1.5	0.1
60°-70°	1.4	0.1
70°-80°	1.4	0.1
80°-90°	0.4	0.0
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°	1110.5	87.0
0°-40°	1256.5	98.5
0°-60°	1272.8	99.7
0°-90°	1276.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1276.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3203	3203	3203	3203	3203	
5°	2725	2786	2946	3116	3200	228
15°	873	1012	1519	2500	3023	250
25°	244	284	456	1304	2029	116
35°	51	64	113	345	666	35
45°	3	5	8	16	33	4
55°	2	2	2	2	2	1
65°	0	2	2	2	2	0
75°	0	2	2	2	2	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3203.3	3203.3	3203.3	3203.3	3203.3
1°	3186.2	3187.8	3184.7	3189.3	3204.8
2°	3114.8	3138.1	3158.3	3178.4	3204.8
3°	3015.4	3043.4	3107.0	3170.7	3211.1
4°	2869.4	2926.9	3035.6	3152.0	3211.1
5°	2725.0	2785.6	2945.5	3116.3	3200.2
6°	2560.5	2647.4	2841.5	3082.2	3206.4
7°	2374.1	2481.3	2726.6	3060.4	3225.0
8°	2172.3	2293.4	2600.8	3013.9	3232.8
9°	1948.7	2096.2	2467.3	2958.0	3235.9
10°	1734.4	1889.7	2321.3	2894.3	3239.0
11°	1520.1	1681.6	2163.0	2832.2	3226.6
12°	1338.5	1492.2	1996.8	2767.0	3207.9
13°	1170.8	1319.8	1832.2	2689.3	3159.8
14°	1015.5	1161.4	1673.8	2599.3	3096.1
15°	872.6	1012.4	1518.6	2499.9	3023.2
16°	743.8	874.2	1369.5	2389.7	2942.4
17°	650.6	754.6	1229.8	2273.2	2863.2
18°	577.6	655.3	1097.8	2158.3	2779.4
19°	512.4	574.5	975.1	2038.7	2686.2
20°	453.4	509.3	863.3	1914.5	2586.9
21°	403.7	451.8	759.3	1791.9	2485.9
22°	360.2	402.2	666.1	1670.7	2375.7
23°	319.9	357.1	586.9	1548.1	2265.4
24°	281.0	321.4	517.1	1423.9	2150.5
25°	243.8	284.2	456.5	1304.3	2029.4
26°	214.3	251.5	405.3	1187.8	1903.6
27°	184.8	223.6	360.2	1076.0	1776.3
28°	161.5	197.2	319.9	968.9	1638.1
29°	139.7	173.9	282.6	863.3	1496.8
30°	124.2	150.6	248.4	763.9	1350.9
32.5°	85.4	100.9	173.9	537.2	986.0
35°	51.2	63.7	113.3	344.7	666.1
37.5°	27.9	34.2	65.2	206.5	419.2
40°	14.0	17.1	31.1	100.9	236.0
42.5°	6.2	7.8	14.0	38.8	100.9
45°	3.1	4.7	7.8	15.5	32.6
47.5°	1.6	3.1	3.1	6.2	9.3
50°	1.6	1.6	1.6	3.1	3.1
52.5°	1.6	1.6	1.6	3.1	3.1
55°	1.6	1.6	1.6	1.6	1.6
57.5°	0.0	1.6	1.6	1.6	1.6
60°	0.0	1.6	1.6	1.6	1.6
62.5°	0.0	1.6	1.6	1.6	1.6
65°	0.0	1.6	1.6	1.6	1.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.6	1.6	1.6	1.6
70°	0.0	1.6	1.6	1.6	1.6
72.5°	0.0	1.6	1.6	1.6	1.6
75°	0.0	1.6	1.6	1.6	1.6
77.5°	0.0	1.6	1.6	1.6	1.6
80°	0.0	0.0	1.6	1.6	1.6
82.5°	0.0	0.0	1.6	1.6	1.6
85°	0.0	0.0	0.0	0.0	0.0
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)