

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: P1179504

Luminaire Tested: LDA2B159040R2060D010 2LBD1WMH

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179504
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: LDA2B159040R2060D010 2LBD1WMH
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

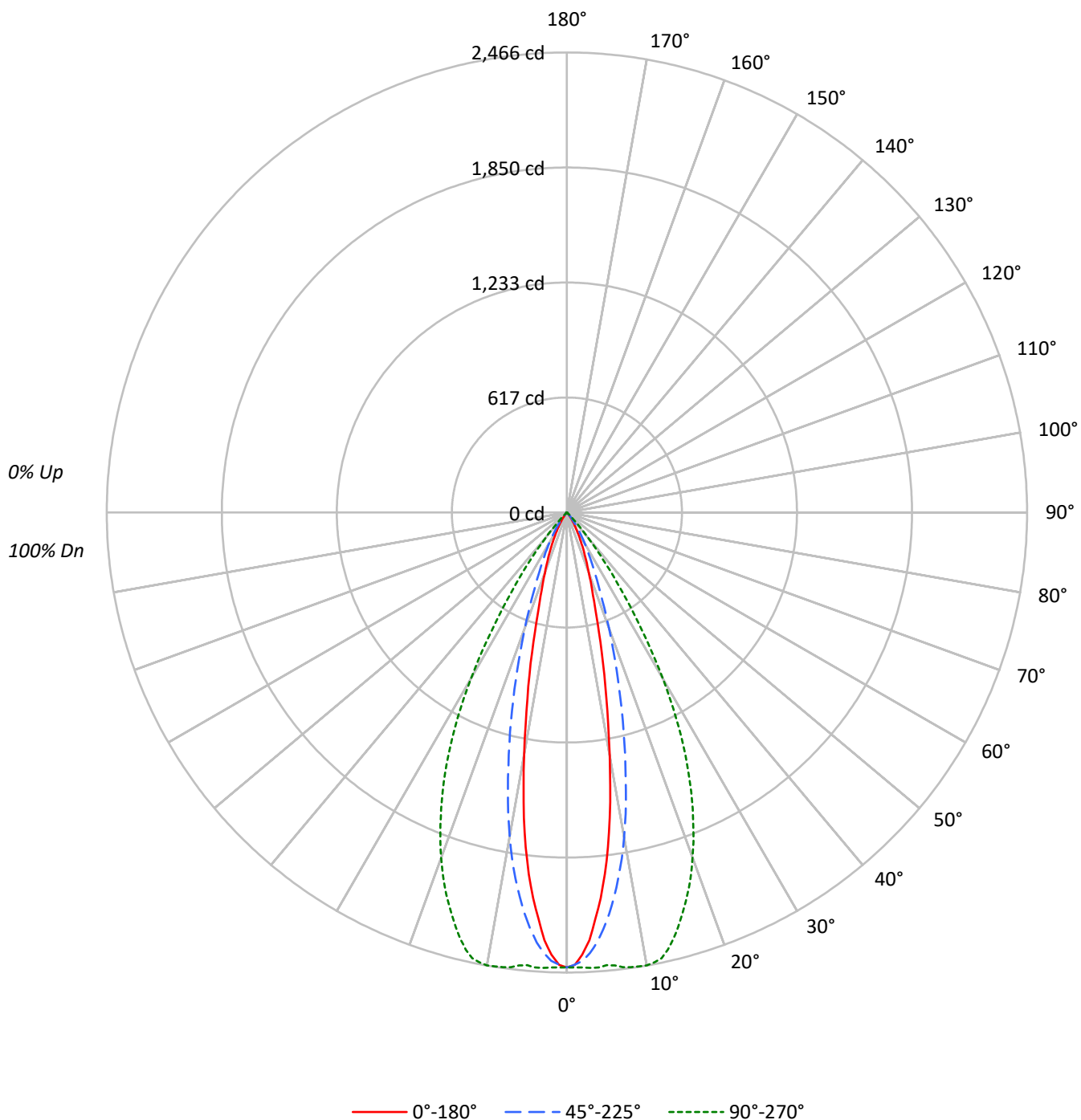
Lumens per Lamp: N/A
Luminaire Lumens: 971.4 lumens
Efficiency: N/A
Efficacy: 68.9 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	1203112	1203112	1203112
5°	1027389	1110540	1206519
10°	661484	885319	1235298
15°	339302	590496	1175527
20°	181239	345046	1033931
25°	101034	189167	841043
30°	53892	107727	585864
35°	23489	51977	305418
40°	6827	15199	115734
45°	1675	4117	17303
50°	921	921	1842
55°	1032	1032	1032
60°	0	1184	1184
65°	0	1401	1401
70°	0	1731	1731
75°	0	2287	2287
80°	0	3409	3409
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 17303 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.3	20.7
10°-20°	366.4	37.7
20°-30°	277.7	28.6
30°-40°	111.1	11.4
40°-50°	11.3	1.2
50°-60°	1.2	0.1
60°-70°	1.0	0.1
70°-80°	1.1	0.1
80°-90°	0.3	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°	845.4	87.0
0°-40°	956.5	98.5
0°-60°	969.0	99.8
0°-90°	971.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	971.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2439	2439	2439	2439	2439	
5°	2074	2121	2242	2372	2436	174
15°	664	771	1156	1903	2302	190
25°	186	216	348	993	1545	88
35°	39	48	86	262	507	27
45°	2	4	6	12	25	3
55°	1	1	1	1	1	1
65°	0	1	1	1	1	0
75°	0	1	1	1	1	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2438.6	2438.6	2438.6	2438.6	2438.6
1°	2425.6	2426.8	2424.4	2428.0	2439.8
2°	2371.2	2389.0	2404.3	2419.7	2439.8
3°	2295.6	2316.9	2365.3	2413.8	2444.5
4°	2184.5	2228.2	2310.9	2399.6	2444.5
5°	2074.5	2120.6	2242.4	2372.4	2436.2
6°	1949.2	2015.4	2163.2	2346.4	2441.0
7°	1807.4	1888.9	2075.7	2329.9	2455.2
8°	1653.7	1745.9	1980.0	2294.4	2461.1
9°	1483.5	1595.8	1878.3	2251.8	2463.4
10°	1320.4	1438.6	1767.2	2203.4	2465.8
11°	1157.2	1280.2	1646.6	2156.1	2456.3
12°	1018.9	1136.0	1520.1	2106.4	2442.2
13°	891.3	1004.8	1394.8	2047.3	2405.5
14°	773.1	884.2	1274.3	1978.8	2357.0
15°	664.3	770.7	1156.1	1903.1	2301.5
16°	566.2	665.5	1042.6	1819.2	2240.0
17°	495.3	574.5	936.2	1730.5	2179.7
18°	439.7	498.8	835.7	1643.1	2115.9
19°	390.1	437.4	742.3	1552.1	2045.0
20°	345.2	387.7	657.2	1457.5	1969.3
21°	307.3	344.0	578.0	1364.1	1892.5
22°	274.2	306.2	507.1	1271.9	1808.6
23°	243.5	271.9	446.8	1178.5	1724.6
24°	214.0	244.7	393.6	1084.0	1637.2
25°	185.6	216.3	347.5	992.9	1545.0
26°	163.1	191.5	308.5	904.3	1449.2
27°	140.7	170.2	274.2	819.2	1352.3
28°	122.9	150.1	243.5	737.6	1247.1
29°	106.4	132.4	215.1	657.2	1139.5
30°	94.6	114.7	189.1	581.6	1028.4
32.5°	65.0	76.8	132.4	409.0	750.6
35°	39.0	48.5	86.3	262.4	507.1
37.5°	21.3	26.0	49.6	157.2	319.2
40°	10.6	13.0	23.6	76.8	179.7
42.5°	4.7	5.9	10.6	29.6	76.8
45°	2.4	3.5	5.9	11.8	24.8
47.5°	1.2	2.4	2.4	4.7	7.1
50°	1.2	1.2	1.2	2.4	2.4
52.5°	1.2	1.2	1.2	2.4	2.4
55°	1.2	1.2	1.2	1.2	1.2
57.5°	0.0	1.2	1.2	1.2	1.2
60°	0.0	1.2	1.2	1.2	1.2
62.5°	0.0	1.2	1.2	1.2	1.2
65°	0.0	1.2	1.2	1.2	1.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.2	1.2	1.2	1.2
70°	0.0	1.2	1.2	1.2	1.2
72.5°	0.0	1.2	1.2	1.2	1.2
75°	0.0	1.2	1.2	1.2	1.2
77.5°	0.0	1.2	1.2	1.2	1.2
80°	0.0	0.0	1.2	1.2	1.2
82.5°	0.0	0.0	1.2	1.2	1.2
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)