

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: P1323792

Luminaire Tested: LDSQA3D09R409030D2WDE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323792
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R409030D2WDE010 3LSQCDR1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R40 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

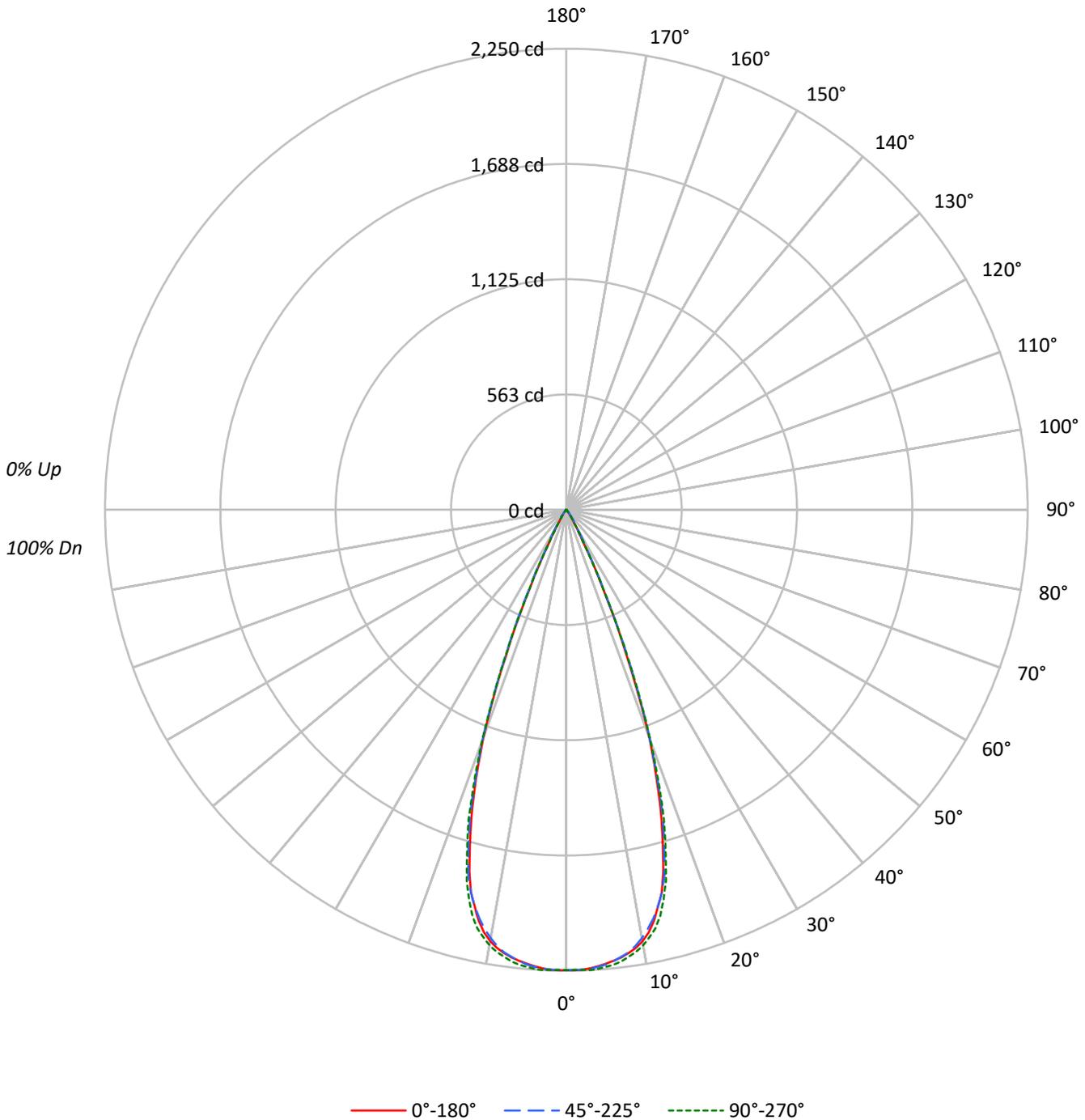
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 951.0 lumens
Efficiency: N/A
Efficacy: 64.7 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.7
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	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	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	71
10	84	77	73	70	84	77	73	70	76	72	70	75	72	69	75	71	69	69	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	386984	386984	386984
5°	384417	385005	387079
10°	374015	371199	377407
15°	325875	329209	334344
20°	217072	218171	220261
25°	78918	81331	79298
30°	16764	22472	16764
35°	5908	9987	5635
40°	2113	3147	2113
45°	487	1315	487
50°	348	536	348
55°	390	390	390
60°	448	448	448
65°	285	530	285
70°	352	352	352
75°	466	466	466
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1315 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.0	22.1
10°-20°	489.3	51.5
20°-30°	220.2	23.2
30°-40°	25.1	2.6
40°-50°	3.6	0.4
50°-60°	1.2	0.1
60°-70°	1.0	0.1
70°-80°	0.6	0.1
80°-90°	0.0	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°	919.5	96.7
0°-40°	944.6	99.3
0°-60°	949.3	99.8
0°-90°	951.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	951.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2247	2247	2247	2247	2247	
5°	2224	2221	2227	2237	2239	210
15°	1828	1832	1846	1861	1875	485
25°	415	418	428	428	417	215
35°	28	31	48	30	27	21
45°	2	3	5	3	2	3
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
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°	2247.0	2247.0	2247.0	2247.0	2247.0
1°	2248.4	2246.3	2245.7	2249.7	2246.3
2°	2246.3	2245.0	2245.7	2249.7	2247.0
3°	2240.3	2241.0	2243.0	2250.4	2249.7
4°	2233.0	2232.3	2236.3	2245.7	2245.7
5°	2223.6	2220.9	2227.0	2237.0	2239.0
6°	2212.9	2209.6	2214.2	2227.0	2231.6
7°	2200.9	2194.2	2198.2	2213.6	2219.6
8°	2184.8	2176.1	2180.8	2196.2	2200.9
9°	2164.8	2151.4	2155.4	2174.1	2183.5
10°	2138.7	2122.0	2122.6	2143.4	2158.1
11°	2101.9	2083.2	2083.8	2109.9	2125.3
12°	2053.1	2036.4	2039.7	2063.8	2088.5
13°	1986.9	1982.2	1986.2	2012.3	2035.0
14°	1922.7	1918.0	1925.3	1949.4	1960.1
15°	1827.7	1832.4	1846.4	1861.1	1875.2
17.5°	1526.8	1544.8	1561.5	1571.6	1583.6
20°	1184.4	1163.6	1190.4	1178.3	1201.8
22.5°	764.4	779.8	786.5	779.8	782.4
25°	415.3	418.0	428.0	428.0	417.3
27.5°	176.6	190.6	203.3	198.6	176.6
30°	84.3	97.0	113.0	97.6	84.3
32.5°	47.5	56.2	72.9	54.8	46.1
35°	28.1	31.4	47.5	30.1	26.8
37.5°	16.7	17.4	26.1	18.1	16.1
40°	9.4	11.4	14.0	11.4	9.4
42.5°	4.7	6.7	8.7	6.7	4.7
45°	2.0	3.3	5.4	3.3	2.0
47.5°	2.0	2.0	3.3	2.0	2.0
50°	1.3	1.3	2.0	1.3	1.3
52.5°	1.3	1.3	1.3	1.3	1.3
55°	1.3	1.3	1.3	1.3	1.3
57.5°	1.3	1.3	1.3	1.3	1.3
60°	1.3	1.3	1.3	1.3	1.3
62.5°	1.3	1.3	1.3	1.3	1.3
65°	0.7	1.3	1.3	1.3	0.7
67.5°	0.7	0.7	0.7	0.7	0.7
70°	0.7	0.7	0.7	0.7	0.7
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.7	0.7	0.7
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)