

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: P1316458

Luminaire Tested: LDSQA3D09R409740DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316458
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R409740DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

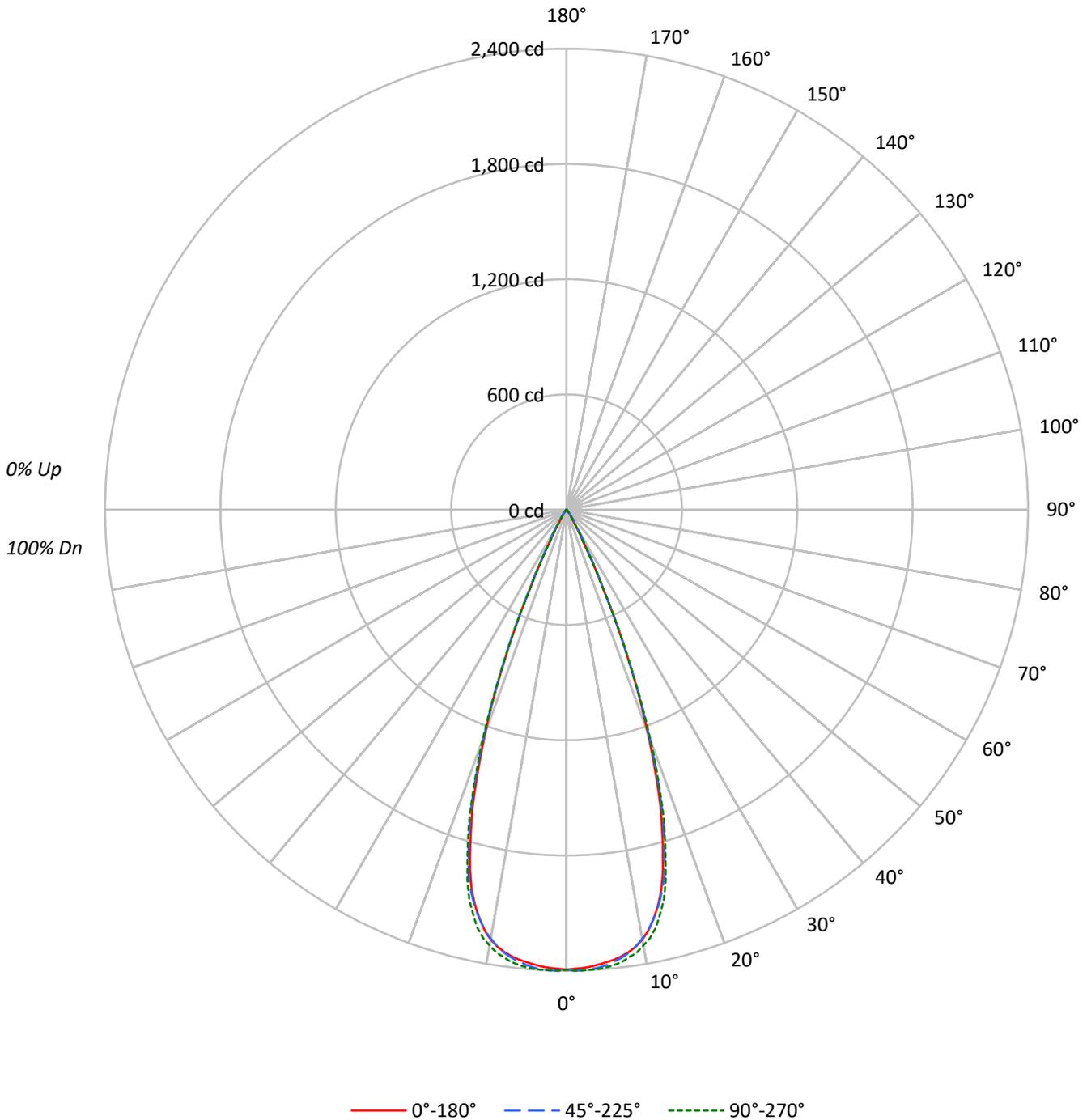
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1007.0 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	94	94	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	90	90	90	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	87	87	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	83	83	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	80	80	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	77	77	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	75	75	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	72	72	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	70	70	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	412422	412422	412422
5°	408845	411421	413375
10°	397204	396452	402660
15°	345542	351104	355401
20°	226785	231202	234189
25°	80856	85569	80438
30°	17619	23824	17759
35°	5656	9839	5508
40°	1754	3035	1596
45°	170	1047	170
50°	0	188	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1047 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.9	22.2
10°-20°	521.5	51.8
20°-30°	233.9	23.2
30°-40°	25.3	2.5
40°-50°	2.3	0.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	979.4	97.3
0°-40°	1004.6	99.8
0°-60°	1007.0	100.0
0°-90°	1007.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1007.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2395	2395	2395	2395	2395	
5°	2365	2371	2380	2383	2391	223
15°	1938	1952	1969	1981	1993	515
25°	426	438	450	458	423	227
35°	27	31	47	30	26	21
45°	1	1	4	1	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	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°	2394.7	2394.7	2394.7	2394.7	2394.7
1°	2389.7	2394.7	2398.9	2395.4	2400.3
2°	2387.6	2393.3	2399.6	2396.1	2400.3
3°	2381.9	2389.0	2396.1	2394.0	2398.2
4°	2374.1	2379.8	2390.4	2390.4	2396.8
5°	2364.9	2371.3	2379.8	2383.3	2391.1
6°	2355.0	2358.5	2364.9	2372.0	2382.6
7°	2342.2	2342.2	2350.0	2357.1	2371.3
8°	2324.5	2323.1	2328.7	2337.9	2350.7
9°	2302.5	2297.5	2301.8	2315.3	2334.4
10°	2271.3	2267.0	2267.0	2284.1	2302.5
11°	2230.9	2229.5	2230.2	2246.5	2271.3
12°	2176.3	2177.7	2177.7	2196.1	2226.6
13°	2114.6	2113.9	2120.2	2140.8	2161.4
14°	2039.4	2043.7	2050.0	2068.5	2089.8
15°	1938.0	1952.2	1969.2	1980.6	1993.3
17.5°	1629.5	1643.7	1667.1	1676.3	1679.2
20°	1237.4	1258.0	1261.5	1279.9	1277.8
22.5°	829.7	828.2	831.1	833.2	833.9
25°	425.5	438.2	450.3	458.1	423.3
27.5°	185.1	207.1	222.7	202.1	187.2
30°	88.6	100.7	119.8	101.4	89.3
32.5°	48.2	56.0	75.9	55.3	47.5
35°	26.9	31.2	46.8	30.5	26.2
37.5°	15.6	17.0	25.5	17.0	14.9
40°	7.8	9.9	13.5	9.9	7.1
42.5°	2.8	5.0	7.1	5.0	2.8
45°	0.7	1.4	4.3	1.4	0.7
47.5°	0.0	0.0	2.1	0.0	0.0
50°	0.0	0.0	0.7	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
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)