

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: P1313525

Luminaire Tested: LDSQA3D09R359727DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313525
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R359727DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

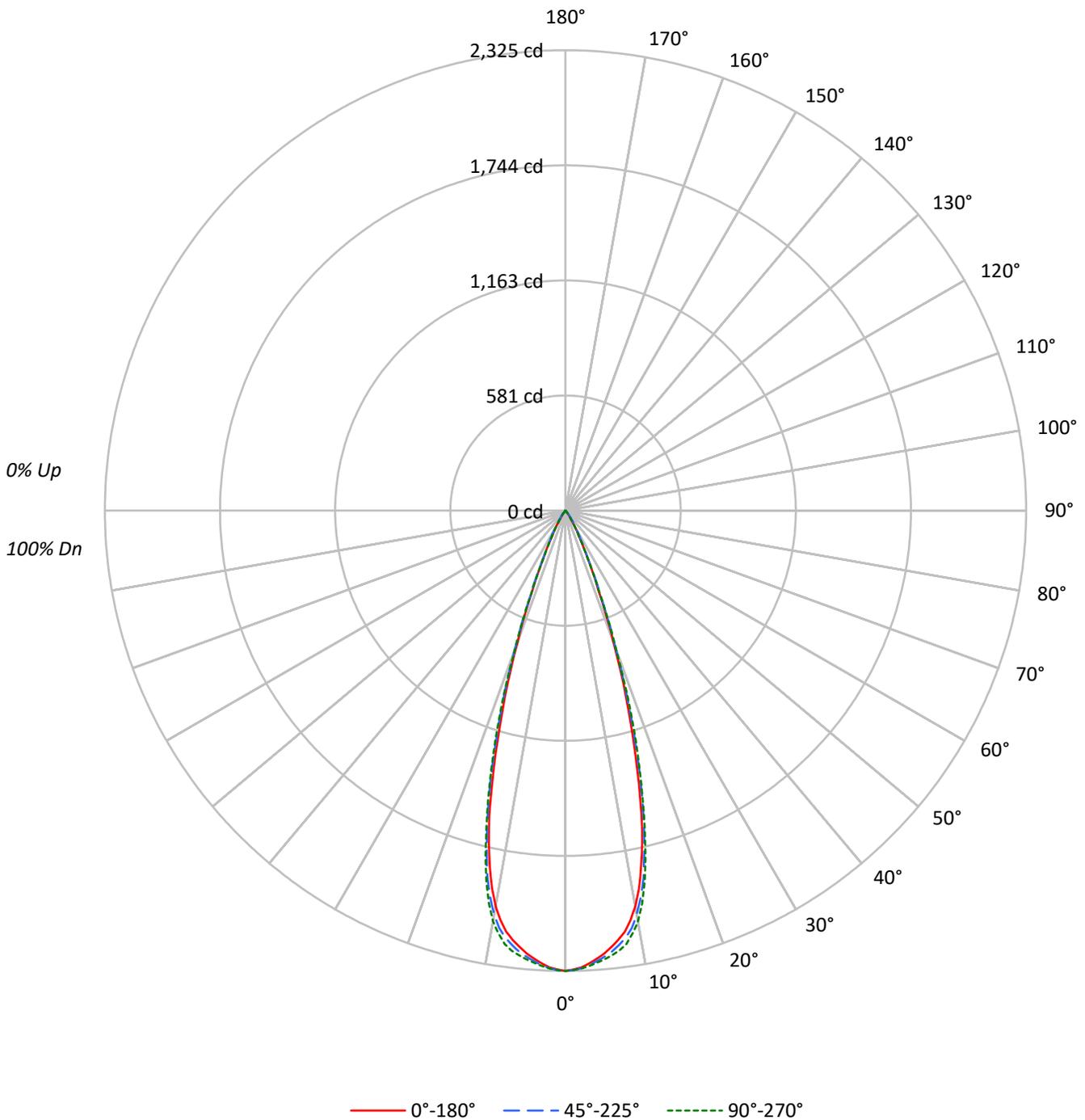
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 774.0 lumens
Efficiency: N/A
Efficacy: 69.7 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
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	100	100	100	100
1	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96	96	96	96
2	111	107	104	102	109	106	103	100	102	100	98	100	98	96	97	96	94	93	93	93	93
3	107	102	99	96	105	101	98	95	99	96	94	96	94	92	94	92	91	89	89	89	89
4	104	98	94	91	102	97	93	90	95	92	89	93	91	88	92	89	87	86	86	86	86
5	100	94	90	87	99	93	90	87	92	88	86	90	87	85	89	86	84	83	83	83	83
6	97	91	86	83	96	90	86	83	89	85	83	88	84	82	86	84	82	80	80	80	80
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	78	78	78	78
8	91	85	80	77	91	84	80	77	83	80	77	82	79	77	81	79	76	75	75	75	75
9	89	82	78	75	88	81	77	75	81	77	74	80	77	74	79	76	74	73	73	73	73
10	86	79	75	72	85	79	75	72	78	75	72	78	74	72	77	74	72	71	71	71	71

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	400366	400366	400366
5°	388220	390969	393096
10°	354760	362263	368471
15°	255109	266270	268445
20°	129887	136394	136742
25°	49274	50319	48932
30°	19131	22193	18654
35°	6581	10302	6181
40°	2203	4002	2068
45°	146	1340	146
50°	0	161	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: 1340 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.4	27.2
10°-20°	392.1	50.7
20°-30°	140.9	18.2
30°-40°	27.5	3.6
40°-50°	3.1	0.4
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°	743.4	96.0
0°-40°	770.9	99.6
0°-60°	774.0	100.0
0°-90°	774.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	774.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2325	2325	2325	2325	2325	
5°	2246	2252	2262	2272	2274	208
15°	1431	1455	1493	1504	1506	380
25°	259	262	265	263	258	136
35°	31	36	49	36	29	23
45°	1	2	6	2	1	2
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°	2324.7	2324.7	2324.7	2324.7	2324.7
1°	2317.9	2321.0	2321.6	2325.9	2321.0
2°	2308.1	2309.9	2312.4	2316.1	2313.6
3°	2289.1	2292.8	2298.3	2303.2	2303.2
4°	2268.9	2273.8	2280.5	2289.1	2288.5
5°	2245.6	2251.7	2261.5	2271.9	2273.8
6°	2216.1	2223.5	2239.4	2254.2	2256.6
7°	2184.9	2195.9	2211.2	2232.7	2238.2
8°	2148.1	2156.7	2178.8	2203.9	2210.0
9°	2094.2	2107.0	2135.2	2158.5	2162.2
10°	2028.6	2037.8	2071.5	2096.0	2107.0
11°	1944.0	1957.4	1990.5	2015.7	2023.0
12°	1836.1	1855.7	1894.3	1912.7	1918.8
13°	1719.6	1736.1	1766.2	1788.9	1793.8
14°	1588.4	1604.3	1635.6	1654.0	1649.7
15°	1430.8	1454.7	1493.4	1503.8	1505.6
17.5°	1056.9	1072.2	1106.5	1123.1	1134.7
20°	708.7	723.4	744.2	755.3	746.1
22.5°	431.0	443.2	454.3	453.7	450.6
25°	259.3	261.8	264.8	263.0	257.5
27.5°	151.4	158.2	167.4	161.2	152.0
30°	96.2	101.8	111.6	101.2	93.8
32.5°	50.9	64.4	74.8	60.7	53.3
35°	31.3	35.6	49.0	36.2	29.4
37.5°	19.0	22.1	30.7	21.5	17.2
40°	9.8	14.1	17.8	12.9	9.2
42.5°	3.1	6.7	9.8	6.1	3.1
45°	0.6	1.8	5.5	1.8	0.6
47.5°	0.0	0.0	2.5	0.6	0.0
50°	0.0	0.0	0.6	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)