

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: P1319981

Luminaire Tested: LDSQA3D09R359840DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319981
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R359840DE010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

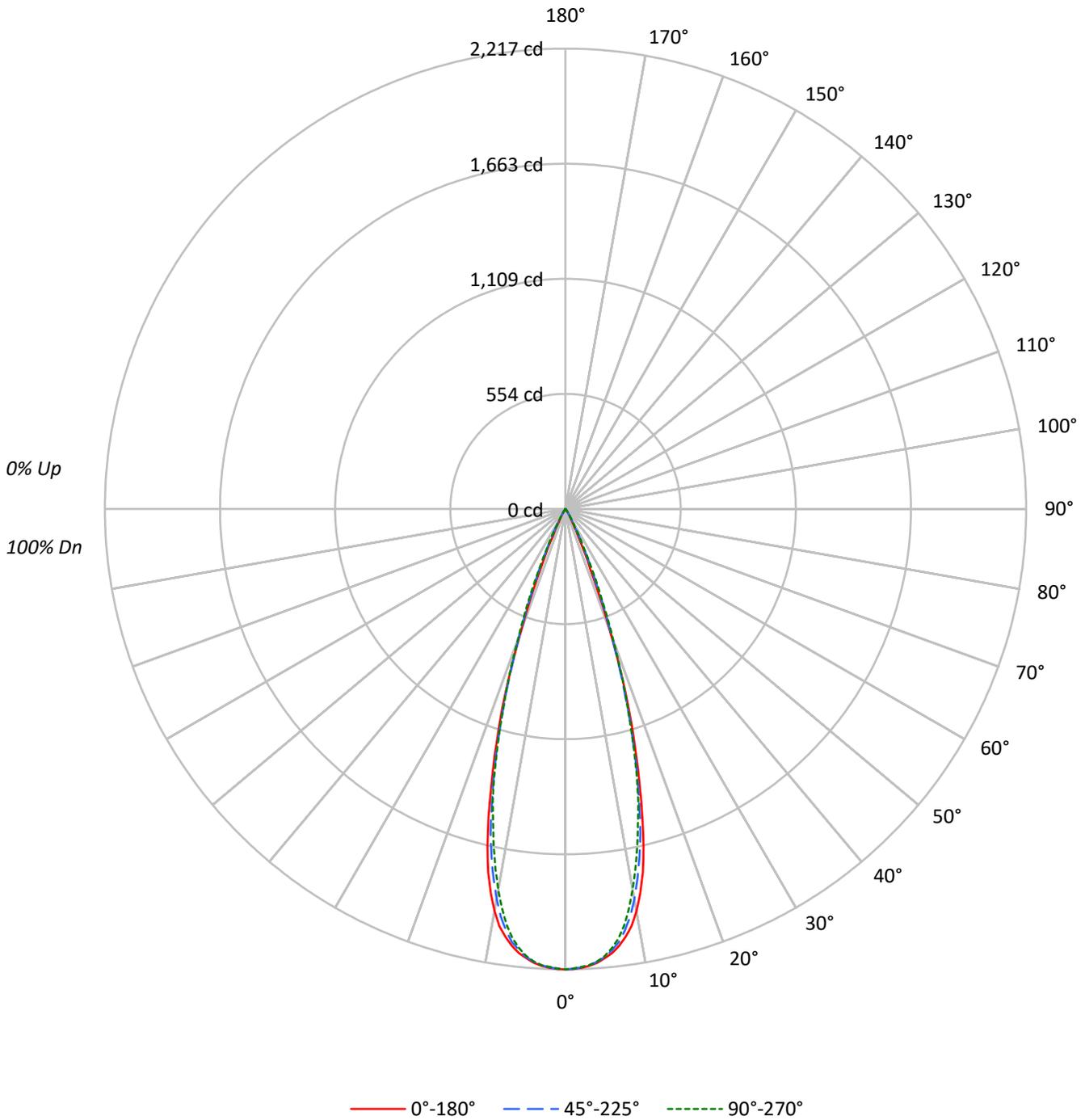
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 673.0 lumens
Efficiency: N/A
Efficacy: 61.2 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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	108	107	106	104	103	102	101	100	99	98	97	97	96	95	97
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93	97	96	95	93
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	90	95	93	92	90
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	87	93	90	89	87
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85	90	88	86	85
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82	88	85	83	82
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	80	85	83	81	80
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	77	83	80	78	77
9	90	84	80	77	89	83	79	77	82	79	76	82	79	76	81	78	76	75	81	78	76	75
10	88	81	77	75	87	81	77	74	80	77	74	80	76	74	79	76	74	73	79	76	74	73

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	381869	381869	381869
5°	375306	374511	373716
10°	343970	333618	325521
15°	246301	238438	235549
20°	114217	118139	122281
25°	27098	38556	40210
30°	7955	9108	10261
35°	1829	2922	2691
40°	382	787	517
45°	146	146	146
50°	161	0	161
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: 0°

Vertical Angle: 52.5°

Luminance: 170 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.1	29.6
10°-20°	355.9	52.9
20°-30°	107.1	15.9
30°-40°	10.2	1.5
40°-50°	0.7	0.1
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°	662.0	98.4
0°-40°	672.3	99.9
0°-60°	673.0	100.0
0°-90°	673.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	673.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2217	2217	2217	2217	2217	
5°	2171	2170	2166	2163	2162	201
15°	1381	1371	1337	1332	1321	365
25°	143	157	203	212	212	92
35°	9	12	14	15	13	8
45°	1	1	1	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°	2217.3	2217.3	2217.3	2217.3	2217.3
1°	2216.1	2216.1	2215.0	2215.0	2212.7
2°	2210.9	2211.5	2209.2	2208.6	2206.9
3°	2202.8	2201.1	2201.1	2199.9	2198.8
4°	2190.1	2186.6	2185.4	2186.0	2183.7
5°	2170.9	2170.3	2166.3	2163.4	2161.7
6°	2150.1	2146.0	2137.3	2129.8	2128.0
7°	2118.8	2110.1	2102.5	2086.9	2084.6
8°	2080.5	2066.6	2050.4	2028.3	2027.2
9°	2033.5	2010.9	1988.3	1958.8	1948.3
10°	1966.9	1946.0	1907.7	1881.7	1861.4
11°	1884.0	1857.9	1813.3	1782.0	1765.1
12°	1790.1	1765.7	1713.6	1685.1	1661.4
13°	1669.5	1649.2	1600.5	1569.2	1550.7
14°	1529.8	1514.7	1468.3	1454.4	1448.1
15°	1381.4	1371.0	1337.3	1331.5	1321.1
17.5°	1016.8	999.4	980.3	983.7	987.2
20°	623.2	647.5	644.6	657.4	667.2
22.5°	310.7	342.0	378.5	400.6	411.6
25°	142.6	157.1	202.9	211.6	211.6
27.5°	71.9	75.4	95.6	97.4	102.0
30°	40.0	42.9	45.8	51.0	51.6
32.5°	20.3	23.8	24.9	27.8	26.7
35°	8.7	11.6	13.9	15.1	12.8
37.5°	4.1	5.2	7.5	7.0	5.2
40°	1.7	2.3	3.5	2.9	2.3
42.5°	1.2	1.2	1.7	1.2	1.2
45°	0.6	0.6	0.6	0.6	0.6
47.5°	0.6	0.6	0.0	0.6	0.6
50°	0.6	0.0	0.0	0.0	0.6
52.5°	0.6	0.0	0.0	0.0	0.6
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)