

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: P1319816

Luminaire Tested: LDSQA3D05R309840DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319816
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R309840DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

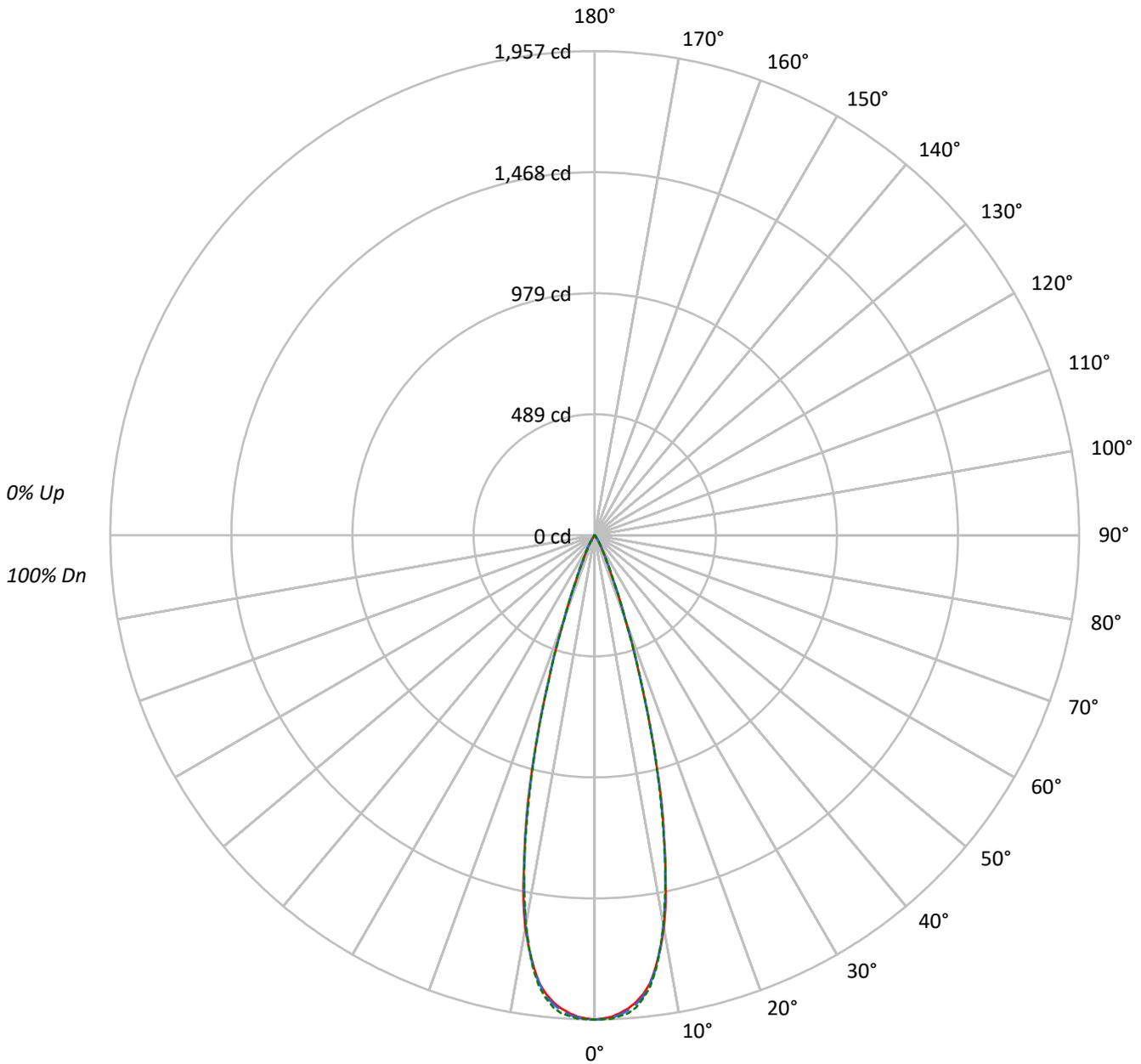
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 509.0 lumens
Efficiency: N/A
Efficacy: 70.7 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): NR
Input Current (A_{in}): 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



— 0°-180° - - 45°-225° - - - 90°-270°



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	337057	337057	337057
5°	327816	329251	331291
10°	281888	279492	279772
15°	173217	171808	171951
20°	65924	66071	64843
25°	20960	22081	21036
30°	8432	10460	8671
35°	2733	4625	2733
40°	1237	2023	1237
45°	487	852	487
50°	214	429	214
55°	240	240	240
60°	276	276	276
65°	163	163	163
70°	201	201	201
75°	266	266	266
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 852 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.6	33.9
10°-20°	256.1	50.3
20°-30°	63.6	12.5
30°-40°	12.7	2.5
40°-50°	2.3	0.5
50°-60°	0.7	0.1
60°-70°	0.5	0.1
70°-80°	0.4	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°	492.4	96.7
0°-40°	505.1	99.2
0°-60°	508.1	99.8
0°-90°	509.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	509.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1957	1957	1957	1957	1957	
5°	1896	1902	1904	1907	1916	172
15°	972	973	964	967	964	257
25°	110	113	116	115	111	62
35°	13	17	22	16	13	10
45°	2	2	4	3	2	2
55°	1	1	1	1	1	1
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1957.1	1957.1	1957.1	1957.1	1957.1
1°	1952.8	1955.1	1956.7	1956.7	1956.7
2°	1947.3	1948.9	1951.2	1951.6	1954.7
3°	1934.3	1937.9	1941.8	1944.1	1945.7
4°	1918.6	1923.3	1925.7	1931.6	1936.7
5°	1896.2	1902.5	1904.5	1907.2	1916.3
6°	1866.0	1870.7	1874.6	1875.8	1881.3
7°	1825.9	1828.3	1827.5	1829.5	1839.3
8°	1765.1	1765.9	1772.5	1768.2	1774.9
9°	1692.8	1689.7	1688.1	1691.3	1691.6
10°	1611.9	1601.3	1598.2	1595.4	1599.8
11°	1507.1	1493.3	1494.5	1493.7	1487.5
12°	1376.7	1375.2	1364.9	1366.9	1376.3
13°	1243.6	1246.4	1244.4	1246.7	1236.1
14°	1118.7	1105.4	1108.9	1095.6	1100.7
15°	971.5	973.4	963.6	966.8	964.4
17.5°	622.0	626.3	623.2	620.4	624.7
20°	359.7	359.3	360.5	356.9	353.8
22.5°	189.3	192.0	195.6	195.9	198.3
25°	110.3	112.7	116.2	114.7	110.7
27.5°	67.5	71.9	77.4	73.4	68.7
30°	42.4	45.9	52.6	46.3	43.6
32.5°	24.0	29.1	34.6	29.1	24.0
35°	13.0	16.9	22.0	16.5	13.0
37.5°	8.6	9.8	14.5	9.8	8.6
40°	5.5	6.7	9.0	6.7	5.5
42.5°	3.1	4.3	5.1	4.3	3.1
45°	2.0	2.4	3.5	2.7	2.0
47.5°	0.8	1.2	2.4	1.2	1.2
50°	0.8	0.8	1.6	0.8	0.8
52.5°	0.8	0.8	0.8	0.8	0.8
55°	0.8	0.8	0.8	0.8	0.8
57.5°	0.8	0.8	0.8	0.8	0.8
60°	0.8	0.8	0.8	0.8	0.8
62.5°	0.8	0.8	0.8	0.8	0.8
65°	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4
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)