

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: P1314515

Luminaire Tested: LDSQA3D09R409730DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314515
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: LDSQA3D09R409730DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

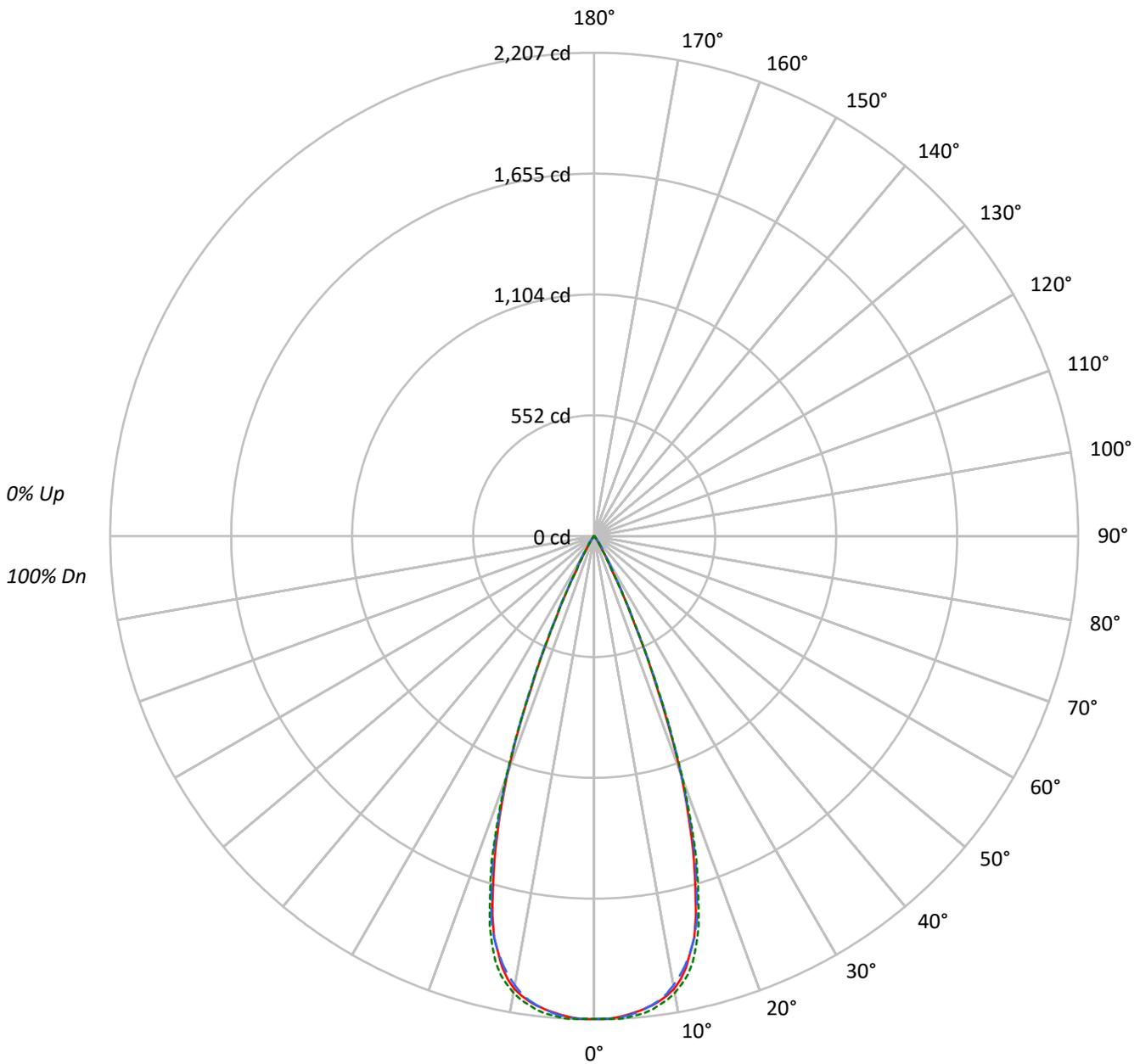
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 933.1 lumens
Efficiency: N/A
Efficacy: 84.1 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): 11.1
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	102	102	102	100
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	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	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	72	71
10	84	77	73	70	84	77	73	70	76	72	69	75	72	69	75	71	69	69	69	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	379665	379665	379665
5°	377139	377709	379749
10°	366932	364186	370255
15°	319706	322987	328015
20°	212948	214047	216082
25°	77417	79792	77797
30°	16446	22054	16446
35°	5803	9797	5508
40°	2068	3103	2068
45°	487	1267	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: 1267 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.0	22.1
10°-20°	480.0	51.4
20°-30°	216.0	23.2
30°-40°	24.6	2.6
40°-50°	3.5	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°	902.1	96.7
0°-40°	926.7	99.3
0°-60°	931.4	99.8
0°-90°	933.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	933.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2204	2204	2204	2204	2204	
5°	2182	2179	2185	2195	2197	206
15°	1793	1798	1812	1826	1840	476
25°	407	410	420	420	409	211
35°	28	31	47	30	26	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°	2204.5	2204.5	2204.5	2204.5	2204.5
1°	2205.8	2203.8	2203.2	2207.1	2203.8
2°	2203.8	2202.5	2203.2	2207.1	2204.5
3°	2197.9	2198.6	2200.5	2207.8	2207.1
4°	2190.7	2190.1	2194.0	2203.2	2203.2
5°	2181.5	2178.9	2184.8	2194.6	2196.6
6°	2171.0	2167.7	2172.3	2184.8	2189.4
7°	2159.2	2152.7	2156.6	2171.7	2177.6
8°	2143.5	2134.9	2139.5	2154.6	2159.2
9°	2123.8	2110.7	2114.6	2133.0	2142.2
10°	2098.2	2081.8	2082.5	2102.8	2117.2
11°	2062.1	2043.7	2044.4	2070.0	2085.1
12°	2014.2	1997.8	2001.1	2024.7	2049.0
13°	1949.3	1944.7	1948.6	1974.2	1996.5
14°	1886.3	1881.7	1888.9	1912.5	1923.0
15°	1793.1	1797.7	1811.5	1825.9	1839.7
17.5°	1497.9	1515.6	1532.0	1541.8	1553.6
20°	1161.9	1141.6	1167.9	1156.0	1179.0
22.5°	749.9	765.0	771.6	765.0	767.6
25°	407.4	410.1	419.9	419.9	409.4
27.5°	173.2	187.0	199.5	194.9	173.2
30°	82.7	95.1	110.9	95.8	82.7
32.5°	46.6	55.1	71.5	53.8	45.3
35°	27.6	30.8	46.6	29.5	26.2
37.5°	16.4	17.1	25.6	17.7	15.7
40°	9.2	11.2	13.8	11.2	9.2
42.5°	4.6	6.6	8.5	6.6	4.6
45°	2.0	3.3	5.2	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)