

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: P1307994

Luminaire Tested: LDSQA3D09R409027DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307994
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: LDSQA3D09R409027DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

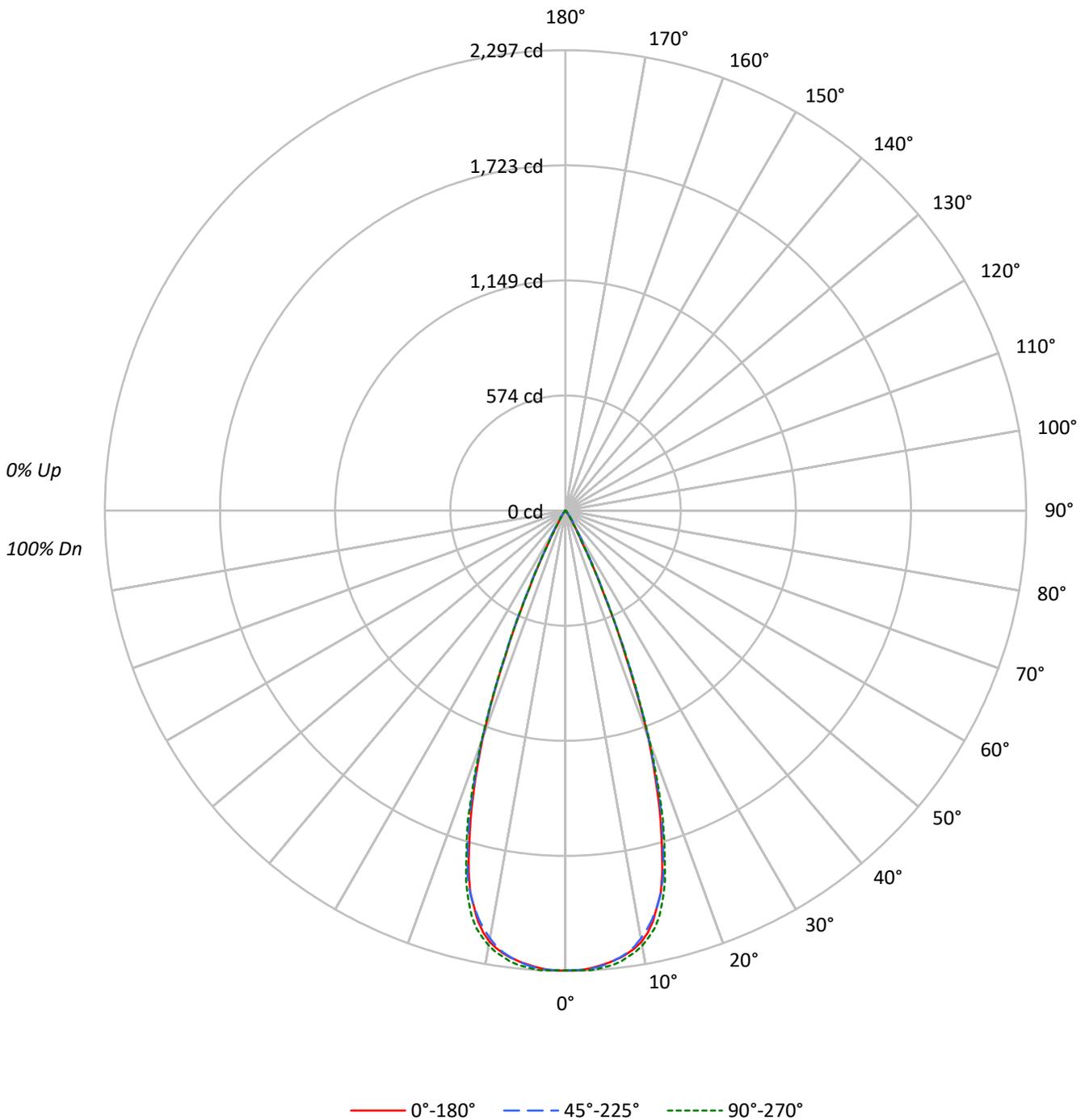
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 971.1 lumens
Efficiency: N/A
Efficacy: 87.5 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





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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	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	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	71
10	84	77	73	70	84	77	73	70	76	72	69	75	72	69	75	71	69	69	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	395130	395130	395130
5°	392508	393096	395222
10°	381884	379016	385347
15°	332722	336145	341369
20°	221635	222753	224879
25°	80571	83042	80970
30°	17102	22949	17102
35°	6034	10197	5740
40°	2158	3215	2158
45°	487	1340	487
50°	375	536	375
55°	420	420	420
60°	482	482	482
65°	285	571	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: 1340 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.4	22.1
10°-20°	499.6	51.4
20°-30°	224.9	23.2
30°-40°	25.6	2.6
40°-50°	3.7	0.4
50°-60°	1.3	0.1
60°-70°	1.1	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°	938.8	96.7
0°-40°	964.4	99.3
0°-60°	969.3	99.8
0°-90°	971.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	971.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2294	2294	2294	2294	2294	
5°	2270	2268	2274	2284	2286	214
15°	1866	1871	1885	1900	1915	496
25°	424	427	437	437	426	220
35°	29	32	48	31	27	21
45°	2	3	6	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°	2294.3	2294.3	2294.3	2294.3	2294.3
1°	2295.6	2293.6	2292.9	2297.0	2293.6
2°	2293.6	2292.2	2292.9	2297.0	2294.3
3°	2287.4	2288.1	2290.2	2297.7	2297.0
4°	2279.9	2279.3	2283.3	2292.9	2292.9
5°	2270.4	2267.6	2273.8	2284.0	2286.1
6°	2259.4	2256.0	2260.8	2273.8	2278.6
7°	2247.2	2240.3	2244.4	2260.1	2266.3
8°	2230.8	2221.9	2226.7	2242.4	2247.2
9°	2210.3	2196.6	2200.7	2219.8	2229.4
10°	2183.7	2166.6	2167.3	2188.4	2203.5
11°	2146.1	2127.0	2127.7	2154.3	2170.0
12°	2096.3	2079.2	2082.6	2107.2	2132.4
13°	2028.7	2023.9	2028.0	2054.6	2077.8
14°	1963.1	1958.3	1965.8	1990.4	2001.3
15°	1866.1	1870.9	1885.3	1900.3	1914.6
17.5°	1558.9	1577.3	1594.4	1604.6	1616.9
20°	1209.3	1188.1	1215.4	1203.1	1227.0
22.5°	780.5	796.2	803.0	796.2	798.9
25°	424.0	426.8	437.0	437.0	426.1
27.5°	180.3	194.6	207.6	202.8	180.3
30°	86.0	99.0	115.4	99.7	86.0
32.5°	48.5	57.4	74.4	56.0	47.1
35°	28.7	32.1	48.5	30.7	27.3
37.5°	17.1	17.8	26.6	18.4	16.4
40°	9.6	11.6	14.3	11.6	9.6
42.5°	4.8	6.8	8.9	6.8	4.8
45°	2.0	3.4	5.5	3.4	2.0
47.5°	2.0	2.0	3.4	2.0	2.0
50°	1.4	1.4	2.0	1.4	1.4
52.5°	1.4	1.4	1.4	1.4	1.4
55°	1.4	1.4	1.4	1.4	1.4
57.5°	1.4	1.4	1.4	1.4	1.4
60°	1.4	1.4	1.4	1.4	1.4
62.5°	1.4	1.4	1.4	1.4	1.4
65°	0.7	1.4	1.4	1.4	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)