

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: P1317678

Luminaire Tested: LDSQA3D17R509827DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317678
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R509827DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

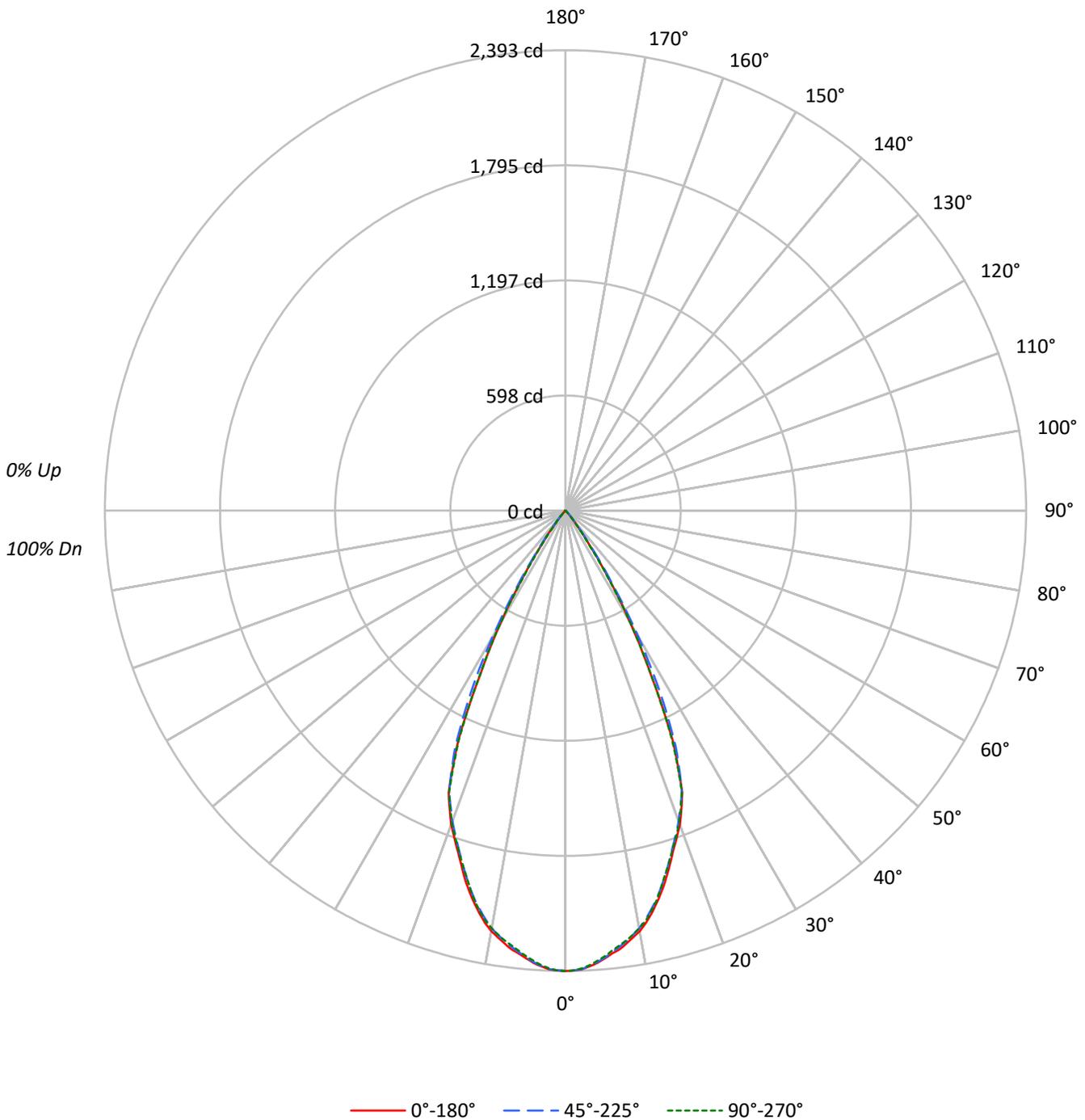
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1542.0 lumens
Efficiency: N/A
Efficacy: 75.6 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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				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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	412094	412094	412094
5°	404004	403261	402120
10°	388197	385522	385714
15°	356364	353048	352656
20°	318368	314959	316572
25°	250227	257505	248137
30°	133876	149984	134314
35°	43731	51090	41187
40°	10836	13534	10342
45°	1340	4798	1340
50°	884	1474	884
55°	991	991	991
60°	758	758	758
65°	897	897	897
70°	554	554	554
75°	732	732	732
80°	1091	1091	1091
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 4798 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.8	14.2
10°-20°	553.4	35.9
20°-30°	582.0	37.7
30°-40°	167.7	10.9
40°-50°	13.6	0.9
50°-60°	3.0	0.2
60°-70°	2.1	0.1
70°-80°	1.2	0.1
80°-90°	0.3	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°	1354.2	87.8
0°-40°	1521.9	98.7
0°-60°	1538.5	99.8
0°-90°	1542.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1542.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2393	2393	2393	2393	2393	
5°	2337	2336	2333	2335	2326	219
15°	1999	1986	1980	1980	1978	557
25°	1317	1350	1355	1340	1306	571
35°	208	216	243	208	196	161
45°	6	11	20	11	6	10
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
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°	2392.8	2392.8	2392.8	2392.8	2392.8
1°	2391.7	2393.9	2389.5	2397.1	2390.6
2°	2386.2	2387.3	2385.1	2390.6	2381.8
3°	2373.1	2375.2	2370.9	2375.2	2367.6
4°	2357.7	2357.7	2353.4	2356.6	2346.8
5°	2336.9	2335.8	2332.6	2334.7	2326.0
6°	2315.0	2314.0	2308.5	2308.5	2301.9
7°	2298.6	2291.0	2286.6	2285.5	2278.9
8°	2272.4	2270.2	2261.4	2261.4	2257.0
9°	2246.1	2243.9	2234.0	2236.2	2233.0
10°	2219.8	2212.2	2204.5	2205.6	2205.6
11°	2184.8	2178.2	2167.3	2171.7	2173.8
12°	2143.2	2135.5	2125.7	2134.4	2133.3
13°	2097.2	2090.7	2083.0	2089.6	2087.4
14°	2049.1	2039.2	2032.6	2037.0	2034.8
15°	1998.7	1985.6	1980.1	1980.1	1977.9
17.5°	1857.5	1849.8	1844.4	1841.1	1848.8
20°	1737.1	1730.5	1718.5	1721.8	1727.3
22.5°	1586.1	1585.0	1578.4	1572.9	1579.5
25°	1316.8	1349.6	1355.1	1339.8	1305.8
27.5°	956.7	1033.3	1060.7	1024.5	962.1
30°	673.2	709.3	754.2	683.0	675.4
32.5°	406.1	415.9	457.5	408.3	397.3
35°	208.0	215.6	243.0	208.0	195.9
37.5°	97.4	101.8	112.7	97.4	90.9
40°	48.2	53.6	60.2	50.4	46.0
42.5°	20.8	27.4	35.0	26.3	18.6
45°	5.5	10.9	19.7	10.9	5.5
47.5°	3.3	4.4	10.9	4.4	3.3
50°	3.3	3.3	5.5	3.3	3.3
52.5°	3.3	3.3	3.3	3.3	3.3
55°	3.3	3.3	3.3	3.3	3.3
57.5°	3.3	3.3	3.3	3.3	3.3
60°	2.2	3.3	2.2	3.3	2.2
62.5°	2.2	2.2	2.2	2.2	2.2
65°	2.2	2.2	2.2	2.2	2.2
67.5°	2.2	2.2	2.2	2.2	2.2
70°	1.1	1.1	1.1	1.1	1.1
72.5°	1.1	1.1	1.1	1.1	1.1
75°	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.1	1.1	1.1
80°	1.1	1.1	1.1	1.1	1.1
82.5°	0.0	1.1	0.0	1.1	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)