

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: P1317677

Luminaire Tested: LDSQA3D17R509827DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317677
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R509827DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

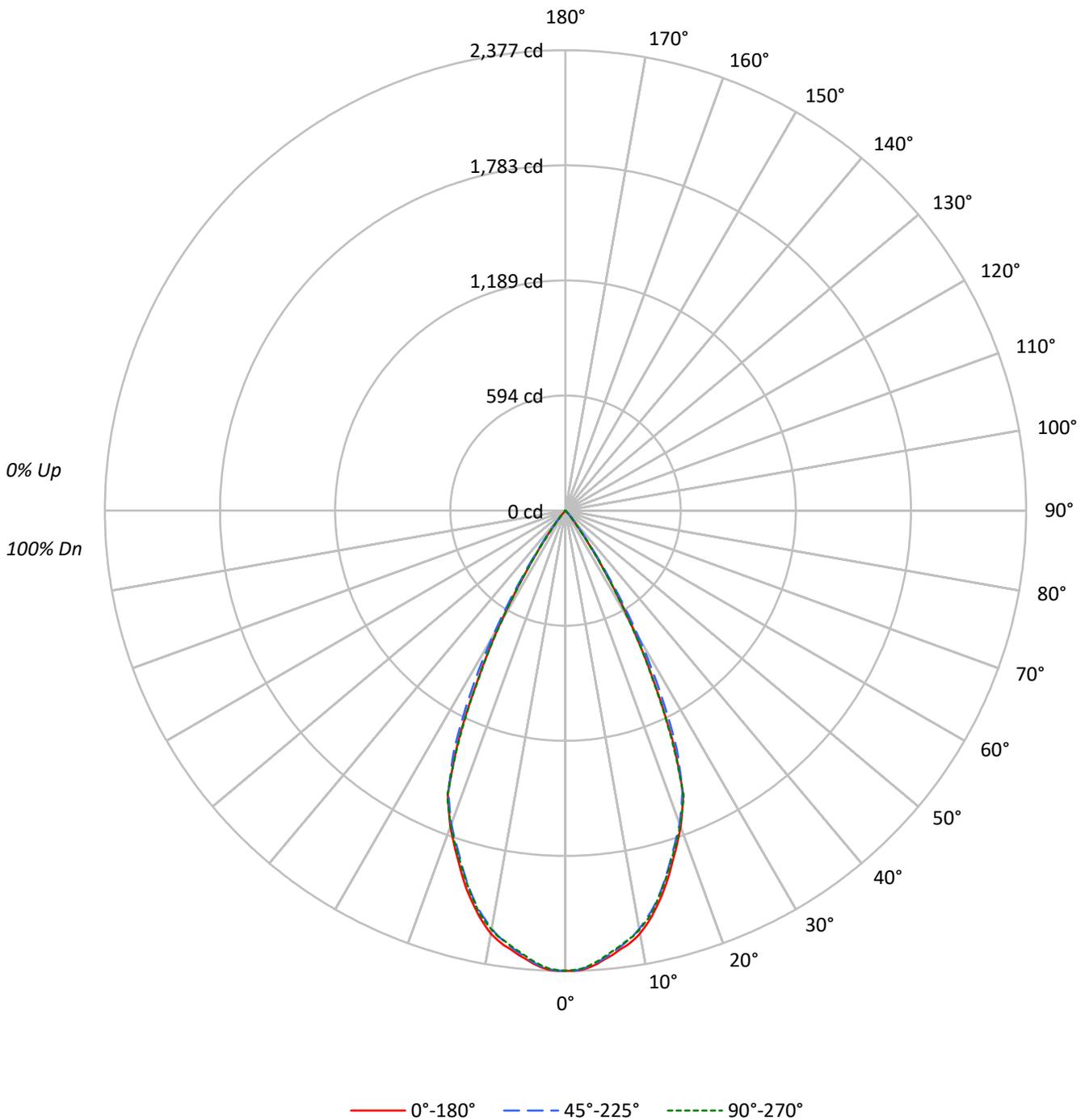
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1530.0 lumens
Efficiency: N/A
Efficacy: 75.0 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				
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	110	108	106	106	104	102	102	101	99	98	97	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	409201	409201	409201
5°	402051	400910	399786
10°	387760	383546	384315
15°	356703	352210	353191
20°	318515	315509	317323
25°	247890	258303	245191
30°	134274	149945	131888
35°	42343	50396	41418
40°	9353	13040	8858
45°	268	3994	268
50°	0	589	0
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: 45°
 Vertical Angle: 45°
 Luminance: 3994 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.7	14.2
10°-20°	553.1	36.1
20°-30°	582.5	38.1
30°-40°	166.4	10.9
40°-50°	10.3	0.7
50°-60°	0.1	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°	1353.3	88.4
0°-40°	1519.6	99.3
0°-60°	1530.0	100.0
0°-90°	1530.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1530.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2376	2376	2376	2376	2376	
5°	2326	2323	2319	2317	2312	219
15°	2001	1987	1975	1979	1981	557
25°	1304	1353	1359	1344	1290	571
35°	201	216	240	204	197	157
45°	1	6	16	6	1	6
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°	2376.0	2376.0	2376.0	2376.0	2376.0
1°	2377.1	2378.1	2376.0	2378.1	2372.7
2°	2373.8	2371.6	2369.4	2370.5	2367.2
3°	2361.7	2360.6	2356.3	2357.4	2353.0
4°	2346.4	2343.1	2339.8	2337.7	2333.3
5°	2325.6	2323.4	2319.0	2316.9	2312.5
6°	2308.1	2303.7	2296.1	2293.9	2289.5
7°	2285.1	2282.9	2273.1	2270.9	2268.7
8°	2267.6	2261.0	2249.0	2250.1	2244.6
9°	2244.6	2235.9	2223.8	2223.8	2224.9
10°	2217.3	2204.1	2193.2	2196.5	2197.6
11°	2181.2	2172.4	2156.0	2163.6	2163.6
12°	2141.8	2130.8	2118.8	2125.3	2129.7
13°	2095.8	2087.0	2076.1	2082.7	2080.5
14°	2050.9	2034.5	2026.8	2035.6	2032.3
15°	2000.6	1987.4	1975.4	1978.7	1980.9
17.5°	1866.0	1851.7	1843.0	1844.1	1853.9
20°	1737.9	1732.4	1721.5	1725.9	1731.4
22.5°	1586.9	1589.1	1575.9	1579.2	1592.4
25°	1304.5	1352.7	1359.3	1343.9	1290.3
27.5°	966.4	1038.6	1060.5	1025.5	959.8
30°	675.2	694.9	754.0	687.3	663.2
32.5°	396.2	425.7	457.5	411.5	395.1
35°	201.4	215.6	239.7	203.6	197.0
37.5°	93.0	99.6	109.4	93.0	87.6
40°	41.6	49.2	58.0	47.1	39.4
42.5°	13.1	23.0	30.6	20.8	12.0
45°	1.1	5.5	16.4	5.5	1.1
47.5°	0.0	1.1	6.6	1.1	0.0
50°	0.0	0.0	2.2	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
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)