

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: P1317514

Luminaire Tested: LDSQA3D13R409827DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317514
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: LDSQA3D13R409827DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

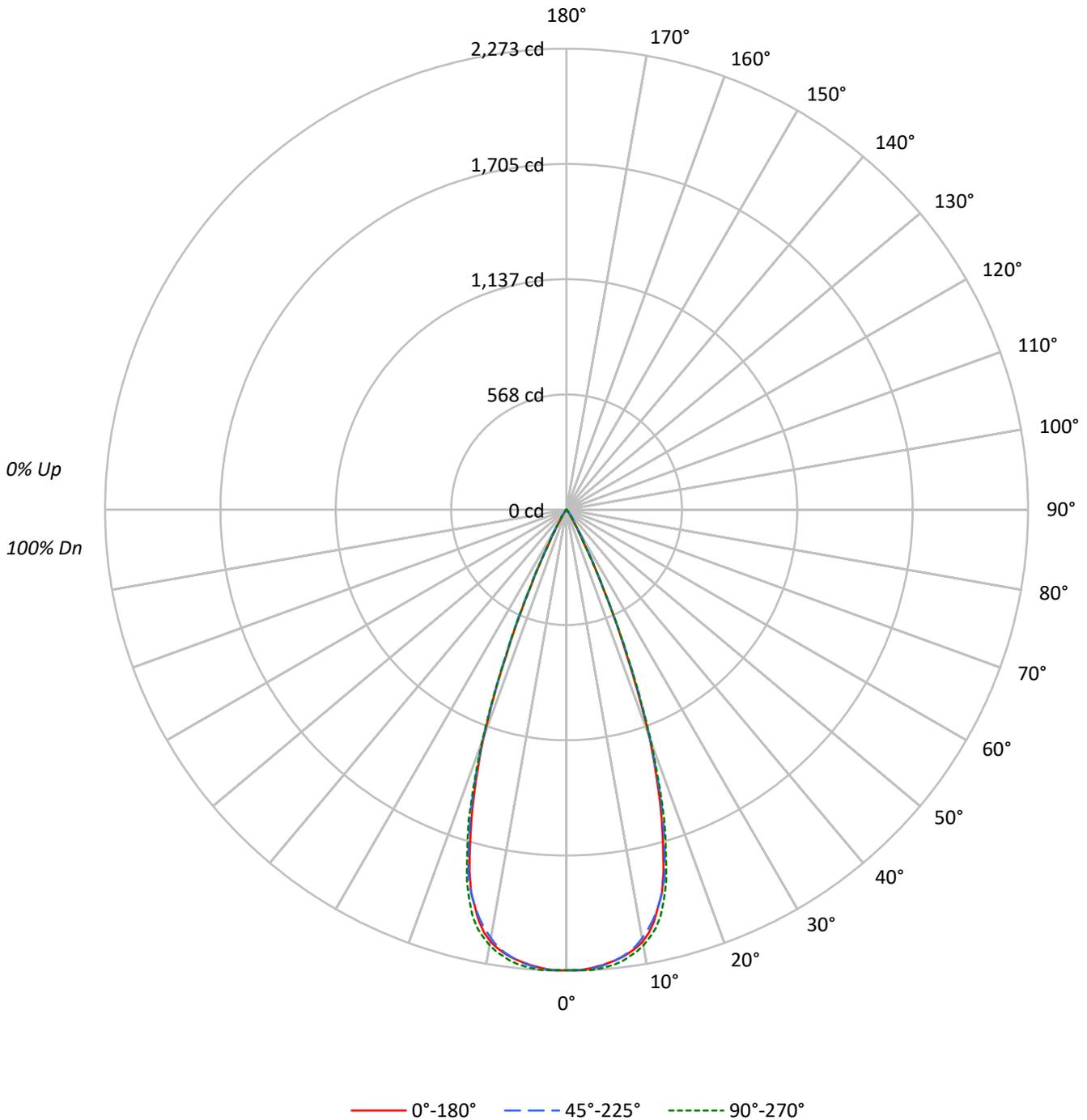
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 961.1 lumens
Efficiency: N/A
Efficacy: 66.3 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): 14.5
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	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	72	70	76	72	69	75	72	69	75	71	69	69	69	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	391049	391049	391049
5°	388462	389050	391142
10°	377949	375099	381377
15°	329299	332668	337857
20°	219344	220462	222570
25°	79754	82187	80134
30°	16923	22710	16923
35°	5971	10092	5677
40°	2136	3192	2136
45°	487	1315	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: 1315 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.2	22.1
10°-20°	494.5	51.4
20°-30°	222.5	23.2
30°-40°	25.3	2.6
40°-50°	3.6	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°	929.2	96.7
0°-40°	954.5	99.3
0°-60°	959.4	99.8
0°-90°	961.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	961.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2271	2271	2271	2271	2271	
5°	2247	2244	2250	2260	2262	212
15°	1847	1852	1866	1881	1895	490
25°	420	422	432	432	422	217
35°	28	32	48	30	27	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°	2270.6	2270.6	2270.6	2270.6	2270.6
1°	2272.0	2270.0	2269.3	2273.3	2270.0
2°	2270.0	2268.6	2269.3	2273.3	2270.6
3°	2263.9	2264.6	2266.6	2274.0	2273.3
4°	2256.5	2255.8	2259.8	2269.3	2269.3
5°	2247.0	2244.3	2250.4	2260.5	2262.5
6°	2236.2	2232.8	2237.5	2250.4	2255.1
7°	2224.0	2217.3	2221.3	2236.9	2242.9
8°	2207.8	2199.0	2203.7	2219.3	2224.0
9°	2187.5	2174.0	2178.1	2197.0	2206.4
10°	2161.2	2144.3	2144.9	2165.9	2180.8
11°	2124.0	2105.1	2105.8	2132.1	2147.7
12°	2074.7	2057.8	2061.2	2085.5	2110.5
13°	2007.8	2003.0	2007.1	2033.4	2056.4
14°	1942.9	1938.2	1945.6	1969.9	1980.7
15°	1846.9	1851.7	1865.8	1880.7	1894.9
17.5°	1542.8	1561.1	1578.0	1588.1	1600.3
20°	1196.8	1175.9	1202.9	1190.7	1214.4
22.5°	772.4	788.0	794.7	788.0	790.7
25°	419.7	422.4	432.5	432.5	421.7
27.5°	178.4	192.6	205.4	200.7	178.4
30°	85.1	98.0	114.2	98.7	85.1
32.5°	48.0	56.8	73.7	55.4	46.6
35°	28.4	31.8	48.0	30.4	27.0
37.5°	16.9	17.6	26.4	18.2	16.2
40°	9.5	11.5	14.2	11.5	9.5
42.5°	4.7	6.8	8.8	6.8	4.7
45°	2.0	3.4	5.4	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)