

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: P1318390

Luminaire Tested: LDSQA3D13R409830DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318390
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: LDSQA3D13R409830DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

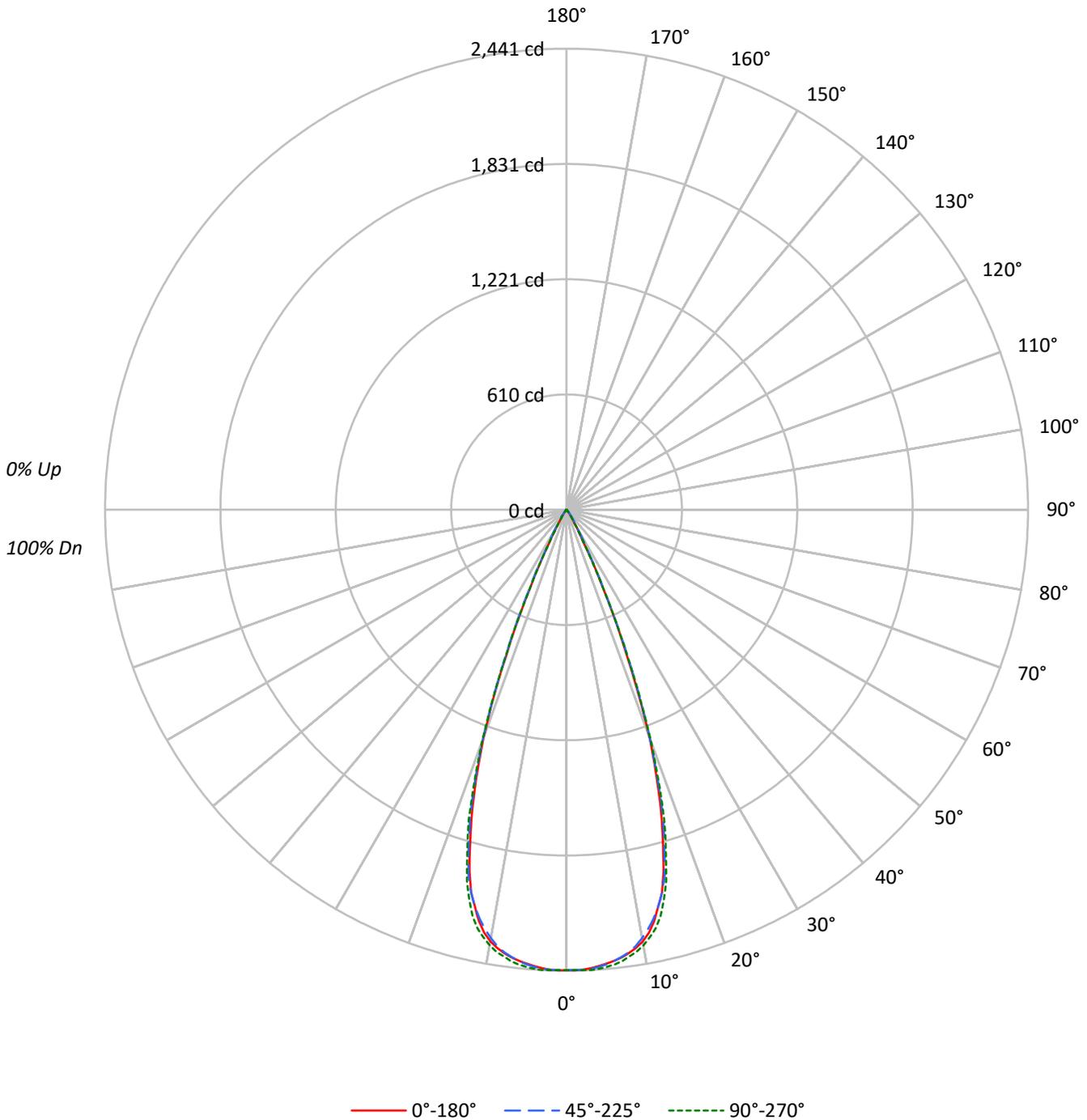
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1032.0 lumens
Efficiency: N/A
Efficacy: 71.2 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	73	70	76	72	69	75	72	69	75	71	69	69	69	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	419948	419948	419948
5°	417161	417783	420048
10°	405860	402817	409550
15°	353636	357256	362819
20°	235546	236755	239010
25°	85645	88267	86044
30°	18176	24381	18176
35°	6412	10828	6097
40°	2293	3417	2293
45°	536	1413	536
50°	402	589	402
55°	450	450	450
60°	517	517	517
65°	285	611	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: 1413 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.8	22.1
10°-20°	531.0	51.4
20°-30°	239.0	23.2
30°-40°	27.2	2.6
40°-50°	3.9	0.4
50°-60°	1.4	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°	997.8	96.7
0°-40°	1025.0	99.3
0°-60°	1030.3	99.8
0°-90°	1032.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1032.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2438	2438	2438	2438	2438	
5°	2413	2410	2417	2428	2430	228
15°	1983	1988	2004	2020	2035	527
25°	451	454	464	464	453	233
35°	30	34	52	33	29	23
45°	2	4	6	4	2	3
55°	2	2	2	2	2	1
65°	1	2	2	2	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°	2438.4	2438.4	2438.4	2438.4	2438.4
1°	2439.9	2437.7	2437.0	2441.3	2437.7
2°	2437.7	2436.2	2437.0	2441.3	2438.4
3°	2431.1	2431.9	2434.0	2442.0	2441.3
4°	2423.2	2422.4	2426.8	2437.0	2437.0
5°	2413.0	2410.1	2416.6	2427.5	2429.7
6°	2401.4	2397.8	2402.8	2416.6	2421.7
7°	2388.3	2381.1	2385.4	2402.1	2408.6
8°	2370.9	2361.5	2366.6	2383.2	2388.3
9°	2349.1	2334.6	2339.0	2359.3	2369.5
10°	2320.8	2302.7	2303.4	2325.9	2341.9
11°	2280.9	2260.6	2261.3	2289.6	2306.3
12°	2227.9	2209.8	2213.4	2239.6	2266.4
13°	2156.1	2151.0	2155.4	2183.7	2208.4
14°	2086.4	2081.4	2089.3	2115.5	2127.1
15°	1983.4	1988.5	2003.7	2019.7	2034.9
17.5°	1656.8	1676.4	1694.5	1705.4	1718.5
20°	1285.2	1262.7	1291.8	1278.7	1304.1
22.5°	829.5	846.2	853.4	846.2	849.1
25°	450.7	453.6	464.5	464.5	452.8
27.5°	191.6	206.8	220.6	215.5	191.6
30°	91.4	105.2	122.6	106.0	91.4
32.5°	51.5	61.0	79.1	59.5	50.1
35°	30.5	34.1	51.5	32.7	29.0
37.5°	18.1	18.9	28.3	19.6	17.4
40°	10.2	12.3	15.2	12.3	10.2
42.5°	5.1	7.3	9.4	7.3	5.1
45°	2.2	3.6	5.8	3.6	2.2
47.5°	2.2	2.2	3.6	2.2	2.2
50°	1.5	1.5	2.2	1.5	1.5
52.5°	1.5	1.5	1.5	1.5	1.5
55°	1.5	1.5	1.5	1.5	1.5
57.5°	1.5	1.5	1.5	1.5	1.5
60°	1.5	1.5	1.5	1.5	1.5
62.5°	1.5	1.5	1.5	1.5	1.5
65°	0.7	1.5	1.5	1.5	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)