

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: P1312389

Luminaire Tested: LDSQA3D09R309050DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312389
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R309050DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

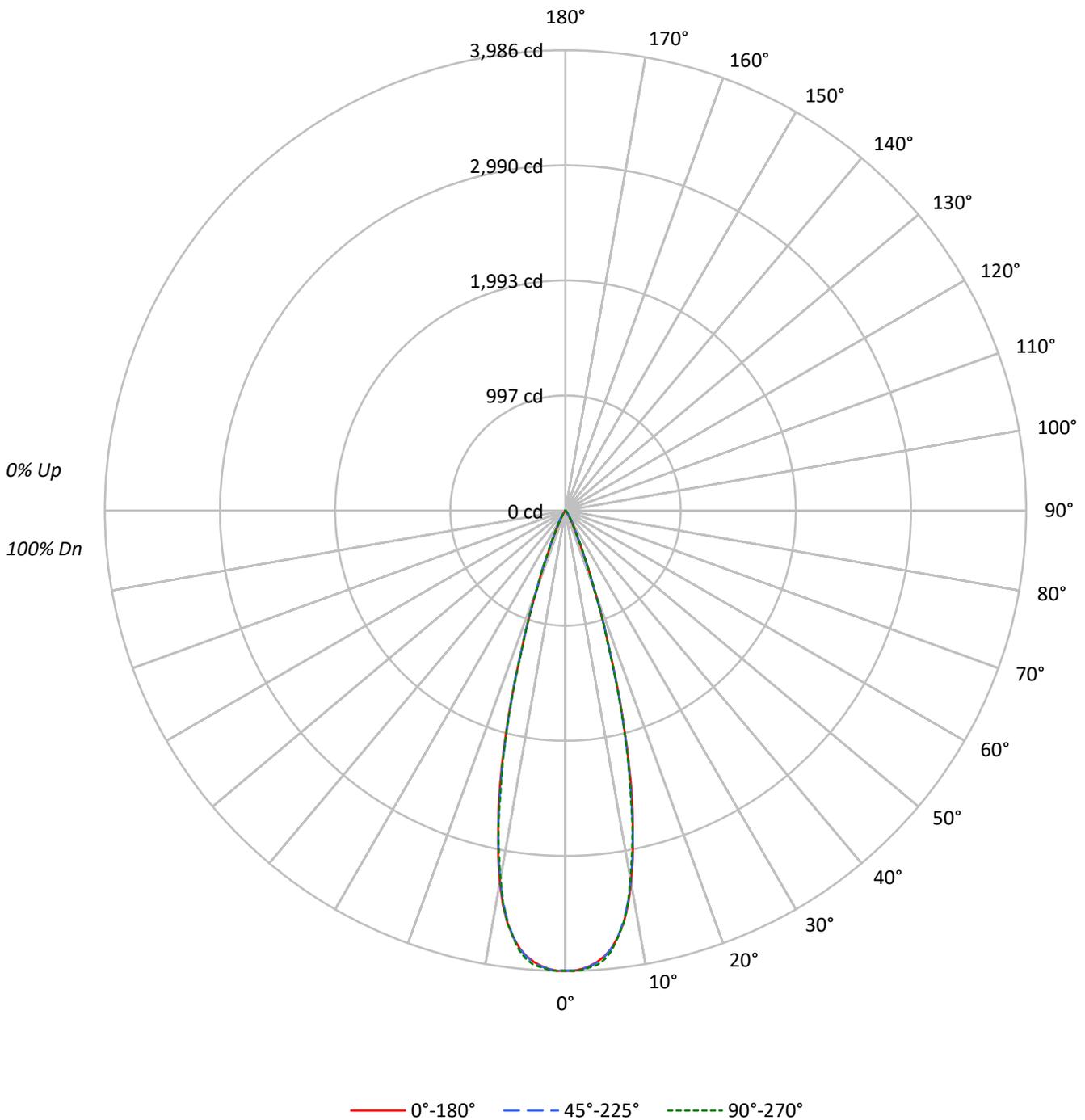
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1028.0 lumens
Efficiency: N/A
Efficacy: 92.6 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
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 (Ain): 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	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	99	99	99	97
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	95	94	94	94
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	92	92	92	91
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	89	89	89	88
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	87	87	87	86
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	84	84	84	83
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	82	82	82	81
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	80	80	80	79
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	78	78	78	77
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	76	76	76	75

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	686135	686135	686135
5°	669411	670223	673957
10°	571716	569058	565700
15°	352816	348680	349963
20°	133351	134084	133938
25°	41027	44979	42851
30°	16526	20980	17162
35°	4878	8914	5046
40°	1978	3597	1978
45°	390	1169	390
50°	0	214	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: 1169 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	351.4	34.2
10°-20°	520.3	50.6
20°-30°	129.1	12.6
30°-40°	24.2	2.4
40°-50°	3.1	0.3
50°-60°	0.0	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°	1000.7	97.3
0°-40°	1024.9	99.7
0°-60°	1028.0	100.0
0°-90°	1028.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1028.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3984	3984	3984	3984	3984	
5°	3872	3870	3877	3883	3898	352
15°	1979	1960	1956	1971	1963	523
25°	216	230	237	236	226	124
35°	23	30	42	31	24	19
45°	2	2	5	3	2	2
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°	3984.0	3984.0	3984.0	3984.0	3984.0
1°	3985.6	3982.4	3982.4	3977.6	3986.4
2°	3971.2	3968.0	3973.6	3969.6	3980.8
3°	3949.6	3945.6	3953.6	3956.0	3961.6
4°	3917.6	3914.4	3923.2	3928.0	3943.2
5°	3872.1	3870.5	3876.8	3883.2	3898.4
6°	3809.7	3807.3	3811.3	3819.3	3828.9
7°	3719.3	3714.5	3717.7	3719.3	3721.7
8°	3605.0	3597.8	3593.8	3602.6	3607.4
9°	3457.9	3449.9	3441.1	3437.9	3449.1
10°	3269.2	3257.2	3254.0	3246.0	3234.8
11°	3050.1	3040.6	3038.2	3023.8	3017.4
12°	2799.1	2794.3	2799.9	2791.1	2787.9
13°	2558.4	2528.1	2524.1	2507.3	2498.5
14°	2273.8	2245.8	2245.0	2236.2	2248.2
15°	1978.8	1959.6	1955.6	1970.8	1962.8
17.5°	1261.6	1274.4	1271.2	1263.2	1249.6
20°	727.6	718.8	731.6	734.8	730.8
22.5°	387.8	391.0	393.4	403.0	409.4
25°	215.9	230.3	236.7	235.9	225.5
27.5°	134.3	143.1	155.1	147.1	138.3
30°	83.1	90.3	105.5	91.1	86.3
32.5°	44.8	56.8	68.0	56.8	46.4
35°	23.2	30.4	42.4	31.2	24.0
37.5°	15.2	17.6	27.2	17.6	15.2
40°	8.8	11.2	16.0	11.2	8.8
42.5°	4.0	6.4	8.8	6.4	4.0
45°	1.6	2.4	4.8	3.2	1.6
47.5°	0.0	0.8	2.4	0.8	0.0
50°	0.0	0.0	0.8	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)