

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: P1309076

Luminaire Tested: LDSQA3D09R309030DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309076
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: LDSQA3D09R309030DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

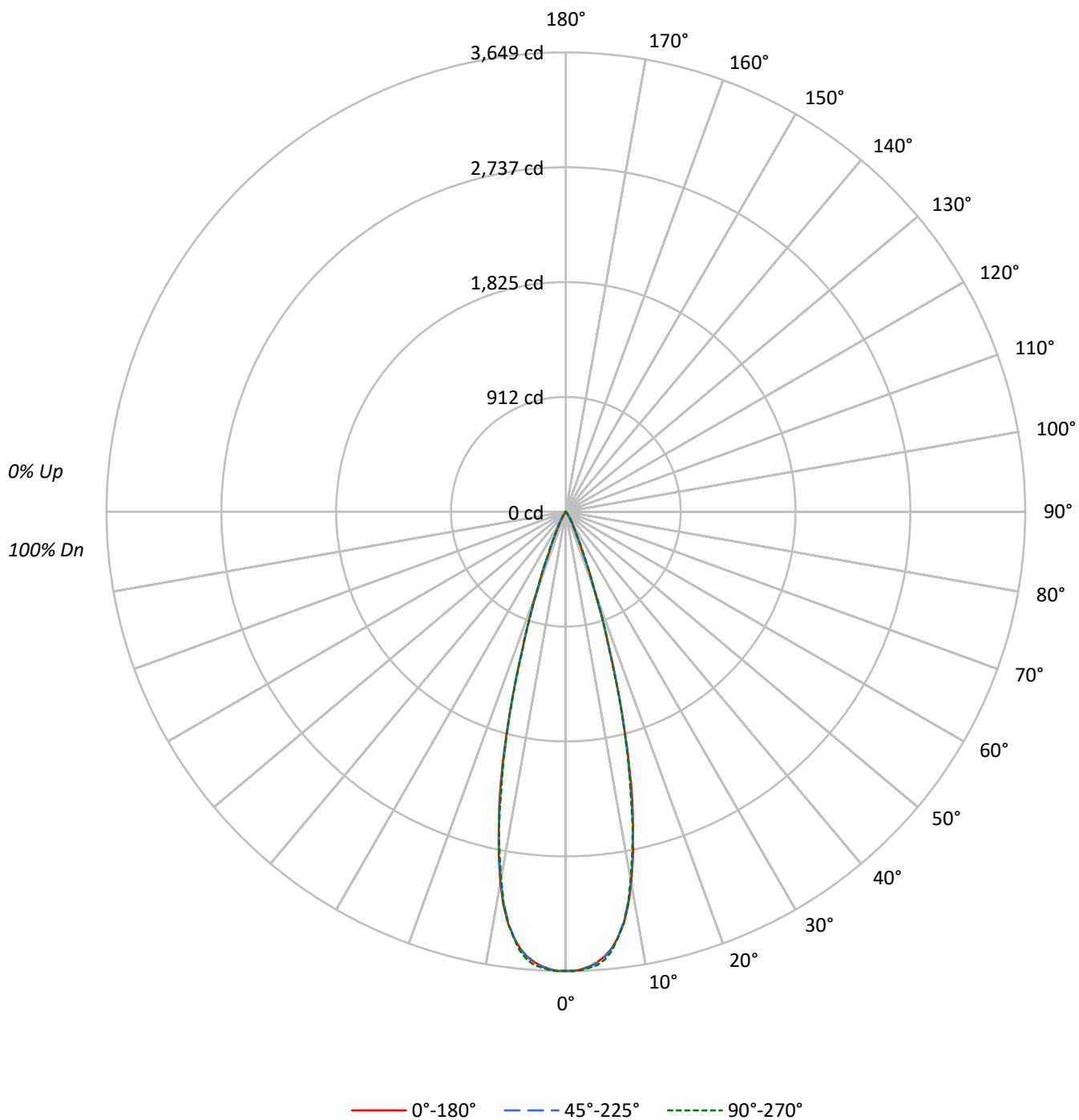
Lumens per Lamp: N/A
Luminaire Lumens: 941.0 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	99
1	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97	96	95
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	94	93	92
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91	90	89
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	86	85	84
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83	82	81
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	81	80	79
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	79	78	77
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	76	75
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75	74	73

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	628062	628062	628062
5°	612758	613501	616924
10°	523327	520896	517836
15°	322951	319171	320348
20°	122061	122721	122593
25°	37549	41160	39222
30°	15134	19210	15710
35°	4457	8158	4625
40°	1821	3282	1821
45°	365	1072	365
50°	0	188	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: 1072 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	321.6	34.2
10°-20°	476.2	50.6
20°-30°	118.1	12.6
30°-40°	22.2	2.4
40°-50°	2.8	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°	916.0	97.3
0°-40°	938.2	99.7
0°-60°	941.0	100.0
0°-90°	941.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	941.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3647	3647	3647	3647	3647	
5°	3544	3543	3549	3555	3568	322
15°	1811	1794	1790	1804	1797	479
25°	198	211	217	216	206	114
35°	21	28	39	28	22	18
45°	2	2	4	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3646.8	3646.8	3646.8	3646.8	3646.8
1°	3648.3	3645.4	3645.4	3641.0	3649.0
2°	3635.1	3632.2	3637.3	3633.6	3643.9
3°	3615.3	3611.7	3619.0	3621.2	3626.3
4°	3586.1	3583.1	3591.2	3595.6	3609.5
5°	3544.4	3542.9	3548.7	3554.6	3568.5
6°	3487.3	3485.1	3488.7	3496.1	3504.8
7°	3404.6	3400.2	3403.1	3404.6	3406.8
8°	3299.9	3293.3	3289.7	3297.7	3302.1
9°	3165.3	3157.9	3149.9	3147.0	3157.2
10°	2992.5	2981.6	2978.6	2971.3	2961.1
11°	2792.0	2783.2	2781.0	2767.9	2762.0
12°	2562.2	2557.8	2562.9	2554.9	2552.0
13°	2341.9	2314.1	2310.5	2295.1	2287.0
14°	2081.4	2055.8	2055.0	2047.0	2058.0
15°	1811.3	1793.8	1790.1	1804.0	1796.7
17.5°	1154.9	1166.6	1163.6	1156.3	1143.9
20°	666.0	657.9	669.6	672.6	668.9
22.5°	354.9	357.9	360.1	368.9	374.7
25°	197.6	210.8	216.6	215.9	206.4
27.5°	123.0	131.0	142.0	134.7	126.6
30°	76.1	82.7	96.6	83.4	79.0
32.5°	41.0	52.0	62.2	52.0	42.4
35°	21.2	27.8	38.8	28.5	22.0
37.5°	13.9	16.1	24.9	16.1	13.9
40°	8.1	10.2	14.6	10.2	8.1
42.5°	3.7	5.9	8.1	5.9	3.7
45°	1.5	2.2	4.4	2.9	1.5
47.5°	0.0	0.7	2.2	0.7	0.0
50°	0.0	0.0	0.7	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)