

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: P1308920

Luminaire Tested: LDSQA3D05R309030DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308920
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: LDSQA3D05R309030DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

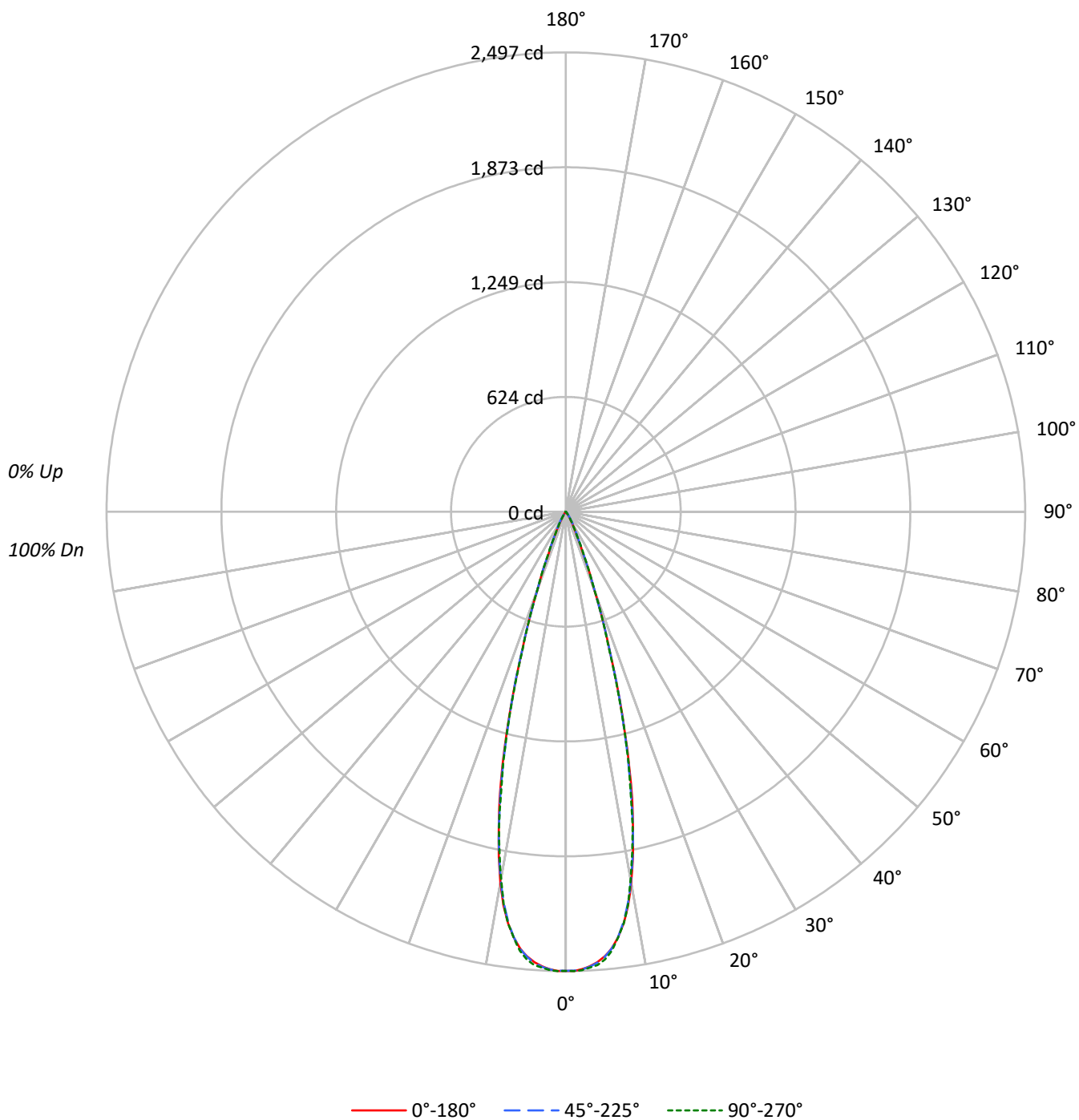
Lumens per Lamp: N/A
Luminaire Lumens: 644.0 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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°	429833	429833	429833
5°	419356	419875	422209
10°	358153	356492	354393
15°	221018	218433	219235
20°	83537	83995	83904
25°	25692	28181	26832
30°	10361	13145	10759
35°	3049	5571	3154
40°	1237	2248	1237
45°	244	731	244
50°	0	134	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: 731 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.1	34.2
10°-20°	325.9	50.6
20°-30°	80.8	12.6
30°-40°	15.2	2.4
40°-50°	1.9	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°	626.9	97.3
0°-40°	642.1	99.7
0°-60°	644.0	100.0
0°-90°	644.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	644.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2496	2496	2496	2496	2496	
5°	2426	2425	2429	2433	2442	220
15°	1240	1228	1225	1235	1230	328
25°	135	144	148	148	141	78
35°	14	19	26	20	15	12
45°	1	2	3	2	1	1
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°	2495.8	2495.8	2495.8	2495.8	2495.8
1°	2496.8	2494.8	2494.8	2491.8	2497.3
2°	2487.8	2485.8	2489.3	2486.8	2493.8
3°	2474.3	2471.8	2476.8	2478.3	2481.8
4°	2454.2	2452.2	2457.7	2460.7	2470.3
5°	2425.7	2424.7	2428.7	2432.7	2442.2
6°	2386.6	2385.1	2387.6	2392.6	2398.6
7°	2330.0	2327.0	2329.0	2330.0	2331.5
8°	2258.4	2253.9	2251.4	2256.9	2259.9
9°	2166.2	2161.2	2155.7	2153.7	2160.7
10°	2048.0	2040.5	2038.5	2033.5	2026.5
11°	1910.8	1904.8	1903.3	1894.3	1890.3
12°	1753.5	1750.5	1754.0	1748.5	1746.5
13°	1602.8	1583.7	1581.2	1570.7	1565.2
14°	1424.5	1406.9	1406.4	1400.9	1408.4
15°	1239.6	1227.6	1225.1	1234.6	1229.6
17.5°	790.4	798.4	796.4	791.4	782.8
20°	455.8	450.3	458.3	460.3	457.8
22.5°	242.9	244.9	246.4	252.4	256.4
25°	135.2	144.2	148.3	147.8	141.2
27.5°	84.1	89.7	97.2	92.2	86.6
30°	52.1	56.6	66.1	57.1	54.1
32.5°	28.0	35.6	42.6	35.6	29.1
35°	14.5	19.0	26.5	19.5	15.0
37.5°	9.5	11.0	17.0	11.0	9.5
40°	5.5	7.0	10.0	7.0	5.5
42.5°	2.5	4.0	5.5	4.0	2.5
45°	1.0	1.5	3.0	2.0	1.0
47.5°	0.0	0.5	1.5	0.5	0.0
50°	0.0	0.0	0.5	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)