

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: P1309409

Luminaire Tested: LDSQA3D17R309030DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309409
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R309030DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

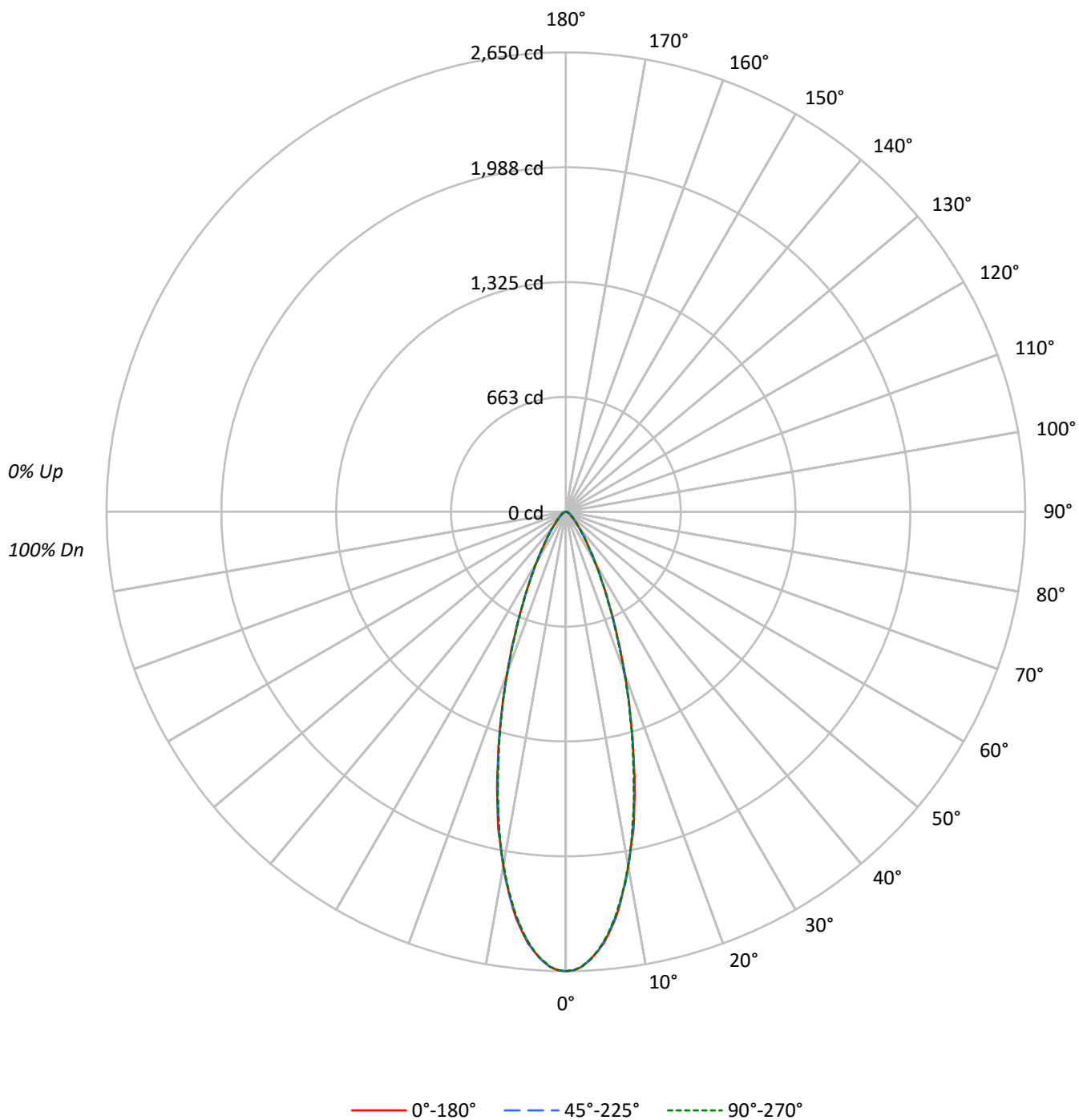
Lumens per Lamp: N/A
Luminaire Lumens: 1164.0 lumens
Efficiency: N/A
Efficacy: 54.9 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	102	102	100
1	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	96	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	90	90	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	84	84	83
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	79	79	78
5	95	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	75	75	74
6	90	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	71	71	70
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	68	68	66
8	83	75	69	66	82	74	69	65	73	68	65	72	68	65	71	67	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	62	62	61
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	456459	456459	456459
5°	432167	431043	430818
10°	363050	363050	361703
15°	270496	269801	268196
20°	181040	180087	180325
25°	111603	111356	111850
30°	67097	67097	67356
35°	41166	41166	41418
40°	26057	26057	26641
45°	17877	18194	18194
50°	13102	13102	13102
55°	10059	10449	10449
60°	8439	8439	8887
65°	7335	7335	7335
70°	6496	7150	7150
75°	5989	5989	5989
80°	5157	5157	5157
85°	2569	2569	2569

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 18194 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.7	19.3
10°-20°	414.9	35.6
20°-30°	275.8	23.7
30°-40°	127.5	11.0
40°-50°	59.2	5.1
50°-60°	31.6	2.7
60°-70°	18.5	1.6
70°-80°	9.8	0.8
80°-90°	2.1	0.2
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°	915.3	78.6
0°-40°	1042.8	89.6
0°-60°	1133.6	97.4
0°-90°	1164.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1164.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2650	2650	2650	2650	2650	
5°	2500	2495	2493	2500	2492	225
15°	1517	1522	1513	1513	1504	416
25°	587	586	586	586	589	276
35°	196	194	196	197	197	127
45°	73	73	75	75	75	59
55°	34	35	35	35	35	31
65°	18	18	18	18	18	18
75°	9	9	9	9	9	10
85°	1	1	1	1	1	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2650.4	2650.4	2650.4	2650.4	2650.4
1°	2645.3	2642.7	2645.3	2649.1	2644.0
2°	2627.3	2624.7	2624.7	2629.8	2624.7
3°	2592.5	2595.1	2593.8	2598.9	2589.9
4°	2548.7	2547.4	2552.6	2555.1	2547.4
5°	2499.8	2494.6	2493.3	2499.8	2492.0
6°	2432.8	2428.9	2426.3	2434.1	2423.8
7°	2360.7	2358.1	2354.2	2356.8	2349.1
8°	2271.8	2270.5	2267.9	2270.5	2261.5
9°	2172.6	2172.6	2177.8	2176.5	2171.3
10°	2076.0	2078.6	2076.0	2078.6	2068.3
11°	1967.9	1967.9	1970.4	1969.1	1970.4
12°	1873.8	1863.5	1861.0	1858.4	1850.7
13°	1752.8	1745.1	1742.5	1745.1	1741.2
14°	1642.0	1636.9	1624.0	1626.6	1621.4
15°	1517.1	1522.3	1513.2	1513.2	1504.2
17.5°	1240.2	1235.1	1237.6	1238.9	1235.1
20°	987.8	985.2	982.6	980.1	983.9
22.5°	767.6	768.9	766.3	763.7	761.1
25°	587.3	586.0	586.0	586.0	588.6
27.5°	445.6	445.6	445.6	446.9	446.9
30°	337.4	334.8	337.4	338.7	338.7
32.5°	252.4	255.0	256.3	256.3	256.3
35°	195.8	194.5	195.8	197.0	197.0
37.5°	149.4	149.4	150.7	150.7	152.0
40°	115.9	115.9	115.9	117.2	118.5
42.5°	91.4	91.4	92.7	92.7	94.0
45°	73.4	73.4	74.7	74.7	74.7
47.5°	59.2	59.2	60.5	60.5	60.5
50°	48.9	48.9	48.9	48.9	48.9
52.5°	41.2	39.9	41.2	41.2	41.2
55°	33.5	34.8	34.8	34.8	34.8
57.5°	28.3	29.6	29.6	29.6	29.6
60°	24.5	24.5	24.5	25.8	25.8
62.5°	20.6	21.9	21.9	21.9	21.9
65°	18.0	18.0	18.0	18.0	18.0
67.5°	15.5	15.5	15.5	15.5	16.7
70°	12.9	12.9	14.2	14.2	14.2
72.5°	11.6	11.6	11.6	11.6	11.6
75°	9.0	9.0	9.0	9.0	9.0
77.5°	6.4	6.4	7.7	7.7	6.4
80°	5.2	5.2	5.2	5.2	5.2
82.5°	3.9	3.9	3.9	3.9	3.9
85°	1.3	1.3	1.3	1.3	1.3
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)