

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: P1323519

Luminaire Tested: LDSQA3D02R559030D2WDE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323519
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R559030D2WDE010 3LSQCA30R 1MB
Description: 3in Adjustable Dim to Warm LED luminaire with, R55 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

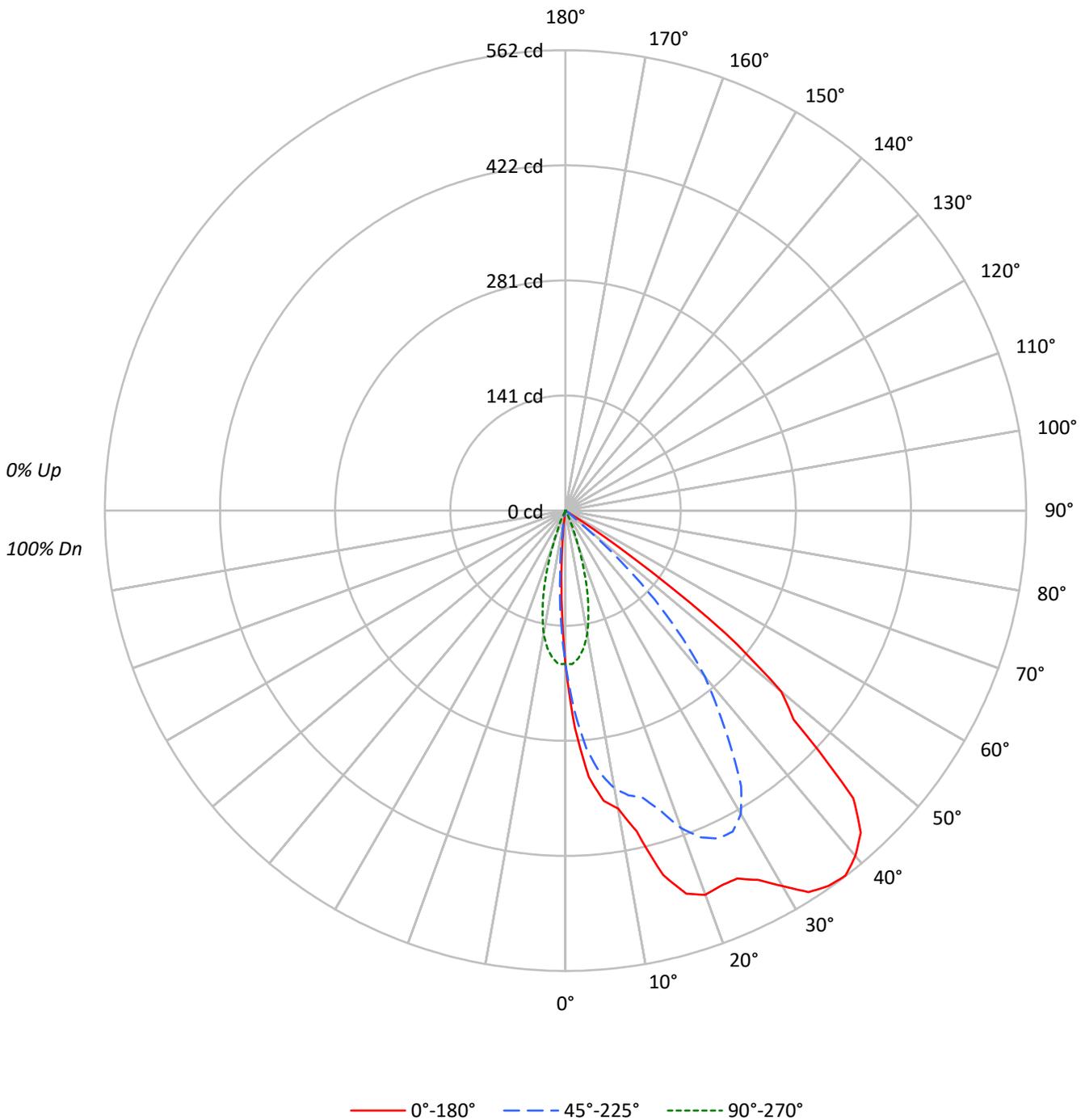
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 346.0 lumens
Efficiency: N/A
Efficacy: 48.1 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
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	0
RW	70	50	30	10	70	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	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82
3	98	91	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	32206	32206	32206	32206	32206
5°	56445	50308	31257	12983	7468
10°	64600	60211	26722	1417	507
15°	82088	64633	18311	285	178
20°	91473	75619	8046	0	0
25°	94158	83916	2280	0	0
30°	105200	85035	318	0	0
35°	117590	73838	0	0	0
40°	123696	59420	0	0	0
45°	120927	37533	0	0	0
50°	92088	7663	0	0	0
55°	30176	0	0	0	0
60°	0	0	0	0	0
65°	0	122	122	0	0
70°	0	151	151	0	0
75°	0	200	200	0	0
80°	0	298	694	298	0
85°	0	593	593	593	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 120927 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.1	4.9
10°-20°	50.1	14.5
20°-30°	81.4	23.5
30°-40°	96.8	28.0
40°-50°	79.1	22.9
50°-60°	21.0	6.1
60°-70°	0.1	0.0
70°-80°	0.2	0.1
80°-90°	0.2	0.1
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°	148.6	42.9
0°-40°	245.3	70.9
0°-60°	345.4	99.8
0°-90°	346.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	346.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	187	187	187	187	187	
5°	326	291	181	75	43	32
15°	460	362	103	2	1	129
25°	496	442	12	0	0	233
35°	559	351	0	0	0	348
45°	496	154	0	0	0	356
55°	100	0	0	0	0	113
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°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	187.0	187.0	187.0	187.0	187.0	187.0	187.0	187.0	187.0	187.0	187.0
2.5°	265.3	263.4	263.7	262.7	263.7	259.5	254.9	250.7	247.4	242.9	215.3
5°	326.5	323.2	322.2	320.9	319.6	314.4	310.2	305.0	298.8	291.0	240.3
7.5°	357.3	354.7	353.4	354.1	351.2	349.2	343.7	337.8	331.3	322.9	259.1
10°	369.4	366.8	366.4	366.1	365.8	364.5	361.9	356.7	350.8	344.3	269.9
12.5°	400.9	395.1	391.2	386.6	381.1	373.9	368.1	363.5	361.2	356.0	274.8
15°	460.4	454.9	450.7	444.8	434.4	419.1	405.1	387.3	371.7	362.5	272.8
17.5°	490.3	487.7	484.2	480.3	473.1	462.0	447.7	428.9	409.0	383.4	263.4
20°	499.1	497.8	495.2	493.6	488.7	480.9	471.1	456.5	438.0	412.6	248.7
22.5°	495.5	496.5	497.8	502.0	502.7	497.2	488.1	474.1	455.2	431.8	226.3
25°	495.5	494.9	494.9	503.7	509.2	506.6	500.1	487.4	468.2	441.6	198.7
27.5°	508.2	504.3	496.2	505.3	514.4	513.4	507.6	492.6	471.1	441.9	164.9
30°	529.0	520.6	507.2	515.7	524.1	520.6	511.1	492.0	464.6	427.6	123.6
32.5°	552.1	548.2	541.4	546.9	545.6	531.3	514.4	487.7	451.3	399.0	83.2
35°	559.3	559.9	555.4	554.4	546.9	532.3	514.4	475.7	423.4	351.2	49.4
37.5°	561.5	561.9	554.7	545.6	534.6	517.3	495.9	451.0	371.7	305.0	26.3
40°	550.2	549.8	538.1	527.1	514.7	497.8	466.6	399.0	322.6	264.3	9.4
42.5°	533.3	529.0	518.0	504.3	489.4	468.2	419.4	336.9	280.3	211.7	0.7
45°	496.5	492.6	483.8	469.2	452.6	422.7	345.6	289.4	227.9	154.1	0.0
47.5°	377.5	375.6	384.7	386.6	386.3	352.1	288.4	236.1	167.5	89.7	0.0
50°	343.7	341.1	332.0	320.3	299.5	270.9	231.2	174.9	98.2	28.6	0.0
52.5°	246.8	255.2	257.2	248.4	228.9	200.6	159.3	100.8	34.1	0.0	0.0
55°	100.5	95.3	99.2	104.0	108.0	99.2	73.5	35.8	0.3	0.0	0.0
57.5°	0.0	0.3	2.0	4.6	7.5	9.4	10.1	0.7	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.3	0.3	0.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	187.0	187.0	187.0	187.0	187.0
2.5°	187.6	158.7	130.7	115.4	108.0
5°	180.8	121.3	75.1	52.0	43.2
7.5°	169.4	83.2	29.9	12.4	8.8
10°	152.8	47.8	8.1	3.3	2.9
12.5°	129.1	21.8	2.9	2.3	2.3
15°	102.7	7.5	1.6	1.3	1.0
17.5°	72.2	2.0	0.7	0.0	0.0
20°	43.9	0.3	0.0	0.0	0.0
22.5°	24.4	0.0	0.0	0.0	0.0
25°	12.0	0.0	0.0	0.0	0.0
27.5°	5.2	0.0	0.0	0.0	0.0
30°	1.6	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	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°	0.3	0.0	0.0	0.0	0.0
65°	0.3	0.3	0.0	0.0	0.0
67.5°	0.3	0.3	0.0	0.0	0.0
70°	0.3	0.3	0.0	0.0	0.0
72.5°	0.3	0.3	0.0	0.0	0.0
75°	0.3	0.3	0.0	0.0	0.0
77.5°	0.7	0.3	0.3	0.0	0.0
80°	0.7	0.3	0.3	0.0	0.0
82.5°	0.7	0.3	0.3	0.0	0.0
85°	0.3	0.3	0.3	0.0	0.0
87.5°	0.7	0.3	0.3	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)