

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: P1309414

Luminaire Tested: LDSQA3D17R359030DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

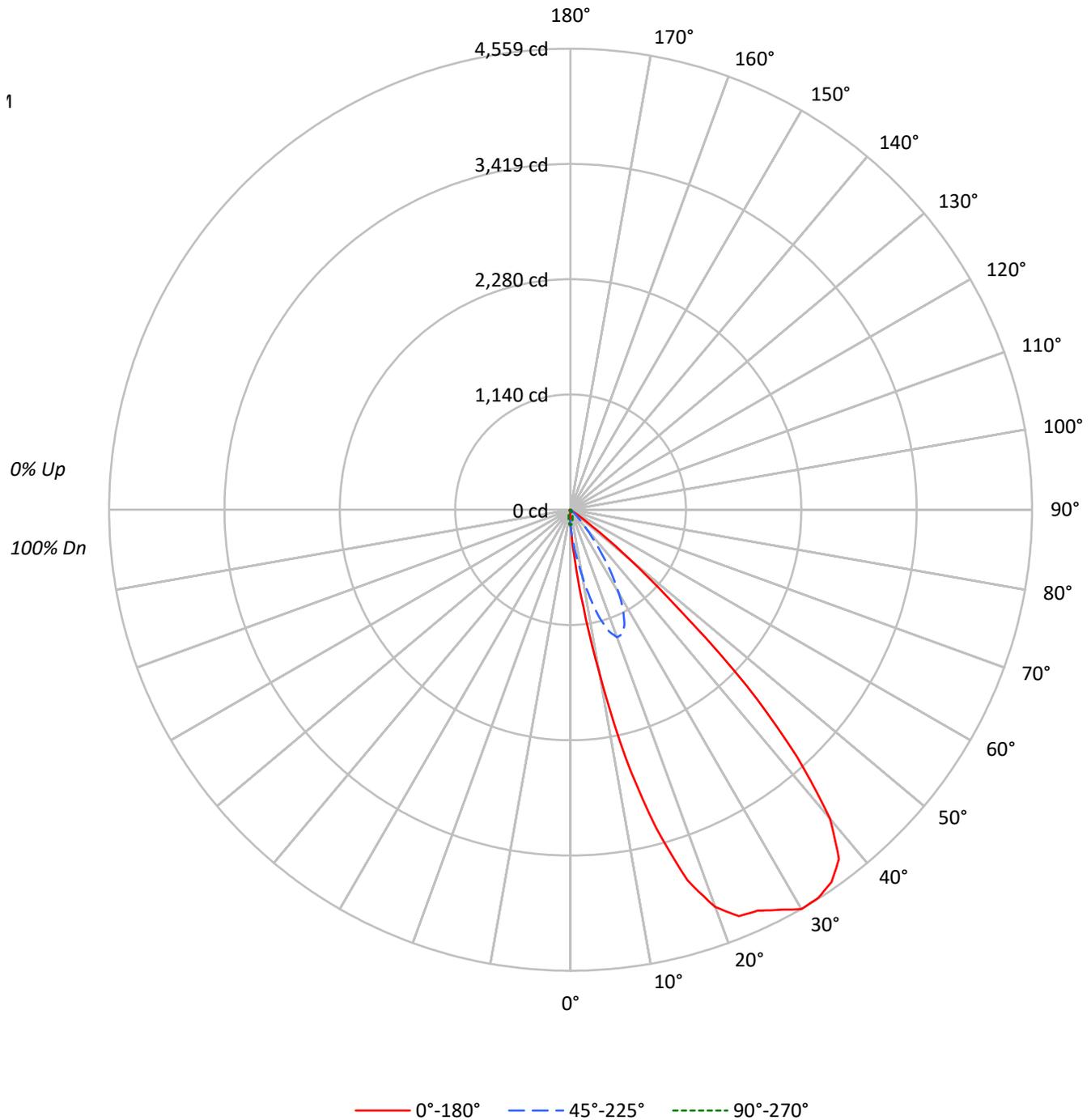
Test Method: LM-79-2019  
Report Number: P1309414  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R359030DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1434.0 lumens  
Efficiency: N/A  
Efficacy: 67.6 lumens/watt  
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25  
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			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	100			100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91			91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83			83
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74			74
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67			67
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61			61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55			55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49			49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45			45
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41			41
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37			37

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	25937	25937	25937	25937	25937
5°	88342	57414	24255	10235	7572
10°	284319	116382	19132	3830	2483
15°	579290	197376	13533	1373	909
20°	766037	245827	8724	477	477
25°	831196	238978	4884	247	494
30°	906708	190454	2048	259	517
35°	944799	118536	547	273	547
40°	896562	51799	292	585	877
45°	598523	20703	317	950	1559
50°	200734	3456	697	1366	2063
55°	11200	390	781	1922	2702
60°	896	448	1343	2204	3100
65°	1060	530	1589	2608	3668
70°	655	655	1964	3223	3877
75°	865	865	2595	3394	4259
80°	0	1289	3868	3868	3868
85°	0	2569	7707	2569	5138

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 598523 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.1	1.8
10°-20°	205.9	14.4
20°-30°	434.7	30.3
30°-40°	493.2	34.4
40°-50°	242.7	16.9
50°-60°	21.0	1.5
60°-70°	4.3	0.3
70°-80°	4.0	0.3
80°-90°	2.0	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°	666.8	46.5
0°-40°	1160.0	80.9
0°-60°	1423.8	99.3
0°-90°	1434.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1434.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	151	151	151	151	151	
5°	511	332	140	59	44	84
15°	3249	1107	76	8	5	924
25°	4374	1258	26	1	3	2035
35°	4494	564	3	1	3	2770
45°	2457	85	1	4	6	1816
55°	37	1	3	6	9	146
65°	3	1	4	6	9	2
75°	1	1	4	5	6	1
85°	0	1	4	1	3	0
90°	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°	150.6	150.6	150.6	150.6	150.6	150.6	150.6	150.6	150.6	150.6	150.6
2.5°	261.3	267.7	265.2	263.9	262.6	257.4	245.9	244.6	233.0	225.3	186.7
5°	511.0	500.7	503.3	489.2	471.1	445.4	428.7	392.6	363.0	332.1	217.5
7.5°	962.9	948.7	921.7	880.5	838.0	782.6	699.0	632.0	554.8	481.4	242.0
10°	1625.8	1618.1	1583.3	1477.8	1385.1	1237.0	1098.0	951.3	807.1	665.5	258.7
12.5°	2511.4	2458.6	2395.6	2255.3	2072.5	1887.1	1612.9	1359.3	1128.9	892.1	260.0
15°	3249.0	3215.5	3126.7	2943.9	2723.8	2456.1	2130.4	1789.3	1441.7	1107.0	247.2
17.5°	3842.4	3790.9	3676.4	3497.5	3243.9	2896.3	2515.3	2099.5	1676.0	1260.2	225.3
20°	4179.7	4152.7	4065.1	3886.2	3609.4	3229.7	2795.9	2311.9	1822.7	1341.3	196.9
22.5°	4349.6	4330.3	4265.9	4123.1	3864.3	3482.0	2985.1	2422.6	1865.2	1332.3	167.3
25°	4374.1	4368.9	4313.6	4205.4	3989.2	3610.7	3067.5	2443.2	1830.5	1257.6	139.0
27.5°	4459.0	4441.0	4375.4	4267.2	4049.7	3632.6	3039.2	2372.4	1718.5	1126.3	115.9
30°	4559.4	4546.6	4480.9	4368.9	4111.5	3612.0	2938.8	2215.4	1539.5	957.7	86.2
32.5°	4551.7	4546.6	4491.2	4372.8	4067.7	3491.0	2759.9	1979.8	1296.3	755.6	54.1
35°	4493.8	4475.8	4406.3	4223.5	3818.0	3179.5	2420.0	1660.6	1025.9	563.8	34.8
37.5°	4354.8	4316.1	4199.0	3888.8	3371.3	2699.4	1970.8	1282.1	726.0	377.2	21.9
40°	3987.9	3939.0	3703.4	3328.8	2786.9	2126.5	1466.2	881.8	478.9	230.4	9.0
42.5°	3308.2	3209.1	2973.5	2588.7	2080.2	1503.5	962.9	571.5	281.9	139.0	2.6
45°	2457.4	2381.4	2134.3	1785.4	1363.2	964.1	583.1	308.9	155.8	85.0	1.3
47.5°	1431.4	1385.1	1257.6	1028.5	753.0	505.9	298.6	166.1	91.4	41.2	1.3
50°	749.2	691.3	594.7	450.5	332.1	233.0	145.5	88.8	45.1	12.9	1.3
52.5°	262.6	258.7	235.6	177.6	144.2	104.3	70.8	38.6	12.9	2.6	1.3
55°	37.3	37.3	34.8	38.6	41.2	37.3	24.5	10.3	2.6	1.3	1.3
57.5°	2.6	2.6	2.6	3.9	5.1	5.1	3.9	1.3	1.3	1.3	2.6
60°	2.6	2.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6
62.5°	2.6	2.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6
65°	2.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6
67.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6
70°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	3.9
72.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	3.9
75°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	3.9
77.5°	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	3.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	2.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	2.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	2.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	2.6
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°	150.6	150.6	150.6	150.6	150.6
2.5°	149.3	119.7	95.3	83.7	79.8
5°	140.3	90.1	59.2	46.3	43.8
7.5°	124.9	64.4	36.0	25.7	24.5
10°	109.4	46.3	21.9	15.4	14.2
12.5°	91.4	32.2	14.2	9.0	7.7
15°	75.9	21.9	7.7	6.4	5.1
17.5°	60.5	14.2	5.1	3.9	5.1
20°	47.6	9.0	2.6	2.6	2.6
22.5°	36.0	5.1	2.6	2.6	2.6
25°	25.7	2.6	1.3	1.3	2.6
27.5°	18.0	1.3	1.3	1.3	2.6
30°	10.3	1.3	1.3	1.3	2.6
32.5°	5.1	1.3	1.3	2.6	2.6
35°	2.6	1.3	1.3	2.6	2.6
37.5°	1.3	1.3	1.3	2.6	3.9
40°	1.3	1.3	2.6	3.9	3.9
42.5°	1.3	1.3	2.6	3.9	5.1
45°	1.3	2.6	3.9	5.1	6.4
47.5°	2.6	2.6	5.1	6.4	7.7
50°	2.6	3.9	5.1	7.7	7.7
52.5°	2.6	3.9	6.4	7.7	9.0
55°	2.6	5.1	6.4	9.0	9.0
57.5°	3.9	5.1	6.4	9.0	9.0
60°	3.9	5.1	6.4	9.0	9.0
62.5°	3.9	5.1	6.4	9.0	9.0
65°	3.9	5.1	6.4	9.0	9.0
67.5°	3.9	5.1	6.4	7.7	9.0
70°	3.9	5.1	6.4	7.7	7.7
72.5°	5.1	5.1	6.4	7.7	7.7
75°	3.9	5.1	5.1	6.4	6.4
77.5°	3.9	3.9	3.9	5.1	5.1
80°	3.9	3.9	3.9	3.9	3.9
82.5°	3.9	2.6	2.6	3.9	3.9
85°	3.9	2.6	1.3	2.6	2.6
87.5°	2.6	2.6	1.3	1.3	1.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)