

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: P1323494

Luminaire Tested: LDSQA3D02R409030D2WDE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

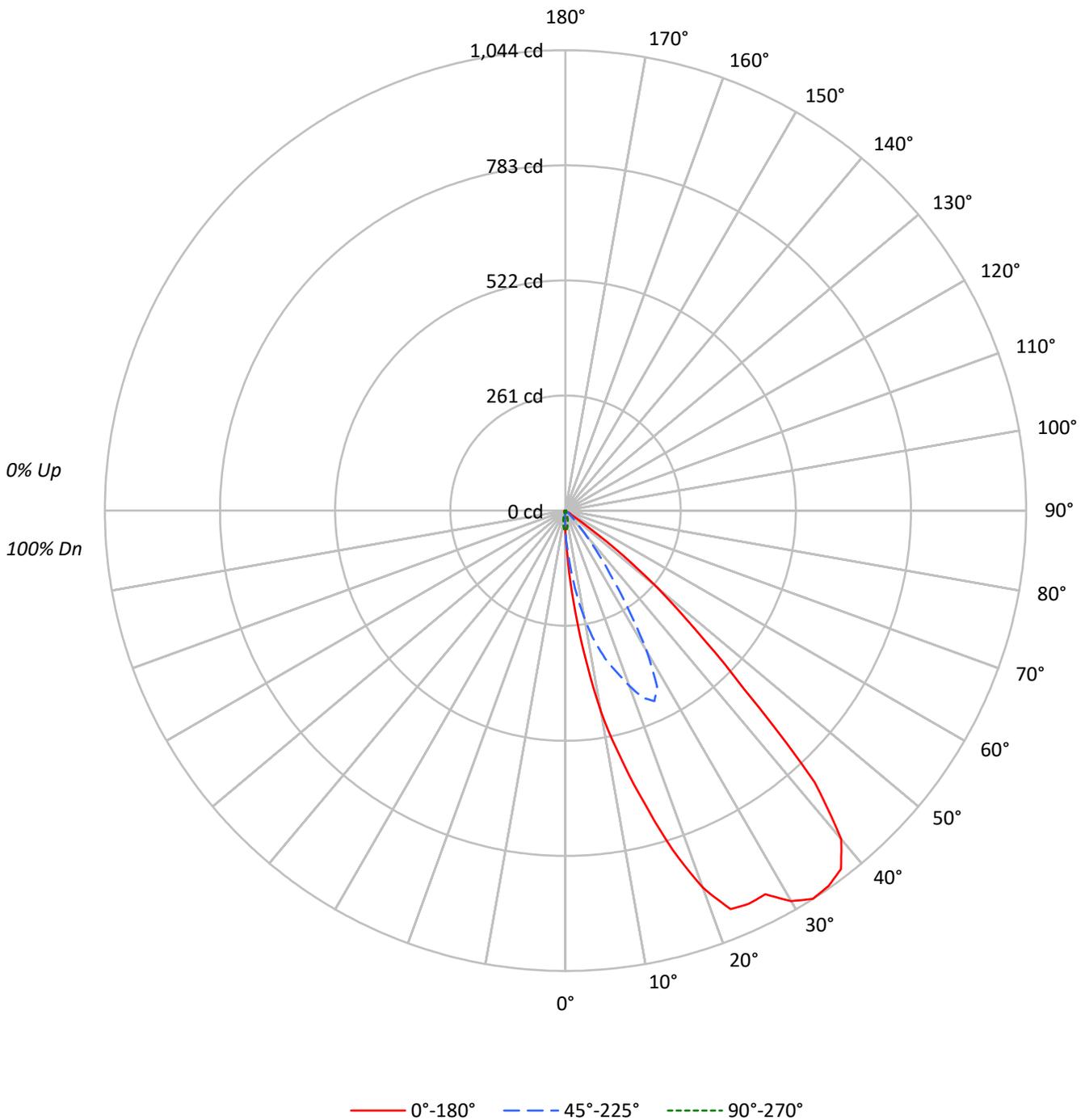
Test Method: LM-79-2019  
Report Number: P1323494  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R409030D2WDE010 3LSQCA30R 1MW  
Description: 3in Adjustable Dim to Warm LED luminaire with, R40 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 385.1 lumens  
Efficiency: N/A  
Efficacy: 53.5 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.42 / 1.24  
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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	96	94	93	91
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	89	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	82	79	76	74
4	92	83	77	71	90	82	76	71	80	74	70	78	73	69	76	72	68	76	72	68	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	70	65	62	60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	60	56	64	60	56	54
7	75	64	57	52	74	63	56	51	62	56	51	61	55	51	59	54	51	59	54	51	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	55	50	46	44
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	47	42	38	37

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

	0°	45°	90°	135°	180°
0°	7853	7853	7853	7853	7853
5°	35389	22561	7036	2697	1971
10°	81144	43597	4949	962	734
15°	121778	61852	3067	517	464
20°	166744	77526	1796	293	367
25°	186929	90586	931	247	304
30°	203320	73123	398	199	318
35°	218508	37424	147	273	420
40°	218593	14928	67	292	517
45°	139560	4993	170	487	706
50°	72449	616	268	616	884
55°	6245	90	300	781	1081
60°	241	103	344	896	1240
65°	285	122	530	937	1345
70°	151	151	655	1007	1309
75°	200	200	665	1065	1530
80°	298	298	992	992	1289
85°	0	593	1976	1383	1383

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 139560 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.9	2.3
10°-20°	52.1	13.5
20°-30°	114.1	29.6
30°-40°	130.0	33.8
40°-50°	68.6	17.8
50°-60°	8.1	2.1
60°-70°	1.5	0.4
70°-80°	1.2	0.3
80°-90°	0.6	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°	175.1	45.5
0°-40°	305.1	79.2
0°-60°	381.8	99.2
0°-90°	385.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	385.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	46	46	46	46	46	
5°	205	130	41	16	11	28
15°	683	347	17	3	3	201
25°	984	477	5	1	2	453
35°	1039	178	1	1	2	644
45°	573	20	1	2	3	462
55°	21	0	1	3	4	65
65°	1	0	1	2	3	1
75°	0	0	1	2	2	0
85°	0	0	1	1	1	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°	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
2.5°	101.5	101.5	101.2	98.3	97.9	97.6	92.4	91.1	84.9	80.7	61.5
5°	204.7	200.1	199.8	194.6	185.8	174.1	166.6	154.6	142.8	130.5	75.8
7.5°	326.0	330.0	319.2	313.7	294.2	280.2	258.7	239.8	213.5	188.7	87.5
10°	464.0	457.2	446.4	435.7	414.6	389.5	357.6	324.1	286.0	249.3	94.0
12.5°	571.7	562.9	556.4	541.8	521.0	488.7	450.7	405.8	355.3	302.3	93.7
15°	683.0	674.2	659.6	646.6	615.6	579.5	538.2	479.0	417.2	346.9	86.9
17.5°	805.4	794.0	777.7	757.8	727.9	687.9	635.5	563.3	475.7	383.3	74.5
20°	909.8	903.0	886.7	863.3	834.0	794.9	734.4	654.4	547.6	423.0	59.2
22.5°	978.1	972.0	960.9	940.4	918.3	876.6	821.3	733.4	607.8	459.1	44.9
25°	983.7	981.1	978.1	971.3	958.0	928.4	874.3	779.6	645.3	476.7	33.2
27.5°	980.7	979.8	979.1	975.5	966.7	937.5	882.1	786.5	640.4	449.4	24.4
30°	1022.4	1019.5	1017.8	1006.1	983.0	937.8	865.6	749.7	569.1	367.7	17.6
32.5°	1043.5	1042.9	1041.3	1029.9	997.3	938.4	837.6	660.9	451.3	265.5	12.0
35°	1039.3	1036.1	1030.2	1009.1	963.8	890.0	747.1	527.8	325.7	178.0	7.8
37.5°	1025.0	1017.5	1006.1	968.1	907.9	807.0	605.9	388.5	221.6	115.2	4.6
40°	972.3	962.2	944.3	897.8	818.7	665.1	448.1	262.6	145.5	66.4	1.3
42.5°	835.9	822.9	809.9	757.8	667.4	495.9	294.8	162.4	83.0	36.4	0.3
45°	573.0	556.8	538.9	501.1	428.5	300.3	175.4	91.4	43.0	20.5	0.3
47.5°	398.0	390.5	359.2	311.1	238.5	159.1	90.8	44.9	22.8	9.4	0.3
50°	270.4	261.9	225.5	179.0	126.9	76.1	41.7	22.5	10.1	2.3	0.3
52.5°	141.9	131.5	108.4	82.7	51.4	31.9	18.2	9.8	2.9	0.3	0.3
55°	20.8	19.2	15.6	12.7	11.4	8.8	5.2	2.3	0.3	0.3	0.7
57.5°	0.7	0.7	0.7	0.7	1.0	1.0	0.7	0.3	0.3	0.3	0.7
60°	0.7	0.7	0.7	0.7	0.7	0.3	0.3	0.3	0.3	0.3	0.7
62.5°	0.7	0.7	0.7	0.7	0.7	0.3	0.3	0.3	0.3	0.3	0.7
65°	0.7	0.7	0.7	0.7	0.7	0.3	0.3	0.3	0.3	0.3	0.7
67.5°	0.7	0.7	0.7	0.7	0.3	0.3	0.3	0.3	0.3	0.7	1.0
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	1.0
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.0
77.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	1.0
80°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.7
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°	45.6	45.6	45.6	45.6	45.6
2.5°	44.9	33.2	25.7	22.1	21.8
5°	40.7	23.8	15.6	12.0	11.4
7.5°	34.5	16.6	9.1	6.5	6.2
10°	28.3	11.4	5.5	4.6	4.2
12.5°	22.5	7.5	3.9	3.6	3.3
15°	17.2	4.9	2.9	2.6	2.6
17.5°	13.0	3.3	2.3	2.3	2.3
20°	9.8	2.3	1.6	2.0	2.0
22.5°	6.8	1.6	1.3	1.6	1.6
25°	4.9	1.3	1.3	1.6	1.6
27.5°	3.3	1.0	1.0	1.3	1.6
30°	2.0	0.7	1.0	1.3	1.6
32.5°	1.0	0.7	1.0	1.6	1.6
35°	0.7	1.0	1.3	1.6	2.0
37.5°	0.3	1.0	1.3	2.0	2.0
40°	0.3	1.0	1.3	2.0	2.3
42.5°	0.7	1.3	1.6	2.3	2.6
45°	0.7	1.3	2.0	2.6	2.9
47.5°	0.7	1.3	2.3	2.9	2.9
50°	1.0	1.6	2.3	2.9	3.3
52.5°	1.0	1.6	2.3	3.3	3.6
55°	1.0	1.6	2.6	3.3	3.6
57.5°	1.0	2.0	2.6	3.3	3.6
60°	1.0	1.6	2.6	3.3	3.6
62.5°	1.3	1.6	2.3	3.3	3.3
65°	1.3	1.6	2.3	3.3	3.3
67.5°	1.3	1.6	2.3	2.9	2.9
70°	1.3	1.6	2.0	2.6	2.6
72.5°	1.3	1.6	2.0	2.3	2.6
75°	1.0	1.3	1.6	2.0	2.3
77.5°	1.0	1.3	1.3	2.0	2.0
80°	1.0	1.0	1.0	1.3	1.3
82.5°	1.0	1.0	0.7	1.0	1.0
85°	1.0	0.7	0.7	0.7	0.7
87.5°	0.7	0.7	0.3	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)