

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: P1313036

Luminaire Tested: LDSQA3D24R409050D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

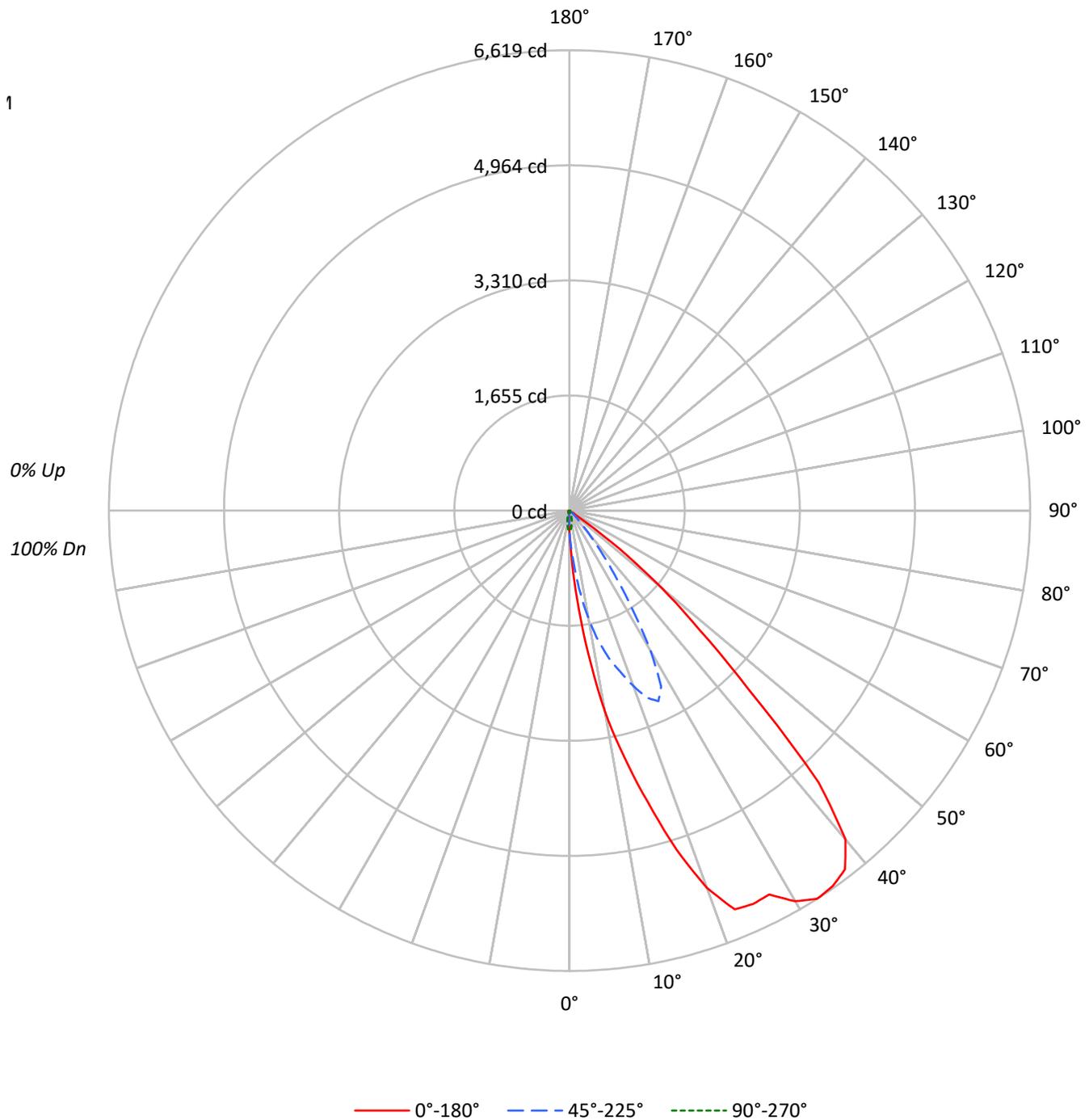
Test Method: LM-79-2019  
Report Number: P1313036  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D24R409050D010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R40 optic, 5000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2442.0 lumens  
Efficiency: N/A  
Efficacy: 84.8 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): 28.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	100	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91	91	91	91
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82	82	82	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74	74	74	74
4	92	83	77	71	90	82	76	71	80	74	70	78	73	69	76	72	68	67	67	67	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60	60	60	60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54	54	54	54
7	75	64	57	52	74	63	56	51	62	56	51	61	55	51	59	54	51	49	49	49	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44	44	44	44
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40	40	40	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37	37	37	37

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

	0°	45°	90°	135°	180°
0°	49772	49772	49772	49772	49772
5°	224433	143076	44603	17132	12482
10°	514705	276484	31408	6138	4687
15°	772423	392291	19506	3316	2942
20°	1057646	491747	11345	1888	2273
25°	1185633	574584	5891	1577	1957
30°	1289623	463794	2466	1233	2048
35°	1385977	237367	862	1745	2607
40°	1386469	94650	472	1866	3237
45°	885242	31663	999	3020	4530
50°	459528	3858	1661	3858	5519
55°	39664	631	1862	4954	6816
60°	1412	723	2136	5683	7819
65°	1671	856	3382	5868	8395
70°	1057	1057	4179	6244	8308
75°	1397	1397	4126	6854	9582
80°	2083	2083	6149	6149	8232
85°	0	4150	12251	8102	8102

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 885242 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.3	2.3
10°-20°	330.5	13.5
20°-30°	723.9	29.6
30°-40°	824.7	33.8
40°-50°	435.1	17.8
50°-60°	51.3	2.1
60°-70°	9.2	0.4
70°-80°	7.6	0.3
80°-90°	3.5	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°	1110.7	45.5
0°-40°	1935.3	79.3
0°-60°	2421.8	99.2
0°-90°	2442.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2442.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	289	289	289	289	289	
5°	1298	828	258	99	72	175
15°	4332	2200	109	19	16	1276
25°	6239	3024	31	8	10	2875
35°	6592	1129	4	8	12	4086
45°	3635	130	4	12	19	2930
55°	132	2	6	16	23	410
65°	4	2	8	14	21	4
75°	2	2	6	10	14	2
85°	0	2	6	4	4	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°	289.0	289.0	289.0	289.0	289.0	289.0	289.0	289.0	289.0	289.0	289.0
2.5°	643.9	643.9	641.9	623.3	621.2	619.2	586.2	577.9	538.7	511.9	390.1
5°	1298.2	1269.3	1267.3	1234.2	1178.5	1104.2	1056.7	980.4	906.1	827.6	480.9
7.5°	2068.1	2092.8	2024.7	1989.6	1865.8	1777.0	1640.8	1521.1	1353.9	1197.1	555.2
10°	2943.2	2899.8	2831.7	2763.6	2629.5	2470.5	2268.3	2055.7	1814.2	1581.0	596.5
12.5°	3626.3	3570.6	3529.3	3436.5	3304.4	3100.0	2858.5	2573.7	2253.8	1917.4	594.4
15°	4332.2	4276.5	4183.6	4101.0	3905.0	3675.9	3413.7	3038.1	2646.0	2200.2	551.1
17.5°	5108.2	5036.0	4932.8	4806.9	4617.0	4363.2	4030.9	3572.7	3017.5	2431.3	472.6
20°	5770.8	5727.4	5624.2	5475.6	5289.9	5042.2	4658.3	4150.6	3473.6	2683.1	375.6
22.5°	6204.2	6165.0	6094.8	5964.8	5824.4	5560.2	5209.4	4652.1	3855.4	2912.2	284.8
25°	6239.3	6222.8	6204.2	6160.8	6076.2	5888.4	5545.8	4945.2	4092.8	3023.7	210.5
27.5°	6220.7	6214.5	6210.4	6187.7	6132.0	5946.2	5595.3	4988.5	4061.8	2850.3	154.8
30°	6484.9	6466.3	6456.0	6381.7	6235.1	5948.3	5490.1	4755.3	3609.8	2332.2	111.5
32.5°	6619.0	6614.9	6604.6	6532.4	6326.0	5952.4	5312.6	4191.9	2862.7	1684.2	76.4
35°	6592.2	6571.6	6534.4	6400.3	6113.4	5644.9	4738.8	3347.7	2066.0	1129.0	49.5
37.5°	6501.4	6453.9	6381.7	6140.2	5758.4	5118.6	3843.0	2464.3	1405.5	730.6	28.9
40°	6167.0	6103.1	5989.5	5694.4	5192.9	4218.7	2842.0	1665.6	922.6	421.0	8.3
42.5°	5302.2	5219.7	5137.1	4806.9	4233.1	3145.4	1869.9	1029.9	526.3	231.2	2.1
45°	3634.6	3531.4	3417.9	3178.5	2718.2	1905.0	1112.5	580.0	272.4	130.0	2.1
47.5°	2524.2	2476.7	2278.6	1973.1	1512.9	1009.3	575.8	284.8	144.5	59.9	2.1
50°	1715.1	1661.5	1430.3	1135.2	804.9	483.0	264.2	142.4	64.0	14.4	2.1
52.5°	899.9	833.8	687.3	524.2	326.1	202.3	115.6	61.9	18.6	2.1	2.1
55°	132.1	121.8	99.1	80.5	72.2	55.7	33.0	14.4	2.1	2.1	4.1
57.5°	4.1	4.1	4.1	4.1	6.2	6.2	4.1	2.1	2.1	2.1	4.1
60°	4.1	4.1	4.1	4.1	4.1	2.1	2.1	2.1	2.1	2.1	4.1
62.5°	4.1	4.1	4.1	4.1	4.1	2.1	2.1	2.1	2.1	2.1	4.1
65°	4.1	4.1	4.1	4.1	4.1	2.1	2.1	2.1	2.1	2.1	4.1
67.5°	4.1	4.1	4.1	4.1	2.1	2.1	2.1	2.1	2.1	4.1	6.2
70°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	6.2
72.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1	6.2
75°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	6.2
77.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1	6.2
80°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1
82.5°	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	6.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	4.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	4.1
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°	289.0	289.0	289.0	289.0	289.0
2.5°	284.8	210.5	163.1	140.3	138.3
5°	258.0	150.7	99.1	76.4	72.2
7.5°	218.8	105.3	57.8	41.3	39.2
10°	179.6	72.2	35.1	28.9	26.8
12.5°	142.4	47.5	24.8	22.7	20.6
15°	109.4	31.0	18.6	16.5	16.5
17.5°	82.6	20.6	14.4	14.4	14.4
20°	61.9	14.4	10.3	12.4	12.4
22.5°	43.3	10.3	8.3	10.3	10.3
25°	31.0	8.3	8.3	10.3	10.3
27.5°	20.6	6.2	6.2	8.3	10.3
30°	12.4	4.1	6.2	8.3	10.3
32.5°	6.2	4.1	6.2	10.3	10.3
35°	4.1	6.2	8.3	10.3	12.4
37.5°	2.1	6.2	8.3	12.4	12.4
40°	2.1	6.2	8.3	12.4	14.4
42.5°	4.1	8.3	10.3	14.4	16.5
45°	4.1	8.3	12.4	16.5	18.6
47.5°	4.1	8.3	14.4	18.6	18.6
50°	6.2	10.3	14.4	18.6	20.6
52.5°	6.2	10.3	14.4	20.6	22.7
55°	6.2	10.3	16.5	20.6	22.7
57.5°	6.2	12.4	16.5	20.6	22.7
60°	6.2	10.3	16.5	20.6	22.7
62.5°	8.3	10.3	14.4	20.6	20.6
65°	8.3	10.3	14.4	20.6	20.6
67.5°	8.3	10.3	14.4	18.6	18.6
70°	8.3	10.3	12.4	16.5	16.5
72.5°	8.3	10.3	12.4	14.4	16.5
75°	6.2	8.3	10.3	12.4	14.4
77.5°	6.2	8.3	8.3	12.4	12.4
80°	6.2	6.2	6.2	8.3	8.3
82.5°	6.2	6.2	4.1	6.2	6.2
85°	6.2	4.1	4.1	4.1	4.1
87.5°	4.1	4.1	2.1	2.1	2.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)