

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: P1307167

Luminaire Tested: LDSQA3D13R359024DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

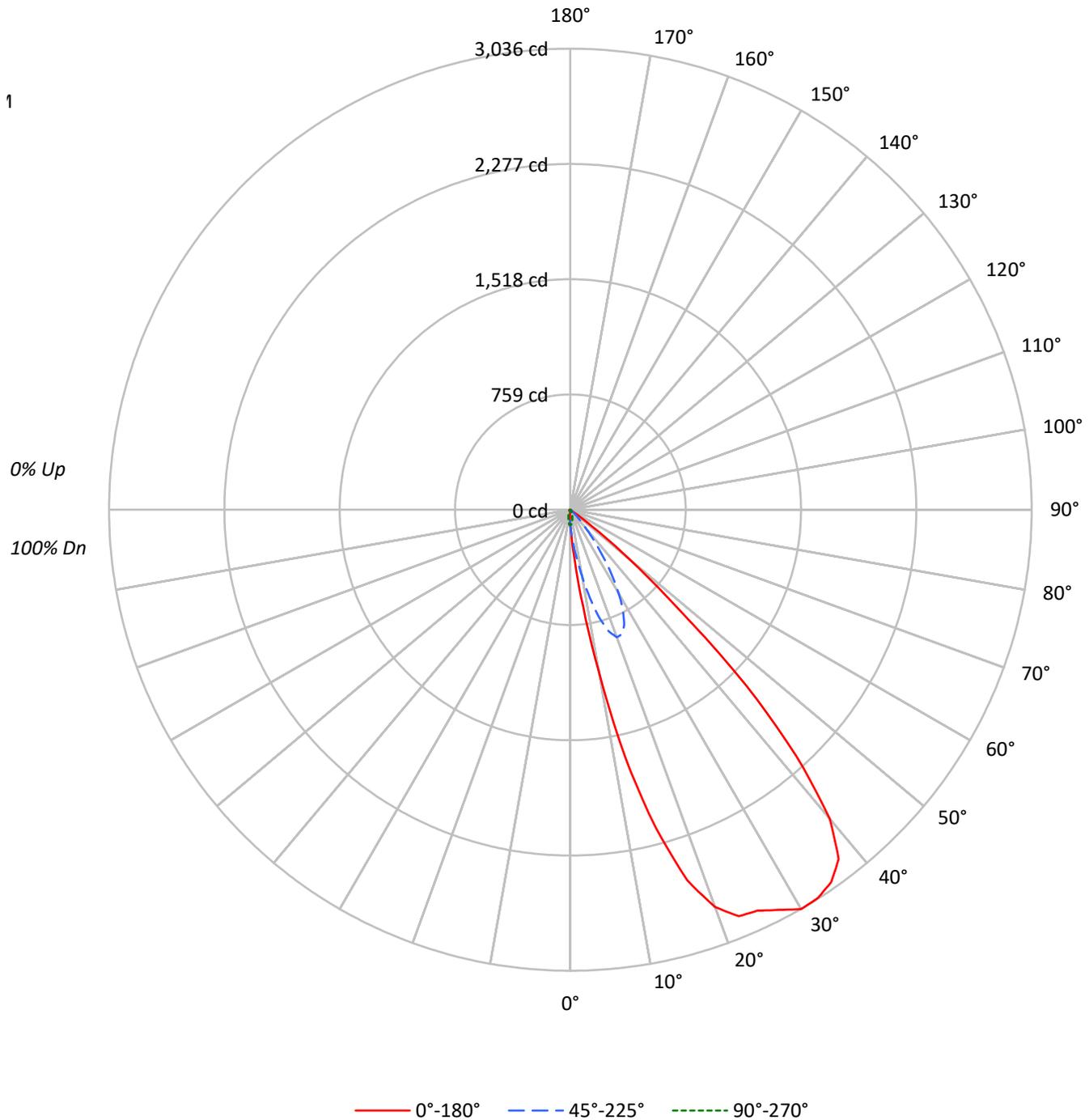
Test Method: LM-79-2019  
Report Number: P1307167  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R359024DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 955.1 lumens  
Efficiency: N/A  
Efficacy: 65.4 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): 14.6  
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	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	89	87	84	83
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	82	79	76	74
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	76	72	69	67
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	70	66	62	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	55	50	46	45
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	51	46	42	41
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	47	42	39	37

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

	0°	45°	90°	135°	180°
0°	17274	17274	17274	17274	17274
5°	58831	38241	16147	6811	5031
10°	189342	77507	12749	2553	1644
15°	385783	131459	9022	909	606
20°	510147	163720	5810	312	312
25°	553548	159166	3249	171	323
30°	603835	126836	1372	179	338
35°	629200	78947	357	189	357
40°	597079	34510	202	382	585
45°	398585	13785	219	633	1047
50°	133671	2304	455	911	1366
55°	7476	270	510	1291	1802
60°	586	310	896	1481	2067
65°	693	367	1060	1752	2445
70°	453	453	1309	2165	2568
75°	599	599	1730	2262	2861
80°	0	893	2579	2579	2579
85°	0	1778	5138	1778	3359

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 398585 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17.4	1.8
10°-20°	137.2	14.4
20°-30°	289.5	30.3
30°-40°	328.5	34.4
40°-50°	161.7	16.9
50°-60°	14.0	1.5
60°-70°	2.9	0.3
70°-80°	2.7	0.3
80°-90°	1.3	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°	444.1	46.5
0°-40°	772.5	80.9
0°-60°	948.2	99.3
0°-90°	955.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	955.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	100	100	100	100	100	
5°	340	221	93	39	29	56
15°	2164	737	51	5	3	615
25°	2913	838	17	1	2	1355
35°	2993	376	2	1	2	1844
45°	1636	57	1	3	4	1209
55°	25	1	2	4	6	98
65°	2	1	3	4	6	1
75°	1	1	3	3	4	1
85°	0	1	3	1	2	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°	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3	100.3
2.5°	174.0	178.3	176.6	175.7	174.9	171.5	163.7	162.9	155.2	150.0	124.3
5°	340.3	333.5	335.2	325.8	313.8	296.6	285.5	261.5	241.7	221.2	144.9
7.5°	641.2	631.8	613.8	586.4	558.1	521.2	465.5	420.9	369.5	320.6	161.2
10°	1082.7	1077.6	1054.4	984.1	922.4	823.8	731.2	633.5	537.5	443.2	172.3
12.5°	1672.5	1637.4	1595.4	1501.9	1380.2	1256.8	1074.2	905.3	751.8	594.1	173.2
15°	2163.7	2141.5	2082.3	1960.6	1814.0	1635.7	1418.8	1191.6	960.1	737.3	164.6
17.5°	2558.9	2524.7	2448.4	2329.2	2160.3	1928.9	1675.1	1398.2	1116.2	839.3	150.0
20°	2783.5	2765.5	2707.3	2588.1	2403.8	2150.9	1862.0	1539.7	1213.9	893.3	131.2
22.5°	2896.7	2883.8	2841.0	2745.8	2573.5	2318.9	1988.0	1613.4	1242.2	887.3	111.4
25°	2913.0	2909.6	2872.7	2800.7	2656.7	2404.6	2042.9	1627.1	1219.0	837.6	92.6
27.5°	2969.6	2957.6	2913.9	2841.8	2697.0	2419.2	2024.0	1579.9	1144.5	750.1	77.2
30°	3036.4	3027.9	2984.2	2909.6	2738.1	2405.5	1957.1	1475.4	1025.3	637.8	57.4
32.5°	3031.3	3027.9	2991.0	2912.1	2709.0	2324.9	1838.0	1318.5	863.3	503.2	36.0
35°	2992.7	2980.7	2934.4	2812.7	2542.7	2117.5	1611.7	1105.9	683.2	375.5	23.1
37.5°	2900.1	2874.4	2796.4	2589.8	2245.2	1797.7	1312.5	853.8	483.5	251.2	14.6
40°	2655.8	2623.2	2466.4	2216.9	1856.0	1416.2	976.4	587.2	318.9	153.5	6.0
42.5°	2203.2	2137.2	1980.3	1724.0	1385.3	1001.3	641.2	380.6	187.7	92.6	1.7
45°	1636.5	1585.9	1421.4	1189.0	907.8	642.1	388.3	205.7	103.7	56.6	0.9
47.5°	953.3	922.4	837.6	685.0	501.5	336.9	198.9	110.6	60.9	27.4	0.9
50°	498.9	460.4	396.1	300.0	221.2	155.2	96.9	59.2	30.0	8.6	0.9
52.5°	174.9	172.3	156.9	118.3	96.0	69.4	47.1	25.7	8.6	1.7	0.9
55°	24.9	24.9	23.1	25.7	27.4	24.9	16.3	6.9	1.7	0.9	0.9
57.5°	1.7	1.7	1.7	2.6	3.4	3.4	2.6	0.9	0.9	0.9	1.7
60°	1.7	1.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7
62.5°	1.7	1.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7
65°	1.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7
67.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7
70°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.6
72.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.6
75°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.6
77.5°	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	1.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	1.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	1.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.7
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°	100.3	100.3	100.3	100.3	100.3
2.5°	99.4	79.7	63.4	55.7	53.2
5°	93.4	60.0	39.4	30.9	29.1
7.5°	83.2	42.9	24.0	17.1	16.3
10°	72.9	30.9	14.6	10.3	9.4
12.5°	60.9	21.4	9.4	6.0	5.1
15°	50.6	14.6	5.1	4.3	3.4
17.5°	40.3	9.4	3.4	2.6	3.4
20°	31.7	6.0	1.7	1.7	1.7
22.5°	24.0	3.4	1.7	1.7	1.7
25°	17.1	1.7	0.9	0.9	1.7
27.5°	12.0	0.9	0.9	0.9	1.7
30°	6.9	0.9	0.9	0.9	1.7
32.5°	3.4	0.9	0.9	1.7	1.7
35°	1.7	0.9	0.9	1.7	1.7
37.5°	0.9	0.9	0.9	1.7	2.6
40°	0.9	0.9	1.7	2.6	2.6
42.5°	0.9	0.9	1.7	2.6	3.4
45°	0.9	1.7	2.6	3.4	4.3
47.5°	1.7	1.7	3.4	4.3	5.1
50°	1.7	2.6	3.4	5.1	5.1
52.5°	1.7	2.6	4.3	5.1	6.0
55°	1.7	3.4	4.3	6.0	6.0
57.5°	2.6	3.4	4.3	6.0	6.0
60°	2.6	3.4	4.3	6.0	6.0
62.5°	2.6	3.4	4.3	6.0	6.0
65°	2.6	3.4	4.3	6.0	6.0
67.5°	2.6	3.4	4.3	5.1	6.0
70°	2.6	3.4	4.3	5.1	5.1
72.5°	3.4	3.4	4.3	5.1	5.1
75°	2.6	3.4	3.4	4.3	4.3
77.5°	2.6	2.6	2.6	3.4	3.4
80°	2.6	2.6	2.6	2.6	2.6
82.5°	2.6	1.7	1.7	2.6	2.6
85°	2.6	1.7	0.9	1.7	1.7
87.5°	1.7	1.7	0.9	0.9	0.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)