

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: P1308122

Luminaire Tested: LDSQA3D13R309027DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308122  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R309027DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

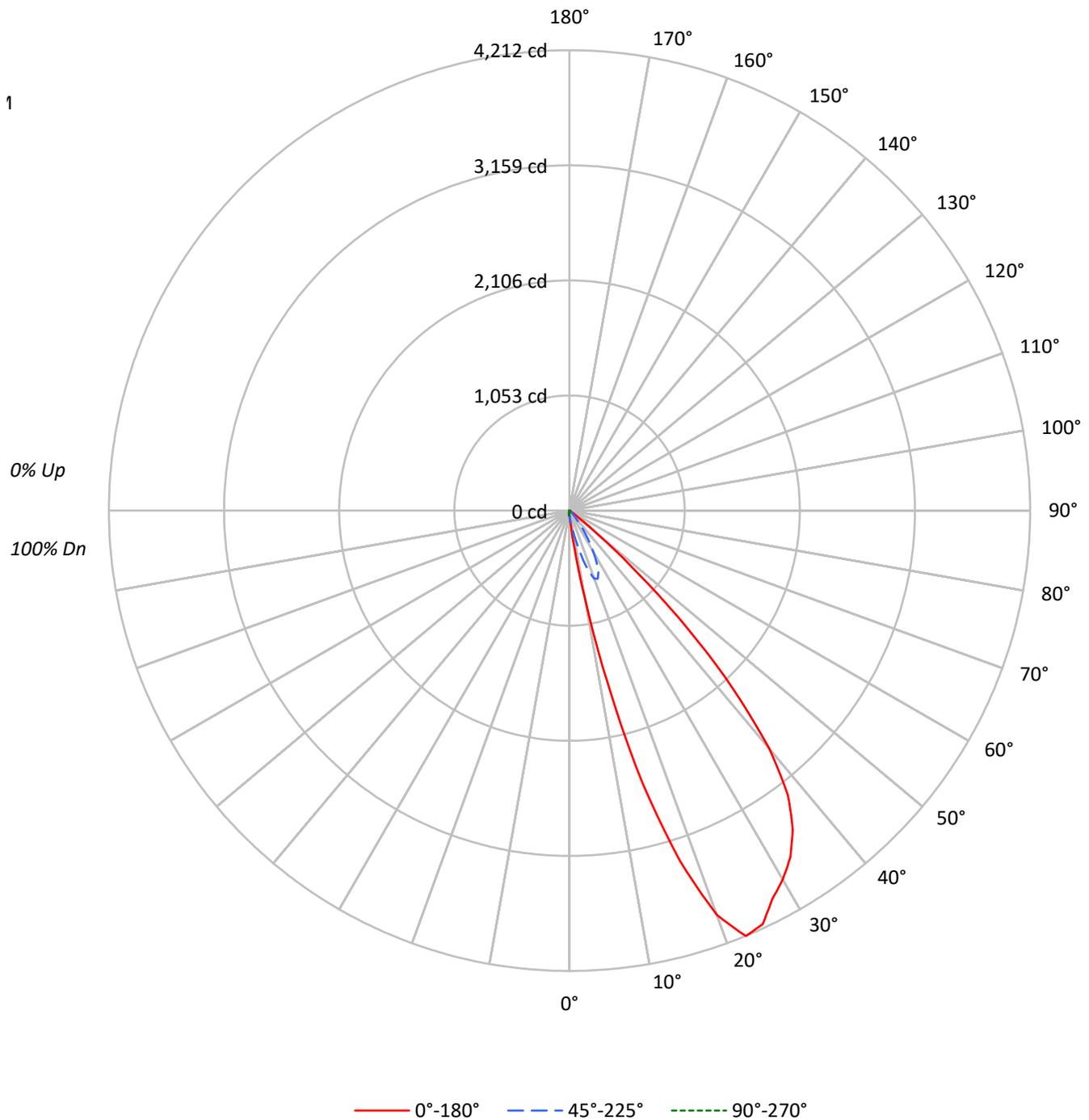
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 992.9 lumens  
Efficiency: N/A  
Efficacy: 68.0 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28  
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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	96	95	93	92
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	83	79	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	76	73	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	71	66	63	61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	65	61	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	60	55	52	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	56	51	47	45
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	52	46	43	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	48	43	39	37

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

	0°	45°	90°	135°	180°
0°	8129	8129	8129	8129	8129
5°	24480	16320	7693	3458	2818
10°	141705	34591	6033	1591	1119
15°	460918	78469	4208	321	160
20°	721244	121402	2657	0	0
25°	793494	118634	1387	0	0
30°	775019	85532	537	0	0
35°	748010	48651	189	0	0
40°	637906	20594	0	0	0
45°	374375	7745	219	0	219
50°	90936	1447	241	241	723
55°	7897	0	540	811	1081
60°	310	0	620	930	1550
65°	367	367	1100	1100	1834
70°	453	453	1360	1360	1813
75°	0	599	1797	1797	1797
80°	0	893	2678	1785	1785
85°	0	1778	5335	1778	1778

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 374375 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.7	0.9
10°-20°	136.5	13.7
20°-30°	346.8	34.9
30°-40°	345.7	34.8
40°-50°	140.0	14.1
50°-60°	9.7	1.0
60°-70°	2.2	0.2
70°-80°	2.2	0.2
80°-90°	1.2	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°	492.0	49.5
0°-40°	837.7	84.4
0°-60°	987.4	99.4
0°-90°	992.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	992.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	47	47	47	47	47	
5°	142	94	44	20	16	33
15°	2585	440	24	2	1	752
25°	4176	624	7	0	0	1885
35°	3558	231	1	0	0	2181
45°	1537	32	1	0	1	1173
55°	26	0	2	3	4	69
65°	1	1	3	3	4	1
75°	0	1	3	3	3	0
85°	0	1	3	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°	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
2.5°	78.0	78.9	78.9	77.1	76.2	76.2	73.5	72.6	69.9	67.1	58.1
5°	141.6	138.8	135.2	135.2	127.0	122.5	116.1	108.9	103.4	94.4	67.1
7.5°	321.2	299.4	293.1	284.9	254.1	229.6	201.4	176.9	154.3	135.2	74.4
10°	810.3	767.6	732.3	660.6	570.7	484.5	404.7	312.1	248.6	197.8	79.8
12.5°	1632.4	1575.2	1507.1	1376.5	1208.6	993.6	803.0	599.8	421.0	291.3	81.7
15°	2585.1	2488.0	2381.9	2215.8	1940.9	1632.4	1288.5	964.5	676.0	440.1	79.8
17.5°	3361.8	3323.7	3166.7	2939.9	2603.3	2205.8	1782.1	1339.3	911.9	576.2	74.4
20°	3935.3	3909.0	3719.3	3478.0	3098.7	2643.2	2105.1	1573.4	1076.1	662.4	66.2
22.5°	4212.0	4207.5	4070.5	3823.7	3421.7	2905.4	2312.9	1708.6	1127.0	674.2	55.3
25°	4175.7	4192.1	4114.0	3930.7	3545.1	3013.4	2374.6	1708.6	1089.8	624.3	46.3
27.5°	4010.6	4021.5	3972.5	3831.8	3472.5	2935.4	2288.4	1598.8	981.8	536.3	38.1
30°	3897.2	3901.7	3840.9	3690.3	3309.2	2757.5	2085.1	1395.5	818.5	430.1	28.1
32.5°	3759.3	3758.3	3687.6	3515.2	3095.1	2508.0	1827.5	1153.3	628.8	326.7	16.3
35°	3557.8	3535.1	3438.9	3240.2	2775.7	2172.3	1498.1	878.3	452.8	231.4	10.0
37.5°	3281.1	3222.1	3086.0	2820.1	2327.4	1703.1	1110.6	617.0	309.4	153.3	6.4
40°	2837.4	2774.8	2589.6	2266.6	1760.3	1225.9	748.6	402.0	195.1	91.6	3.6
42.5°	2224.9	2182.2	1932.7	1610.6	1162.3	782.2	450.1	237.7	109.8	52.6	0.9
45°	1537.1	1481.7	1285.7	1012.6	697.8	433.7	252.3	124.3	62.6	31.8	0.0
47.5°	848.4	780.3	666.9	524.5	351.2	227.8	127.0	67.1	35.4	15.4	0.0
50°	339.4	336.6	267.7	190.5	134.3	103.4	63.5	36.3	18.1	5.4	0.9
52.5°	118.9	118.9	102.5	83.5	65.3	47.2	31.8	17.2	6.4	1.8	0.9
55°	26.3	29.0	27.2	25.4	24.5	20.9	13.6	6.4	1.8	0.0	0.9
57.5°	2.7	2.7	2.7	3.6	4.5	4.5	3.6	1.8	0.0	0.0	0.9
60°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	1.8
62.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.9	0.9	1.8
65°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8
67.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8
70°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.7
72.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.7
75°	0.0	0.0	0.9	0.9	0.0	0.9	0.9	0.9	0.9	0.9	2.7
77.5°	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	1.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	1.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.8
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°	47.2	47.2	47.2	47.2	47.2
2.5°	47.2	37.2	30.9	27.2	26.3
5°	44.5	28.1	20.0	17.2	16.3
7.5°	39.9	20.9	13.6	10.9	10.0
10°	34.5	15.4	9.1	6.4	6.4
12.5°	29.0	11.8	5.4	2.7	1.8
15°	23.6	7.3	1.8	0.9	0.9
17.5°	18.1	4.5	0.0	0.0	0.0
20°	14.5	1.8	0.0	0.0	0.0
22.5°	10.9	0.9	0.0	0.0	0.0
25°	7.3	0.0	0.0	0.0	0.0
27.5°	4.5	0.0	0.0	0.0	0.0
30°	2.7	0.0	0.0	0.0	0.0
32.5°	0.9	0.0	0.0	0.0	0.0
35°	0.9	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°	0.9	0.0	0.0	0.9	0.9
47.5°	0.9	0.9	0.9	1.8	1.8
50°	0.9	0.9	0.9	1.8	2.7
52.5°	1.8	0.9	1.8	2.7	2.7
55°	1.8	1.8	2.7	3.6	3.6
57.5°	1.8	1.8	2.7	3.6	3.6
60°	1.8	1.8	2.7	3.6	4.5
62.5°	2.7	2.7	2.7	3.6	3.6
65°	2.7	2.7	2.7	3.6	4.5
67.5°	2.7	2.7	2.7	3.6	4.5
70°	2.7	2.7	2.7	3.6	3.6
72.5°	3.6	2.7	2.7	3.6	3.6
75°	2.7	2.7	2.7	2.7	2.7
77.5°	2.7	2.7	1.8	2.7	2.7
80°	2.7	1.8	1.8	1.8	1.8
82.5°	2.7	1.8	1.8	1.8	1.8
85°	2.7	1.8	0.9	0.9	0.9
87.5°	2.7	1.8	0.9	0.9	0.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)