

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: P1309072

Luminaire Tested: LDSQA3D09R309030DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309072  
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: LDSQA3D09R309030DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

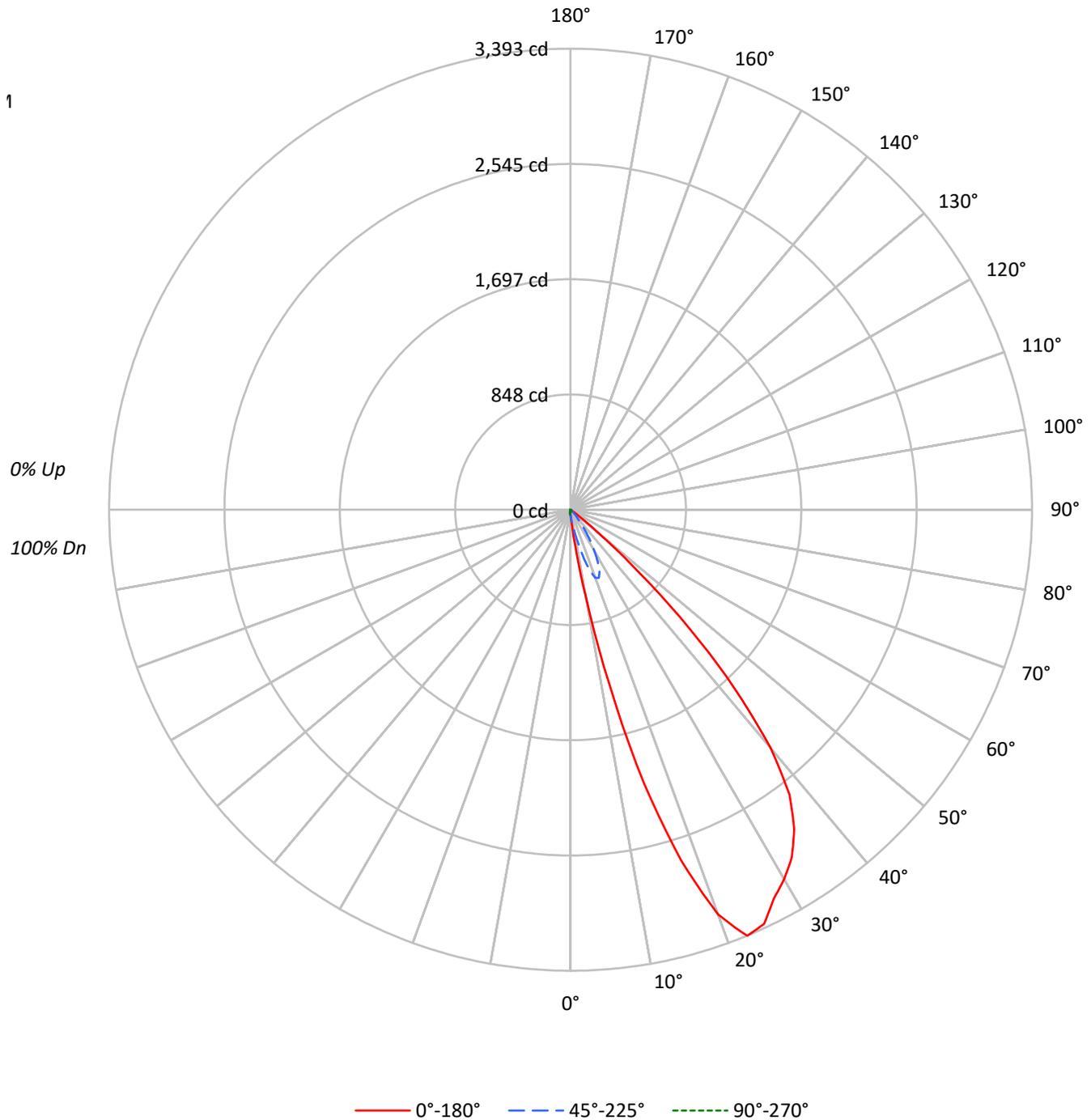
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 800.0 lumens  
Efficiency: N/A  
Efficacy: 72.1 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): 11.1  
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	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°	6544	6544	6544	6544	6544
5°	19708	13139	6189	2783	2282
10°	114161	27876	4862	1277	892
15°	371341	63207	3388	267	125
20°	581057	97796	2144	0	0
25°	639269	95564	1102	0	0
30°	624378	68907	438	0	0
35°	602625	39190	147	0	0
40°	513918	16592	0	0	0
45°	301600	6235	170	0	170
50°	73252	1179	188	188	589
55°	6366	0	450	661	871
60°	241	0	517	758	1274
65°	285	285	897	897	1508
70°	352	352	1108	1108	1460
75°	0	466	1464	1464	1464
80°	0	694	2182	1488	1488
85°	0	1383	4347	1383	1383

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 301600 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.0	0.9
10°-20°	110.0	13.7
20°-30°	279.4	34.9
30°-40°	278.5	34.8
40°-50°	112.8	14.1
50°-60°	7.8	1.0
60°-70°	1.8	0.2
70°-80°	1.8	0.2
80°-90°	1.0	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°	396.3	49.5
0°-40°	674.8	84.4
0°-60°	795.5	99.4
0°-90°	800.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	800.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	38	38	38	38	38	
5°	114	76	36	16	13	26
15°	2083	354	19	2	1	606
25°	3364	503	6	0	0	1519
35°	2866	186	1	0	0	1757
45°	1238	26	1	0	1	945
55°	21	0	2	2	3	55
65°	1	1	2	2	4	1
75°	0	1	2	2	2	0
85°	0	1	2	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°	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
2.5°	62.9	63.6	63.6	62.1	61.4	61.4	59.2	58.5	56.3	54.1	46.8
5°	114.0	111.8	108.9	108.9	102.3	98.7	93.6	87.7	83.3	76.0	54.1
7.5°	258.8	241.2	236.1	229.5	204.7	184.9	162.3	142.5	124.3	108.9	59.9
10°	652.8	618.4	589.9	532.2	459.8	390.4	326.0	251.5	200.3	159.4	64.3
12.5°	1315.1	1269.0	1214.2	1109.0	973.7	800.5	646.9	483.2	339.2	234.7	65.8
15°	2082.7	2004.4	1918.9	1785.1	1563.6	1315.1	1038.0	777.1	544.6	354.5	64.3
17.5°	2708.4	2677.7	2551.2	2368.5	2097.3	1777.1	1435.7	1079.0	734.7	464.2	59.9
20°	3170.4	3149.2	2996.4	2802.0	2496.4	2129.5	1696.0	1267.6	867.0	533.6	53.4
22.5°	3393.4	3389.7	3279.3	3080.5	2756.7	2340.7	1863.4	1376.5	907.9	543.1	44.6
25°	3364.1	3377.3	3314.4	3166.8	2856.1	2427.7	1913.1	1376.5	878.0	502.9	37.3
27.5°	3231.1	3239.9	3200.4	3087.1	2797.6	2364.8	1843.6	1288.1	791.0	432.0	30.7
30°	3139.7	3143.4	3094.4	2973.0	2666.0	2221.6	1679.9	1124.3	659.4	346.5	22.7
32.5°	3028.6	3027.9	2970.9	2832.0	2493.5	2020.5	1472.3	929.1	506.6	263.2	13.2
35°	2866.3	2848.0	2770.6	2610.5	2236.2	1750.1	1206.9	707.6	364.8	186.4	8.0
37.5°	2643.4	2595.8	2486.2	2272.0	1875.1	1372.1	894.8	497.1	249.3	123.5	5.1
40°	2285.9	2235.4	2086.3	1826.1	1418.2	987.6	603.1	323.8	157.2	73.8	2.9
42.5°	1792.5	1758.1	1557.1	1297.6	936.4	630.1	362.6	191.5	88.5	42.4	0.7
45°	1238.3	1193.8	1035.9	815.8	562.2	349.4	203.2	100.1	50.4	25.6	0.0
47.5°	683.5	628.7	537.3	422.5	282.9	183.5	102.3	54.1	28.5	12.4	0.0
50°	273.4	271.2	215.6	153.5	108.2	83.3	51.2	29.2	14.6	4.4	0.7
52.5°	95.8	95.8	82.6	67.3	52.6	38.0	25.6	13.9	5.1	1.5	0.7
55°	21.2	23.4	21.9	20.5	19.7	16.8	11.0	5.1	1.5	0.0	0.7
57.5°	2.2	2.2	2.2	2.9	3.7	3.7	2.9	1.5	0.0	0.0	0.7
60°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	1.5
62.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.7	0.7	1.5
65°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5
67.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5
70°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.2
72.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.2
75°	0.0	0.0	0.7	0.7	0.0	0.7	0.7	0.7	0.7	0.7	2.2
77.5°	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	1.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.5
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°	38.0	38.0	38.0	38.0	38.0
2.5°	38.0	30.0	24.9	21.9	21.2
5°	35.8	22.7	16.1	13.9	13.2
7.5°	32.2	16.8	11.0	8.8	8.0
10°	27.8	12.4	7.3	5.1	5.1
12.5°	23.4	9.5	4.4	2.2	1.5
15°	19.0	5.8	1.5	0.7	0.7
17.5°	14.6	3.7	0.0	0.0	0.0
20°	11.7	1.5	0.0	0.0	0.0
22.5°	8.8	0.7	0.0	0.0	0.0
25°	5.8	0.0	0.0	0.0	0.0
27.5°	3.7	0.0	0.0	0.0	0.0
30°	2.2	0.0	0.0	0.0	0.0
32.5°	0.7	0.0	0.0	0.0	0.0
35°	0.7	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°	0.7	0.0	0.0	0.7	0.7
47.5°	0.7	0.7	0.7	1.5	1.5
50°	0.7	0.7	0.7	1.5	2.2
52.5°	1.5	0.7	1.5	2.2	2.2
55°	1.5	1.5	2.2	2.9	2.9
57.5°	1.5	1.5	2.2	2.9	2.9
60°	1.5	1.5	2.2	2.9	3.7
62.5°	2.2	2.2	2.2	2.9	2.9
65°	2.2	2.2	2.2	2.9	3.7
67.5°	2.2	2.2	2.2	2.9	3.7
70°	2.2	2.2	2.2	2.9	2.9
72.5°	2.9	2.2	2.2	2.9	2.9
75°	2.2	2.2	2.2	2.2	2.2
77.5°	2.2	2.2	1.5	2.2	2.2
80°	2.2	1.5	1.5	1.5	1.5
82.5°	2.2	1.5	1.5	1.5	1.5
85°	2.2	1.5	0.7	0.7	0.7
87.5°	2.2	1.5	0.7	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)