

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: P1310271

Luminaire Tested: LDSQA3D09R709035DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310271  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-57)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R709035DE010 3LSQCA30R 1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , 3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

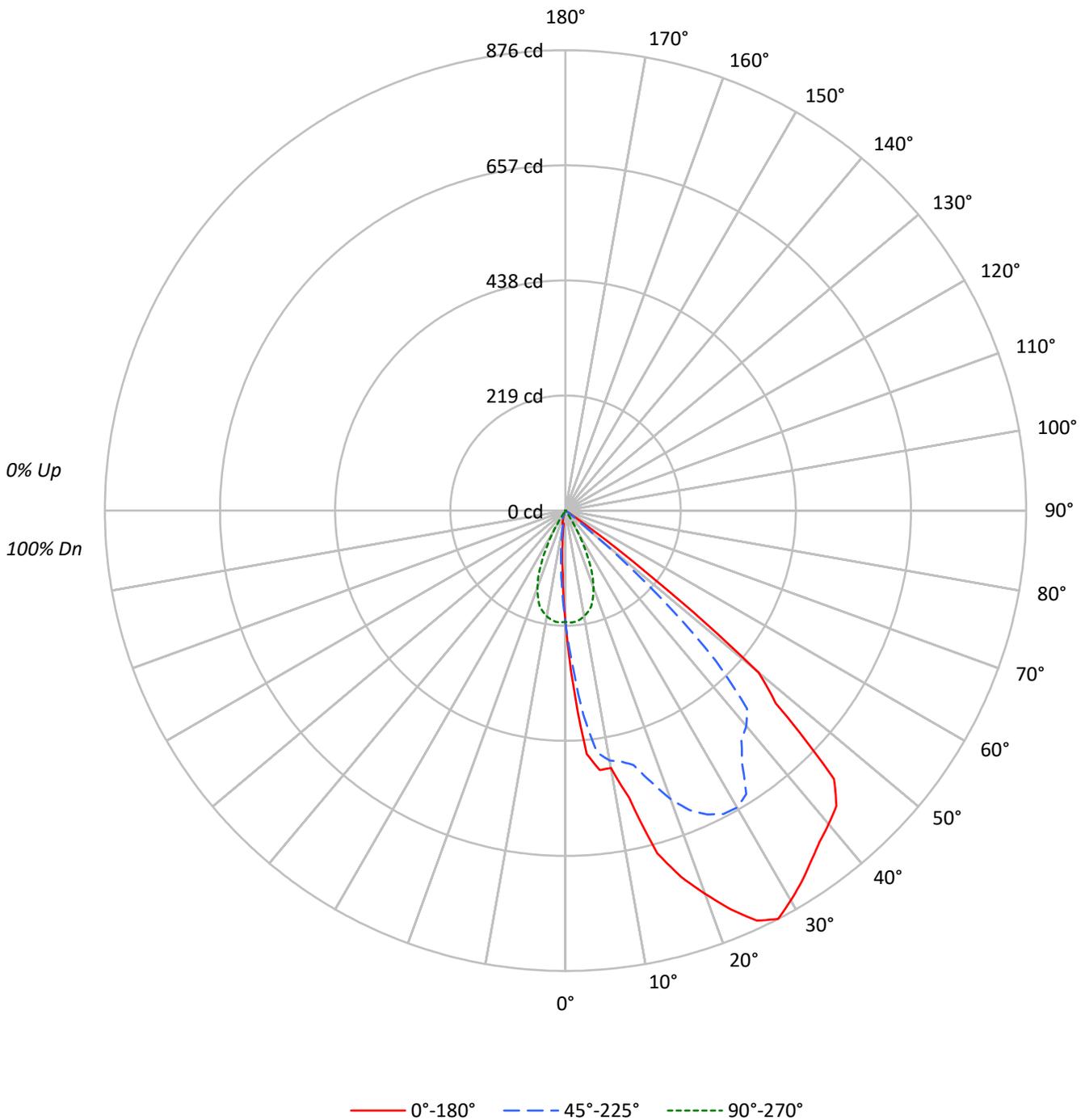
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 570.0 lumens  
Efficiency: N/A  
Efficacy: 51.4 lumens/watt  
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48  
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 (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				
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	96	94	93	91				
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82				
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73				
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66				
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59				
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53				
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	48				
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43				
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39				
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	36				

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

	0°	45°	90°	135°	180°
0°	36425	36425	36425	36425	36425
5°	80372	67441	36720	16683	10978
10°	86933	84397	35728	4634	4774
15°	120333	89345	33698	4725	3441
20°	142112	107033	28591	2804	1026
25°	163556	121218	20181	456	0
30°	170348	129720	9287	0	0
35°	171139	122951	505	0	0
40°	175045	120257	0	0	0
45°	175923	98544	0	0	0
50°	128446	20470	0	0	0
55°	7236	0	0	0	0
60°	0	276	276	0	0
65°	0	0	326	0	0
70°	0	403	403	0	0
75°	0	532	532	0	0
80°	0	793	793	793	0
85°	0	1581	1581	1581	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 5°  
 Vertical Angle: 45°  
 Luminance: 179260 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.1	4.1
10°-20°	77.3	13.6
20°-30°	138.9	24.4
30°-40°	168.9	29.6
40°-50°	130.4	22.9
50°-60°	30.3	5.3
60°-70°	0.2	0.0
70°-80°	0.4	0.1
80°-90°	0.4	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°	239.3	42.0
0°-40°	408.2	71.6
0°-60°	568.9	99.8
0°-90°	570.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	570.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	212	212	212	212	212	
5°	465	390	212	96	64	44
15°	675	501	189	26	19	189
25°	861	638	106	2	0	392
35°	814	585	2	0	0	511
45°	722	405	0	0	0	510
55°	24	0	0	0	0	99
65°	0	0	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	211.5	211.5	211.5	211.5	211.5	211.5	211.5	211.5	211.5	211.5	211.5
2.5°	329.8	329.8	331.4	330.6	323.4	320.1	309.7	304.0	302.4	289.6	284.7
5°	464.9	465.7	461.7	460.9	452.9	447.2	438.4	424.7	411.0	390.1	371.6
7.5°	497.9	497.1	496.3	496.3	494.7	491.5	487.4	483.4	477.8	464.9	450.4
10°	497.1	497.1	496.3	496.3	495.5	496.3	495.5	493.1	490.7	482.6	474.6
12.5°	559.8	555.0	548.6	538.9	522.8	510.8	497.1	493.1	491.5	489.1	484.2
15°	674.9	670.8	657.2	640.3	624.2	596.8	575.1	545.4	522.0	501.1	490.7
17.5°	730.4	732.8	717.5	707.0	691.8	670.0	644.3	613.7	580.7	541.3	510.0
20°	775.4	777.8	764.9	754.5	736.8	714.3	691.8	658.8	627.4	584.0	542.9
22.5°	821.3	822.9	810.8	795.5	775.4	752.1	723.1	689.3	655.6	616.9	573.5
25°	860.7	859.1	838.9	817.2	797.9	773.0	744.8	711.9	679.7	637.9	596.8
27.5°	875.9	875.1	852.6	831.7	809.2	775.4	750.5	721.5	687.7	650.7	608.9
30°	856.6	869.5	855.0	839.8	812.4	778.6	754.5	719.9	688.5	652.3	604.9
32.5°	836.5	852.6	847.8	840.6	808.4	781.8	750.5	718.3	681.3	639.5	567.1
35°	814.0	830.9	831.7	823.7	794.7	768.2	739.2	705.4	663.6	584.8	531.7
37.5°	793.9	810.0	814.8	797.9	775.4	740.0	713.5	678.1	602.5	549.4	522.0
40°	778.6	790.7	797.9	771.4	748.9	714.3	683.7	621.8	553.4	534.9	496.3
42.5°	762.5	773.8	777.0	748.1	713.5	680.5	636.2	558.2	538.1	510.8	407.0
45°	722.3	736.0	727.9	699.8	674.1	639.5	573.5	539.7	518.0	404.6	250.2
47.5°	542.1	557.4	579.1	587.2	596.0	571.1	534.9	522.8	425.5	245.3	78.0
50°	479.4	477.0	477.0	481.0	488.2	496.3	506.7	440.8	255.8	76.4	0.0
52.5°	195.5	205.1	252.6	295.2	344.3	393.3	408.6	270.3	99.7	1.6	0.0
55°	24.1	24.1	33.8	57.9	95.7	154.4	173.7	86.9	7.2	0.0	0.0
57.5°	0.0	0.0	0.0	0.8	6.4	17.7	12.1	3.2	0.8	0.8	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
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):**

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	211.5	211.5	211.5	211.5	211.5	211.5	211.5	211.5
2.5°	276.7	267.0	253.4	213.2	178.6	148.0	130.3	121.5
5°	353.9	330.6	299.2	212.4	144.8	96.5	72.4	63.5
7.5°	427.9	401.4	348.3	209.1	111.0	56.3	31.4	24.9
10°	460.1	440.8	393.3	204.3	80.4	26.5	26.5	27.3
12.5°	473.0	458.5	419.9	197.1	53.1	25.7	27.3	25.7
15°	481.8	468.1	432.7	189.0	30.6	26.5	21.7	19.3
17.5°	486.6	470.6	436.8	173.7	20.1	22.5	13.7	11.3
20°	501.9	476.2	440.0	156.0	19.3	15.3	7.2	5.6
22.5°	527.7	487.4	440.8	134.3	15.3	8.8	2.4	0.0
25°	551.0	502.7	443.2	106.2	4.8	2.4	0.0	0.0
27.5°	562.2	507.6	442.4	74.8	0.0	0.0	0.0	0.0
30°	548.6	495.5	435.2	46.7	0.0	0.0	0.0	0.0
32.5°	516.4	486.6	412.6	20.1	0.0	0.0	0.0	0.0
35°	505.9	467.3	361.2	2.4	0.0	0.0	0.0	0.0
37.5°	482.6	411.8	265.4	0.0	0.0	0.0	0.0	0.0
40°	415.1	297.6	126.3	0.0	0.0	0.0	0.0	0.0
42.5°	274.3	127.1	7.2	0.0	0.0	0.0	0.0	0.0
45°	96.5	8.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.8	0.8	0.0	0.0	0.0	0.0
67.5°	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0
70°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
72.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
75°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
77.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0
87.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)