

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: P1309142

Luminaire Tested: LDSQA3D09R609030DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309142  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R609030DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

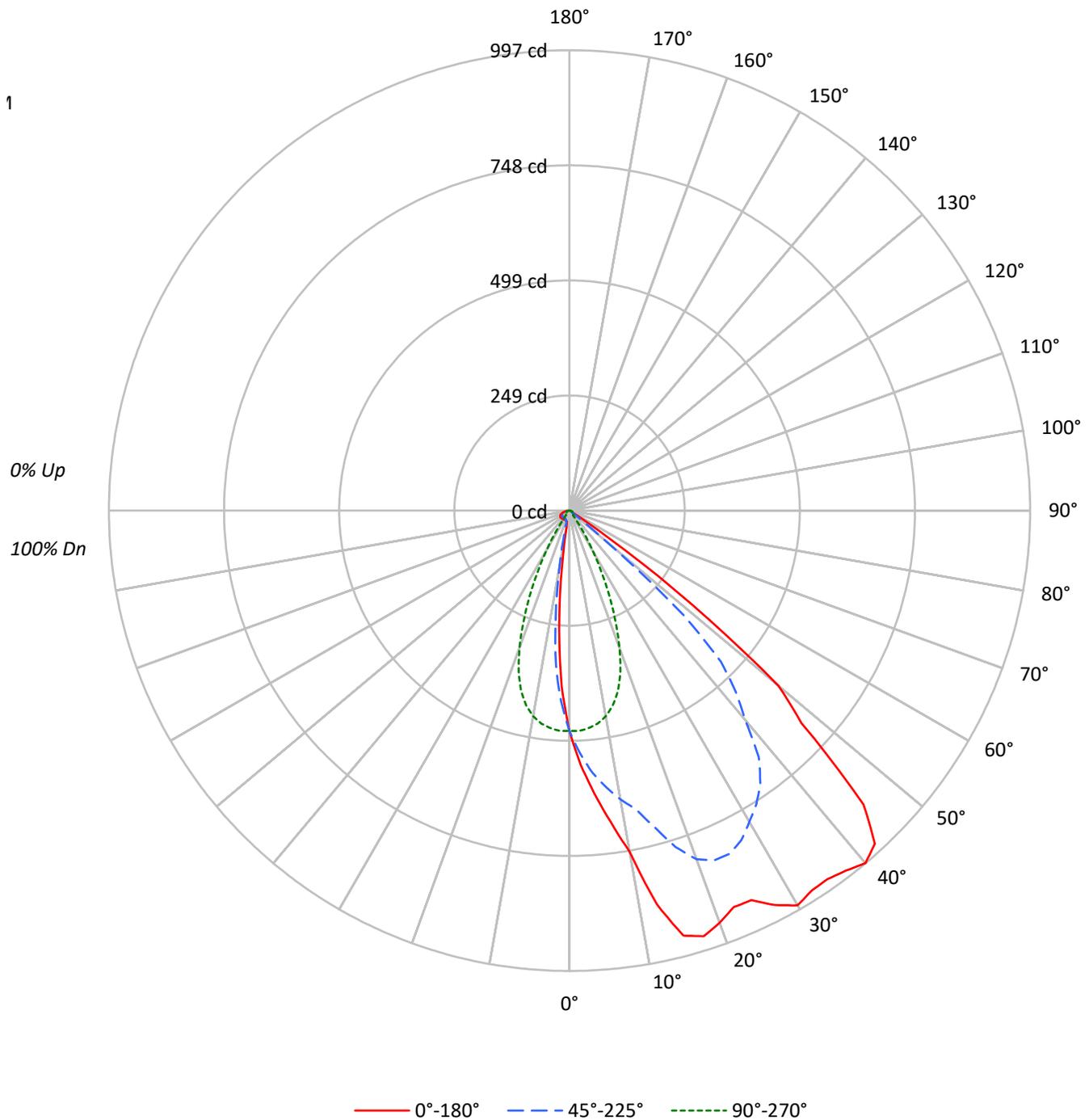
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 775.0 lumens  
Efficiency: N/A  
Efficacy: 69.8 lumens/watt  
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26  
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	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	88	85	83	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	81	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	64	60	58
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	58	53	49	47
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	50	45	41	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	47	41	38	36

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

	0°	45°	90°	135°	180°
0°	82167	82167	82167	82167	82167
5°	106131	98542	81721	58192	44396
10°	131160	111066	79080	22017	6523
15°	169865	126413	72139	4832	4297
20°	174057	147244	58062	4032	4160
25°	176858	155860	38936	3896	4181
30°	196300	154817	20085	3938	4375
35°	204758	151376	5529	4163	4773
40°	224056	132757	2630	4451	5261
45°	219204	112817	2679	4822	5870
50°	157999	27838	2947	5305	6457
55°	30326	1772	3063	5705	7236
60°	1516	1757	3031	6062	7819
65°	1508	1793	2975	6276	8354
70°	1460	1863	2971	6244	8460
75°	1464	1930	2928	6321	8784
80°	694	2182	2876	6546	8728
85°	1383	1383	2964	5730	8695

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 219204 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.5	5.4
10°-20°	114.5	14.8
20°-30°	176.3	22.7
30°-40°	206.9	26.7
40°-50°	165.9	21.4
50°-60°	51.5	6.6
60°-70°	9.7	1.3
70°-80°	6.5	0.8
80°-90°	2.3	0.3
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°	332.3	42.9
0°-40°	539.2	69.6
0°-60°	756.6	97.6
0°-90°	775.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	775.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	477	477	477	477	477	
5°	614	570	473	337	257	63
15°	953	709	405	27	24	261
25°	931	820	205	20	22	439
35°	974	720	26	20	23	616
45°	900	463	11	20	24	644
55°	101	6	10	19	24	160
65°	4	4	7	15	20	3
75°	2	3	4	10	13	2
85°	1	1	2	3	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°	50°
0°	477.1	477.1	477.1	477.1	477.1	477.1	477.1	477.1	477.1	477.1	477.1
2.5°	550.2	544.4	544.4	542.2	540.0	540.7	534.9	537.1	531.2	526.8	523.2
5°	613.9	606.6	605.8	602.2	598.5	595.6	588.3	583.9	575.1	570.0	559.0
7.5°	679.7	673.9	670.2	665.8	659.3	651.9	639.5	631.5	617.6	603.6	589.7
10°	750.0	744.9	736.8	731.7	713.4	701.7	684.9	673.9	653.4	635.1	613.9
12.5°	872.9	870.0	854.6	844.4	818.0	794.6	758.0	728.8	692.2	662.2	633.6
15°	952.7	949.0	941.0	931.4	914.6	888.3	855.4	814.4	763.2	709.0	660.7
17.5°	966.6	967.3	962.2	960.0	949.0	932.2	905.8	875.1	823.9	763.9	698.0
20°	949.7	955.6	954.1	958.5	960.7	954.1	936.6	906.6	861.9	803.4	729.5
22.5°	929.3	934.4	932.9	941.0	953.4	960.0	954.1	930.0	884.6	819.5	747.1
25°	930.7	934.4	923.4	928.5	944.6	960.7	961.4	940.2	891.2	820.2	745.6
27.5°	962.9	951.9	927.1	924.9	944.6	965.1	966.6	940.2	881.7	804.9	731.0
30°	987.1	979.0	951.2	947.5	966.6	980.5	973.2	932.2	859.0	778.5	709.7
32.5°	975.4	976.8	965.1	976.8	1001.7	1007.5	976.8	913.2	827.5	752.9	684.9
35°	973.9	979.7	986.3	1004.6	1021.4	1007.5	958.5	877.3	793.9	720.0	646.1
37.5°	982.7	992.2	1001.7	1017.8	1017.8	981.9	910.2	831.9	753.6	673.2	565.6
40°	996.6	1002.4	1005.4	1003.9	984.1	931.4	855.4	777.1	702.4	590.5	512.2
42.5°	978.3	977.5	974.6	962.2	925.6	856.8	785.8	722.2	604.4	532.7	443.4
45°	900.0	900.0	891.9	872.2	838.5	781.5	718.5	625.6	551.0	463.2	329.3
47.5°	681.2	676.1	684.9	696.6	696.6	691.5	634.4	553.9	477.8	334.4	105.4
50°	589.7	581.7	570.7	572.9	571.5	577.3	540.7	480.0	353.4	103.9	7.3
52.5°	333.7	348.3	384.1	434.6	457.3	465.4	442.7	365.1	119.3	6.6	5.9
55°	101.0	103.9	117.8	144.9	196.8	251.7	255.4	118.5	8.0	5.9	5.9
57.5°	4.4	4.4	5.9	8.8	20.5	30.7	32.9	7.3	5.1	5.9	5.9
60°	4.4	4.4	4.4	4.4	4.4	4.4	5.1	5.1	5.1	5.1	5.9
62.5°	3.7	3.7	4.4	4.4	4.4	4.4	4.4	4.4	5.1	5.1	5.1
65°	3.7	3.7	3.7	3.7	3.7	3.7	4.4	4.4	4.4	4.4	5.1
67.5°	2.9	2.9	2.9	3.7	3.7	3.7	3.7	3.7	4.4	4.4	4.4
70°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.7	3.7	3.7	3.7
72.5°	2.2	2.2	2.2	2.2	2.2	2.9	2.9	2.9	2.9	2.9	3.7
75°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.9	2.9	2.9	2.9
77.5°	1.5	1.5	1.5	1.5	1.5	2.2	2.2	2.2	2.2	2.2	2.2
80°	0.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.2	2.2
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	1.5	1.5	1.5	1.5	1.5
85°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5
87.5°	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7
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):**

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	477.1	477.1	477.1	477.1	477.1	477.1	477.1	477.1
2.5°	518.0	512.2	505.6	477.8	450.7	414.1	389.3	381.9
5°	549.5	540.0	525.4	472.7	409.0	336.6	278.0	256.8
7.5°	575.8	561.2	540.7	465.4	359.3	228.3	147.1	124.4
10°	594.9	576.6	550.2	452.2	293.4	125.9	49.8	37.3
12.5°	611.0	586.8	555.4	432.4	213.7	51.2	25.6	25.6
15°	621.9	592.7	557.6	404.6	138.3	27.1	24.1	24.1
17.5°	637.3	599.3	557.6	365.8	75.4	23.4	23.4	23.4
20°	662.2	605.8	549.5	316.8	41.7	22.0	22.7	22.7
22.5°	675.4	615.4	539.3	259.8	26.3	21.2	22.0	22.0
25°	678.3	613.9	517.3	204.9	21.2	20.5	21.2	22.0
27.5°	668.0	603.6	488.0	149.3	19.0	19.8	21.2	22.0
30°	649.7	578.8	441.2	101.0	17.6	19.8	21.2	22.0
32.5°	615.4	518.8	386.3	60.7	16.8	19.8	21.2	22.7
35°	538.5	455.8	323.4	26.3	16.1	19.8	22.0	22.7
37.5°	482.9	392.9	250.2	13.2	16.1	19.8	22.0	23.4
40°	421.5	316.1	115.6	11.7	16.1	19.8	22.0	23.4
42.5°	321.2	146.3	13.9	11.7	15.4	19.8	22.7	23.4
45°	117.1	15.4	7.3	11.0	15.4	19.8	22.7	24.1
47.5°	8.8	5.9	6.6	11.0	15.4	19.8	22.7	24.1
50°	5.9	5.9	6.6	11.0	15.4	19.8	22.7	24.1
52.5°	5.9	6.6	6.6	10.2	14.6	19.8	22.7	24.1
55°	5.9	6.6	6.6	10.2	14.6	19.0	22.7	24.1
57.5°	5.9	5.9	6.6	9.5	13.9	18.3	22.7	23.4
60°	5.9	5.9	6.6	8.8	13.2	17.6	21.2	22.7
62.5°	5.9	5.9	5.9	8.0	12.4	16.8	20.5	22.0
65°	5.1	5.1	5.9	7.3	11.0	15.4	19.0	20.5
67.5°	4.4	5.1	5.1	6.6	10.2	13.9	17.6	19.0
70°	4.4	4.4	4.4	5.9	8.8	12.4	16.1	16.8
72.5°	3.7	3.7	4.4	5.1	8.0	11.0	14.6	15.4
75°	2.9	3.7	3.7	4.4	6.6	9.5	12.4	13.2
77.5°	2.9	2.9	2.9	3.7	5.9	8.0	10.2	11.0
80°	2.2	2.2	2.2	2.9	4.4	6.6	8.0	8.8
82.5°	1.5	2.2	2.2	2.2	3.7	4.4	5.9	6.6
85°	1.5	1.5	1.5	1.5	2.2	2.9	3.7	4.4
87.5°	0.7	0.7	1.5	1.5	1.5	1.5	1.5	2.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)