

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: P1327004

Luminaire Tested: LDSQA3D09R55W2N902765DE010 3LSQCA30R 1MW\_3500K

Issue Date: 1/29/2026

**Test Information**

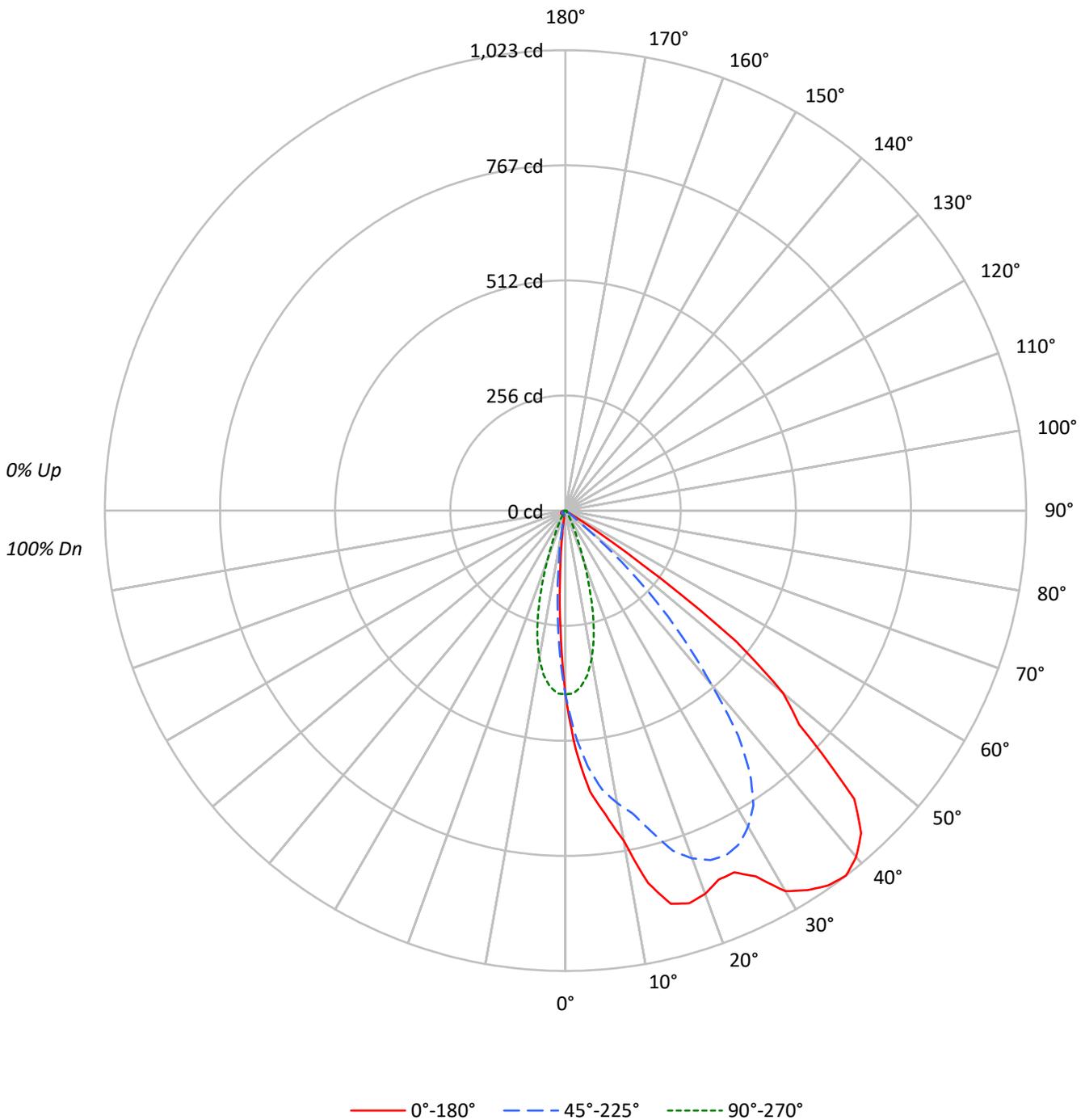
Test Method: LM-79-2019  
Report Number: P1327004  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-66)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R55W2N902765DE010 3LSQCA30R 1MW\_3500K  
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 3500K CCT AND, 90CRI ,  
3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 681.0 lumens  
Efficiency: N/A  
Efficacy: 75.7 lumens/watt  
Spacing Criteria (0/90/45): 1.79 / 0.55 / 1.22  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 9  
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	110	107	104	102	103	100	98	99	97	95	95	94	93	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	88	86	83	81
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	75	71	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	63	59	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	59	54	50	48
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	50	45	41	40
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	47	42	38	37

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

	0°	45°	90°	135°	180°
0°	70301	70301	70301	70301	70301
5°	108396	98680	67907	34870	22907
10°	130250	115350	58445	8796	3515
15°	161271	131727	41775	2425	1890
20°	166103	150707	21572	1631	1631
25°	168497	160516	8646	1463	1691
30°	194212	161280	3759	1531	1770
35°	213798	150367	1619	1619	1997
40°	225810	113175	922	1866	2136
45°	220860	69147	852	2022	2582
50°	168957	14736	938	2385	3001
55°	62004	540	1051	2672	3363
60°	620	620	1206	3066	3858
65°	734	734	1426	3138	4116
70°	604	906	1511	3575	4784
75°	399	799	1597	3926	5523
80°	595	1190	1785	4066	5852
85°	0	1186	2371	4742	5928

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 220860 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.9	5.3
10°-20°	102.9	15.1
20°-30°	157.9	23.2
30°-40°	183.9	27.0
40°-50°	147.0	21.6
50°-60°	43.5	6.4
60°-70°	4.7	0.7
70°-80°	3.7	0.5
80°-90°	1.6	0.2
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°	296.7	43.6
0°-40°	480.6	70.6
0°-60°	671.1	98.5
0°-90°	681.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	681.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	408	408	408	408	408	
5°	627	571	393	202	132	62
15°	904	739	234	14	11	250
25°	887	845	46	8	9	421
35°	1017	715	8	8	10	633
45°	907	284	4	8	11	654
55°	206	2	4	9	11	219
65°	2	2	4	8	10	2
75°	1	1	2	6	8	1
85°	0	1	1	2	3	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°	408.2	408.2	408.2	408.2	408.2	408.2	408.2	408.2	408.2	408.2	408.2
2.5°	532.4	532.4	530.6	531.2	530.0	523.5	522.3	514.1	507.0	499.3	492.8
5°	627.0	628.2	626.4	622.9	618.2	613.4	603.4	595.7	585.6	570.8	557.2
7.5°	680.9	679.7	676.7	675.5	672.6	667.3	660.2	651.9	640.1	625.3	609.3
10°	744.8	734.7	731.7	727.0	717.5	706.9	694.5	683.2	673.2	659.6	642.4
12.5°	847.7	845.9	834.1	825.2	812.2	788.5	767.2	742.4	712.8	689.2	666.7
15°	904.5	905.7	900.3	893.2	885.0	865.4	844.1	815.2	780.3	738.8	702.2
17.5°	914.5	916.3	913.3	910.4	908.0	896.8	883.8	863.1	831.1	792.7	738.3
20°	906.3	909.8	910.4	913.9	918.7	913.9	903.3	889.1	862.5	822.3	770.2
22.5°	887.9	894.4	899.2	911.6	924.0	924.0	917.5	906.3	880.2	840.6	787.4
25°	886.7	887.9	889.7	909.8	929.3	933.5	927.5	915.7	887.3	844.7	786.8
27.5°	916.3	908.6	896.8	916.9	940.0	943.5	935.2	919.3	885.5	835.3	766.6
30°	976.6	959.5	934.6	949.4	965.4	961.3	944.7	919.3	873.7	811.0	728.8
32.5°	999.7	990.3	981.4	997.3	1000.3	983.2	953.6	915.7	854.8	776.7	666.7
35°	1016.9	1017.5	1013.9	1016.9	1002.7	978.4	945.9	896.2	819.3	715.2	584.4
37.5°	1022.8	1024.0	1016.3	1005.6	984.3	956.5	917.5	860.7	760.1	630.6	460.2
40°	1004.4	1000.9	988.5	973.7	950.6	922.2	879.6	795.0	672.0	503.4	359.1
42.5°	971.9	966.0	951.2	933.5	909.2	873.1	805.1	702.8	546.0	392.8	251.4
45°	906.8	902.7	884.4	871.3	842.4	795.6	708.1	579.1	422.4	283.9	145.5
47.5°	704.5	705.1	719.3	725.8	715.8	678.5	575.6	440.1	308.2	169.2	49.1
50°	630.6	627.6	613.4	593.9	561.4	505.8	422.4	311.2	182.2	55.0	7.1
52.5°	478.6	478.6	471.5	461.4	427.1	373.3	285.7	172.1	63.9	9.5	1.8
55°	206.5	195.8	201.7	213.0	204.1	177.5	133.7	51.5	11.2	1.8	1.8
57.5°	3.0	7.1	10.6	17.2	23.1	27.8	14.8	5.3	1.8	1.8	1.8
60°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
62.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
65°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
67.5°	1.2	1.2	1.2	1.8	1.2	1.8	1.8	1.8	1.8	1.8	1.8
70°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.8	1.8
72.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
75°	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
77.5°	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
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°	408.2	408.2	408.2	408.2	408.2	408.2	408.2	408.2
2.5°	483.3	473.2	456.7	406.4	354.3	306.4	272.1	259.1
5°	541.9	523.5	495.7	392.8	289.3	201.7	152.0	132.5
7.5°	588.0	564.3	524.1	369.1	212.4	107.7	64.5	50.9
10°	618.8	592.7	540.1	334.2	140.8	50.3	24.3	20.1
12.5°	641.2	608.7	546.0	289.3	82.8	23.1	13.0	11.8
15°	657.8	615.8	538.9	234.3	45.5	13.6	10.6	10.6
17.5°	680.9	619.4	521.7	172.7	26.0	10.1	10.1	10.1
20°	698.6	619.4	489.2	117.7	16.0	8.9	8.9	8.9
22.5°	707.5	609.9	449.6	74.5	11.2	8.3	8.9	8.9
25°	698.6	586.8	398.7	45.5	8.9	7.7	8.3	8.9
27.5°	666.1	540.7	330.7	29.0	7.1	7.7	8.3	8.9
30°	611.7	473.8	253.8	18.9	6.5	7.7	8.3	8.9
32.5°	534.8	374.4	164.5	12.4	5.9	7.7	8.3	8.9
35°	417.6	265.0	99.4	7.7	5.9	7.7	8.9	9.5
37.5°	312.9	176.9	53.8	4.7	5.9	7.7	8.9	9.5
40°	217.1	102.9	23.1	4.1	5.9	8.3	9.5	9.5
42.5°	126.0	40.8	5.9	3.5	5.9	8.3	9.5	10.1
45°	46.1	8.3	1.8	3.5	6.5	8.3	9.5	10.6
47.5°	6.5	1.8	1.8	3.5	6.5	8.3	10.1	10.6
50°	1.8	1.8	1.8	3.5	6.5	8.9	10.6	11.2
52.5°	1.8	1.8	1.8	3.5	6.5	8.9	10.6	11.2
55°	1.8	1.8	1.8	3.5	6.5	8.9	10.6	11.2
57.5°	1.8	1.8	1.8	3.5	6.5	8.9	10.6	11.2
60°	1.8	1.8	1.8	3.5	5.9	8.9	10.6	11.2
62.5°	1.8	1.8	1.8	3.5	5.9	8.3	10.1	10.6
65°	1.8	1.8	1.8	3.5	5.3	7.7	10.1	10.1
67.5°	1.8	1.8	1.8	3.0	5.3	7.7	9.5	10.1
70°	1.8	1.8	1.8	3.0	4.7	7.1	8.9	9.5
72.5°	1.8	1.8	1.8	2.4	4.1	6.5	8.3	8.9
75°	1.2	1.8	1.8	2.4	4.1	5.9	7.7	8.3
77.5°	1.2	1.8	1.8	1.8	3.5	4.7	6.5	7.1
80°	1.2	1.2	1.8	1.8	3.0	4.1	5.3	5.9
82.5°	1.2	1.2	1.2	1.8	2.4	3.0	4.1	4.1
85°	1.2	1.2	1.2	1.2	1.8	2.4	3.0	3.0
87.5°	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)