

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: P1326558

Luminaire Tested: LDSQA3D09R35W2N902765DE010 3LSQCA30R 1MW\_2700K

Issue Date: 1/29/2026

**Test Information**

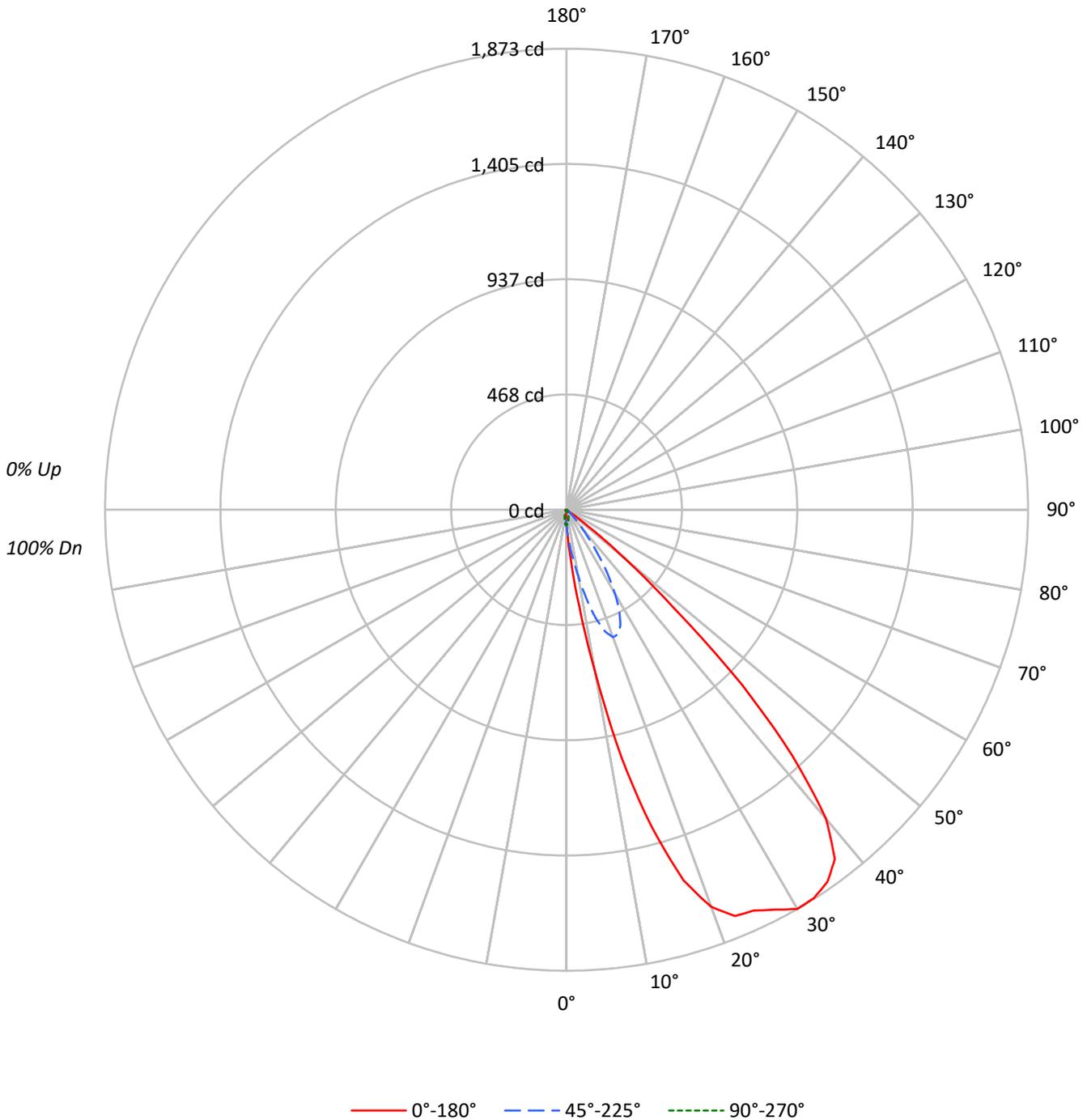
Test Method: LM-79-2019  
Report Number: P1326558  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R35W2N902765DE010 3LSQCA30R 1MW\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 2700K CCT AND, 90CRI ,  
3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 589.0 lumens  
Efficiency: N/A  
Efficacy: 65.4 lumens/watt  
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25  
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	104	110	107	104	102	103	101	99	99	98	96	96	94	93	96	94	93	91	
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	89	87	84	83	
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	82	79	76	74	
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	76	72	69	67	
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	70	66	62	61	
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	65	60	56	55	
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	60	55	51	49	
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	55	50	46	45	
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	51	46	42	41	
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	47	42	39	37	

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

	0°	45°	90°	135°	180°
0°	10661	10661	10661	10661	10661
5°	36288	23581	9958	4201	3112
10°	116784	47812	7852	1574	1014
15°	237939	81072	5563	571	374
20°	314647	100966	3592	202	202
25°	341402	98168	2014	95	209
30°	372416	78234	835	99	219
35°	388070	48693	231	105	231
40°	368256	21268	112	247	360
45°	245825	8500	122	390	633
50°	82442	1420	295	563	857
55°	4594	150	330	781	1111
60°	379	172	551	896	1274
65°	448	204	652	1060	1508
70°	252	252	806	1309	1611
75°	333	333	1065	1397	1730
80°	0	496	1587	1587	1587
85°	0	988	3162	988	2174

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 245825 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.7	1.8
10°-20°	84.6	14.4
20°-30°	178.6	30.3
30°-40°	202.6	34.4
40°-50°	99.7	16.9
50°-60°	8.6	1.5
60°-70°	1.8	0.3
70°-80°	1.6	0.3
80°-90°	0.8	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°	273.9	46.5
0°-40°	476.5	80.9
0°-60°	584.8	99.3
0°-90°	589.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	589.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	62	62	62	62	62	
5°	210	136	58	24	18	35
15°	1334	455	31	3	2	379
25°	1797	517	11	0	1	836
35°	1846	232	1	0	1	1138
45°	1009	35	0	2	3	746
55°	15	0	1	3	4	60
65°	1	0	2	3	4	1
75°	0	0	2	2	3	0
85°	0	0	2	0	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°	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
2.5°	107.3	110.0	108.9	108.4	107.9	105.7	101.0	100.5	95.7	92.5	76.7
5°	209.9	205.7	206.7	200.9	193.5	182.9	176.1	161.3	149.1	136.4	89.4
7.5°	395.5	389.7	378.6	361.6	344.2	321.5	287.1	259.6	227.9	197.7	99.4
10°	667.8	664.6	650.3	607.0	568.9	508.1	451.0	390.7	331.5	273.4	106.3
12.5°	1031.5	1009.9	984.0	926.3	851.2	775.1	662.5	558.3	463.7	366.4	106.8
15°	1334.5	1320.8	1284.3	1209.2	1118.8	1008.8	875.0	734.9	592.2	454.7	101.5
17.5°	1578.2	1557.1	1510.0	1436.5	1332.4	1189.6	1033.1	862.3	688.4	517.6	92.5
20°	1716.8	1705.7	1669.7	1596.2	1482.5	1326.6	1148.4	949.6	748.7	550.9	80.9
22.5°	1786.6	1778.6	1752.2	1693.5	1587.2	1430.2	1226.1	995.1	766.1	547.2	68.7
25°	1796.6	1794.5	1771.8	1727.3	1638.5	1483.1	1259.9	1003.5	751.8	516.6	57.1
27.5°	1831.5	1824.1	1797.1	1752.7	1663.4	1492.1	1248.3	974.4	705.8	462.6	47.6
30°	1872.7	1867.5	1840.5	1794.5	1688.7	1483.6	1207.1	909.9	632.4	393.4	35.4
32.5°	1869.6	1867.5	1844.7	1796.1	1670.8	1433.9	1133.6	813.2	532.4	310.4	22.2
35°	1845.8	1838.4	1809.8	1734.7	1568.2	1305.9	994.0	682.1	421.4	231.6	14.3
37.5°	1788.7	1772.8	1724.7	1597.3	1384.7	1108.7	809.5	526.6	298.2	154.9	9.0
40°	1638.0	1617.9	1521.1	1367.3	1144.7	873.5	602.2	362.2	196.7	94.6	3.7
42.5°	1358.8	1318.1	1221.4	1063.3	854.4	617.5	395.5	234.8	115.8	57.1	1.1
45°	1009.3	978.1	876.6	733.3	559.9	396.0	239.5	126.9	64.0	34.9	0.5
47.5°	587.9	568.9	516.6	422.5	309.3	207.8	122.7	68.2	37.5	16.9	0.5
50°	307.7	283.9	244.3	185.1	136.4	95.7	59.7	36.5	18.5	5.3	0.5
52.5°	107.9	106.3	96.8	73.0	59.2	42.8	29.1	15.9	5.3	1.1	0.5
55°	15.3	15.3	14.3	15.9	16.9	15.3	10.0	4.2	1.1	0.5	0.5
57.5°	1.1	1.1	1.1	1.6	2.1	2.1	1.6	0.5	0.5	0.5	1.1
60°	1.1	1.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1
62.5°	1.1	1.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1
65°	1.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.6
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.6
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.6
77.5°	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	1.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.1
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°	61.9	61.9	61.9	61.9	61.9
2.5°	61.3	49.2	39.1	34.4	32.8
5°	57.6	37.0	24.3	19.0	18.0
7.5°	51.3	26.4	14.8	10.6	10.0
10°	44.9	19.0	9.0	6.3	5.8
12.5°	37.5	13.2	5.8	3.7	3.2
15°	31.2	9.0	3.2	2.6	2.1
17.5°	24.9	5.8	2.1	1.6	2.1
20°	19.6	3.7	1.1	1.1	1.1
22.5°	14.8	2.1	1.1	1.1	1.1
25°	10.6	1.1	0.5	0.5	1.1
27.5°	7.4	0.5	0.5	0.5	1.1
30°	4.2	0.5	0.5	0.5	1.1
32.5°	2.1	0.5	0.5	1.1	1.1
35°	1.1	0.5	0.5	1.1	1.1
37.5°	0.5	0.5	0.5	1.1	1.6
40°	0.5	0.5	1.1	1.6	1.6
42.5°	0.5	0.5	1.1	1.6	2.1
45°	0.5	1.1	1.6	2.1	2.6
47.5°	1.1	1.1	2.1	2.6	3.2
50°	1.1	1.6	2.1	3.2	3.2
52.5°	1.1	1.6	2.6	3.2	3.7
55°	1.1	2.1	2.6	3.7	3.7
57.5°	1.6	2.1	2.6	3.7	3.7
60°	1.6	2.1	2.6	3.7	3.7
62.5°	1.6	2.1	2.6	3.7	3.7
65°	1.6	2.1	2.6	3.7	3.7
67.5°	1.6	2.1	2.6	3.2	3.7
70°	1.6	2.1	2.6	3.2	3.2
72.5°	2.1	2.1	2.6	3.2	3.2
75°	1.6	2.1	2.1	2.6	2.6
77.5°	1.6	1.6	1.6	2.1	2.1
80°	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	1.1	1.1	1.6	1.6
85°	1.6	1.1	0.5	1.1	1.1
87.5°	1.1	1.1	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)