

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: P1326285

Luminaire Tested: LDSQA3D09R30W2N902750DE010 3LSQCA30R 1MW\_3000K

Issue Date: 1/29/2026

**Test Information**

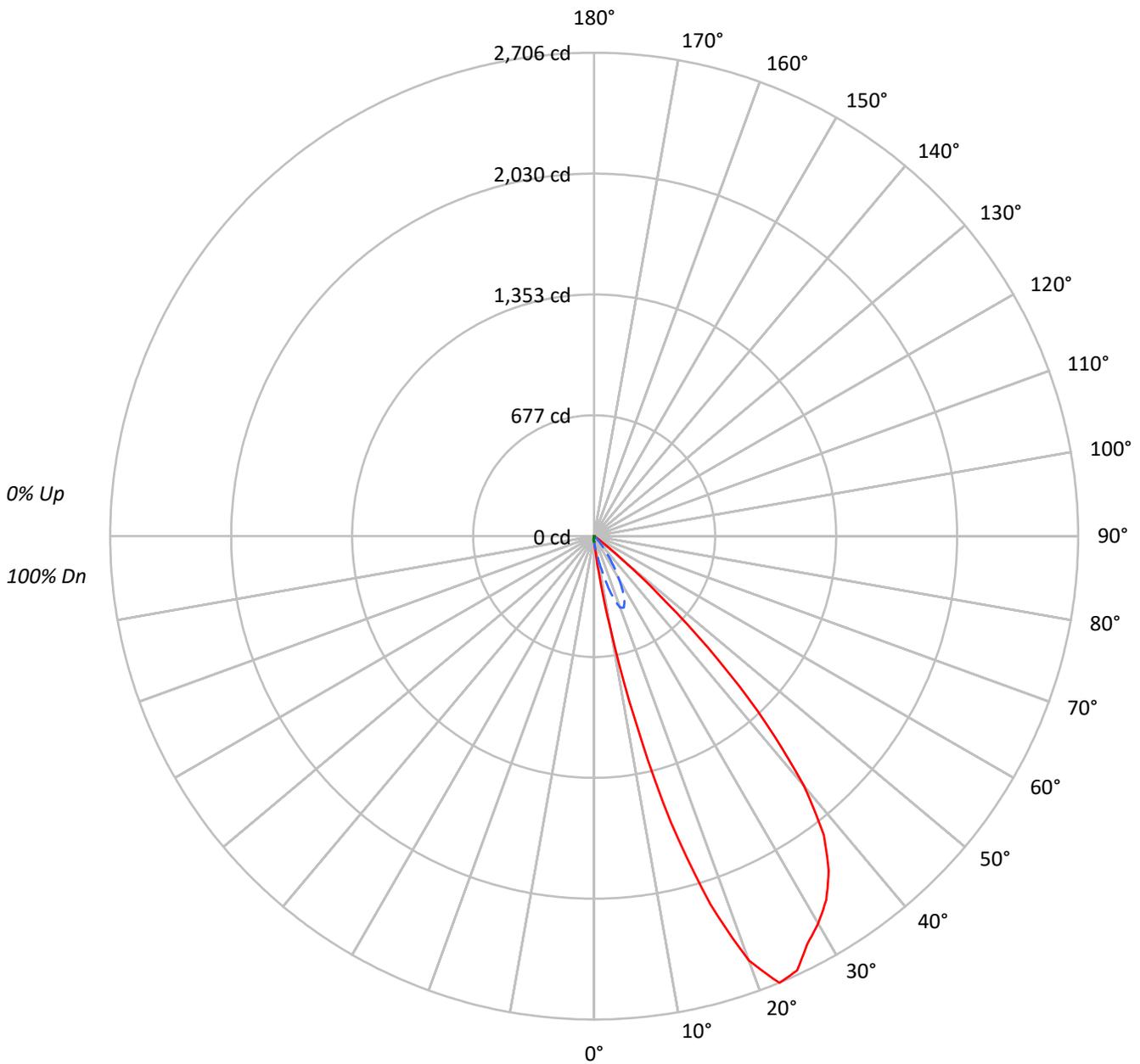
Test Method: LM-79-2019  
Report Number: P1326285  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R30W2N902750DE010 3LSQCA30R 1MW\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 638.0 lumens  
Efficiency: N/A  
Efficacy: 70.9 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): 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



— 0°-180°    - - 45°-225°    - - - 90°-270°



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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	100	100	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92	92	92	92
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83	83	83	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75	75	75	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68	68	68	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61	61	61	61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55	55	55	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50	50	50	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45	45	45	45
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	41	41	41	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37	37	37	37

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

	0°	45°	90°	135°	180°
0°	5218	5218	5218	5218	5218
5°	15715	10477	4944	2213	1815
10°	91042	22227	3882	1014	717
15°	296135	50405	2710	214	107
20°	463394	78002	1704	0	0
25°	509823	76220	893	0	0
30°	497940	54947	338	0	0
35°	480599	31263	126	0	0
40°	409848	13242	0	0	0
45°	240539	4969	146	0	146
50°	58409	938	161	161	455
55°	5074	0	360	510	691
60°	207	0	413	586	999
65°	245	245	693	693	1182
70°	302	302	856	856	1158
75°	0	399	1131	1131	1131
80°	0	595	1686	1190	1190
85°	0	1186	3359	1186	1186

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 240539 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.6	0.9
10°-20°	87.7	13.7
20°-30°	222.8	34.9
30°-40°	222.1	34.8
40°-50°	90.0	14.1
50°-60°	6.2	1.0
60°-70°	1.4	0.2
70°-80°	1.4	0.2
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°	316.1	49.5
0°-40°	538.2	84.4
0°-60°	634.4	99.4
0°-90°	638.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	638.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	30	30	30	30	30	
5°	91	61	29	13	10	21
15°	1661	283	15	1	1	483
25°	2683	401	5	0	0	1211
35°	2286	149	1	0	0	1401
45°	988	20	1	0	1	753
55°	17	0	1	2	2	44
65°	1	1	2	2	3	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°	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
2.5°	50.1	50.7	50.7	49.6	49.0	49.0	47.2	46.6	44.9	43.1	37.3
5°	90.9	89.2	86.9	86.9	81.6	78.7	74.6	70.0	66.5	60.6	43.1
7.5°	206.4	192.4	188.3	183.1	163.2	147.5	129.4	113.7	99.1	86.9	47.8
10°	520.6	493.2	470.5	424.4	366.7	311.3	260.0	200.5	159.7	127.1	51.3
12.5°	1048.8	1012.1	968.3	884.4	776.5	638.4	515.9	385.4	270.5	187.1	52.5
15°	1660.9	1598.5	1530.3	1423.7	1247.0	1048.8	827.8	619.7	434.3	282.7	51.3
17.5°	2160.0	2135.5	2034.6	1888.9	1672.6	1417.2	1145.0	860.5	585.9	370.2	47.8
20°	2528.4	2511.5	2389.7	2234.6	1990.9	1698.2	1352.5	1010.9	691.4	425.6	42.6
22.5°	2706.2	2703.3	2615.3	2456.7	2198.4	1866.7	1486.0	1097.8	724.1	433.2	35.6
25°	2682.9	2693.4	2643.3	2525.5	2277.7	1936.1	1525.7	1097.8	700.2	401.1	29.7
27.5°	2576.8	2583.8	2552.3	2461.9	2231.1	1886.0	1470.3	1027.2	630.8	344.5	24.5
30°	2503.9	2506.8	2467.8	2371.0	2126.1	1771.7	1339.7	896.6	525.9	276.3	18.1
32.5°	2415.3	2414.7	2369.3	2258.5	1988.6	1611.4	1174.1	741.0	404.0	209.9	10.5
35°	2285.9	2271.3	2209.5	2081.8	1783.4	1395.7	962.5	564.3	290.9	148.7	6.4
37.5°	2108.1	2070.2	1982.7	1811.9	1495.4	1094.3	713.6	396.4	198.8	98.5	4.1
40°	1823.0	1782.8	1663.8	1456.3	1131.0	787.6	481.0	258.3	125.3	58.9	2.3
42.5°	1429.5	1402.1	1241.8	1034.8	746.8	502.5	289.2	152.7	70.5	33.8	0.6
45°	987.6	952.0	826.1	650.6	448.3	278.7	162.1	79.9	40.2	20.4	0.0
47.5°	545.1	501.4	428.5	337.0	225.6	146.3	81.6	43.1	22.7	9.9	0.0
50°	218.0	216.3	172.0	122.4	86.3	66.5	40.8	23.3	11.7	3.5	0.6
52.5°	76.4	76.4	65.9	53.6	42.0	30.3	20.4	11.1	4.1	1.2	0.6
55°	16.9	18.7	17.5	16.3	15.7	13.4	8.7	4.1	1.2	0.0	0.6
57.5°	1.7	1.7	1.7	2.3	2.9	2.9	2.3	1.2	0.0	0.0	0.6
60°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	1.2
62.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.6	0.6	1.2
65°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2
67.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2
70°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.7
72.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.7
75°	0.0	0.0	0.6	0.6	0.0	0.6	0.6	0.6	0.6	0.6	1.7
77.5°	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.2
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°	30.3	30.3	30.3	30.3	30.3
2.5°	30.3	23.9	19.8	17.5	16.9
5°	28.6	18.1	12.8	11.1	10.5
7.5°	25.7	13.4	8.7	7.0	6.4
10°	22.2	9.9	5.8	4.1	4.1
12.5°	18.7	7.6	3.5	1.7	1.2
15°	15.2	4.7	1.2	0.6	0.6
17.5°	11.7	2.9	0.0	0.0	0.0
20°	9.3	1.2	0.0	0.0	0.0
22.5°	7.0	0.6	0.0	0.0	0.0
25°	4.7	0.0	0.0	0.0	0.0
27.5°	2.9	0.0	0.0	0.0	0.0
30°	1.7	0.0	0.0	0.0	0.0
32.5°	0.6	0.0	0.0	0.0	0.0
35°	0.6	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°	0.6	0.0	0.0	0.6	0.6
47.5°	0.6	0.6	0.6	1.2	1.2
50°	0.6	0.6	0.6	1.2	1.7
52.5°	1.2	0.6	1.2	1.7	1.7
55°	1.2	1.2	1.7	2.3	2.3
57.5°	1.2	1.2	1.7	2.3	2.3
60°	1.2	1.2	1.7	2.3	2.9
62.5°	1.7	1.7	1.7	2.3	2.3
65°	1.7	1.7	1.7	2.3	2.9
67.5°	1.7	1.7	1.7	2.3	2.9
70°	1.7	1.7	1.7	2.3	2.3
72.5°	2.3	1.7	1.7	2.3	2.3
75°	1.7	1.7	1.7	1.7	1.7
77.5°	1.7	1.7	1.2	1.7	1.7
80°	1.7	1.2	1.2	1.2	1.2
82.5°	1.7	1.2	1.2	1.2	1.2
85°	1.7	1.2	0.6	0.6	0.6
87.5°	1.7	1.2	0.6	0.6	0.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)