

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: P1326284

Luminaire Tested: LDSQA3D09R30W2N902750DE010 3LSQCA30R 1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326284
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_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 2700K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

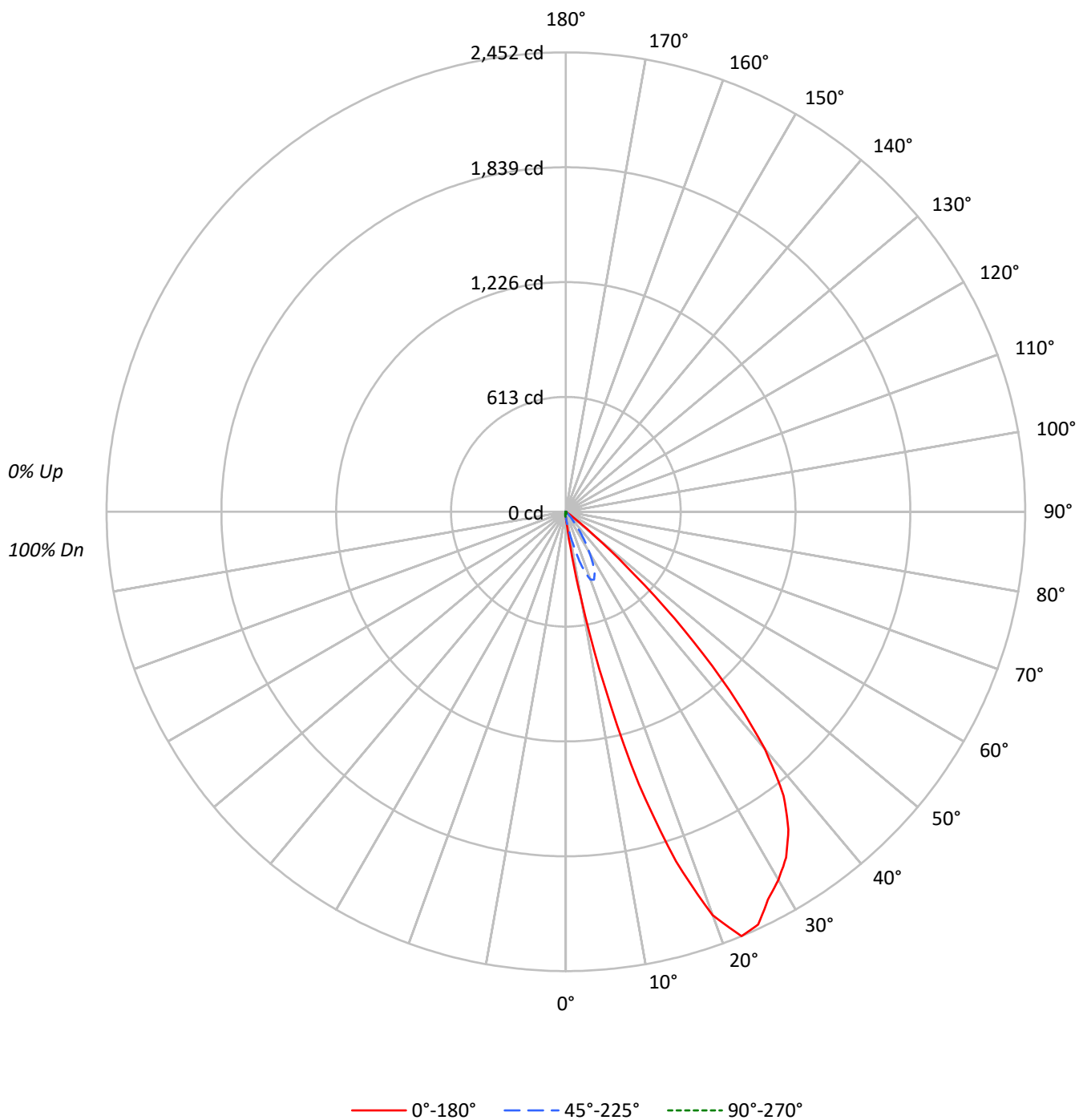
Lumens per Lamp: N/A
Luminaire Lumens: 578.0 lumens
Efficiency: N/A
Efficacy: 64.2 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				0
RW	70	50	30	10	70	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		100
1	113	109	107	104	110	107	105	102	103	101	99		99	98	96		92
2	106	100	95	92	103	98	94	90	95	92	88		92	89	87		83
3	99	92	86	81	97	90	85	81	87	83	79		85	81	78		75
4	93	84	77	72	91	83	77	72	80	75	71		78	74	70		68
5	87	77	70	65	85	76	69	65	74	68	64		72	67	63		61
6	81	71	64	58	80	70	63	58	68	62	58		67	61	57		55
7	76	65	58	53	74	64	57	53	63	57	52		61	56	52		50
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		45
9	67	55	48	43	65	55	48	43	53	47	43		52	47	43		41
10	62	51	44	39	61	50	44	39	49	43	39		49	43	39		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4736	4736	4736	4736	4736
5°	14245	9491	4478	2005	1642
10°	82473	20129	3515	927	647
15°	268285	45680	2443	196	89
20°	419811	70671	1558	0	0
25°	461879	69056	798	0	0
30°	451107	49776	318	0	0
35°	435396	28320	105	0	0
40°	371314	11983	0	0	0
45°	217913	4506	122	0	122
50°	52916	857	134	134	429
55°	4594	0	330	480	631
60°	172	0	379	551	896
65°	204	204	652	652	1060
70°	252	252	806	806	1057
75°	0	333	1065	1065	1065
80°	0	496	1587	1091	1091
85°	0	988	3162	988	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 217913 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.0	0.9
10°-20°	79.4	13.7
20°-30°	201.9	34.9
30°-40°	201.2	34.8
40°-50°	81.5	14.1
50°-60°	5.6	1.0
60°-70°	1.3	0.2
70°-80°	1.3	0.2
80°-90°	0.7	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°	286.4	49.5
0°-40°	487.6	84.4
0°-60°	574.7	99.4
0°-90°	578.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	578.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	28	28	28	28	28	
5°	82	55	26	12	10	19
15°	1505	256	14	1	0	438
25°	2431	363	4	0	0	1097
35°	2071	135	0	0	0	1269
45°	895	18	0	0	0	683
55°	15	0	1	2	2	40
65°	0	0	2	2	3	0
75°	0	0	2	2	2	0
85°	0	0	2	0	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°	67.5°
0°	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
2.5°	45.4	45.9	45.9	44.9	44.4	44.4	42.8	42.3	40.7	39.1	33.8
5°	82.4	80.8	78.7	78.7	73.9	71.3	67.6	63.4	60.2	54.9	39.1
7.5°	187.0	174.3	170.6	165.8	147.9	133.6	117.3	103.0	89.8	78.7	43.3
10°	471.6	446.8	426.2	384.5	332.2	282.0	235.6	181.7	144.7	115.1	46.5
12.5°	950.2	916.9	877.3	801.2	703.5	578.3	467.4	349.1	245.1	169.5	47.5
15°	1504.7	1448.2	1386.4	1289.8	1129.7	950.2	750.0	561.4	393.5	256.2	46.5
17.5°	1956.8	1934.6	1843.3	1711.2	1515.3	1284.0	1037.3	779.6	530.8	335.4	43.3
20°	2290.6	2275.3	2164.9	2024.4	1803.7	1538.5	1225.3	915.8	626.4	385.6	38.6
22.5°	2451.7	2449.1	2369.3	2225.7	1991.7	1691.2	1346.3	994.5	656.0	392.4	32.2
25°	2430.6	2440.1	2394.7	2288.0	2063.5	1754.0	1382.2	994.5	634.3	363.4	26.9
27.5°	2334.5	2340.8	2312.3	2230.4	2021.3	1708.6	1332.0	930.6	571.5	312.1	22.2
30°	2268.4	2271.1	2235.7	2148.0	1926.2	1605.1	1213.7	812.3	476.4	250.3	16.4
32.5°	2188.2	2187.6	2146.4	2046.1	1801.6	1459.8	1063.7	671.3	366.0	190.1	9.5
35°	2070.9	2057.7	2001.7	1886.1	1615.6	1264.4	872.0	511.3	263.6	134.7	5.8
37.5°	1909.8	1875.5	1796.3	1641.5	1354.7	991.4	646.5	359.1	180.1	89.3	3.7
40°	1651.6	1615.1	1507.4	1319.3	1024.6	713.5	435.7	234.0	113.6	53.3	2.1
42.5°	1295.0	1270.2	1125.0	937.5	676.6	455.3	262.0	138.4	63.9	30.6	0.5
45°	894.7	862.5	748.4	589.4	406.2	252.5	146.8	72.4	36.4	18.5	0.0
47.5°	493.8	454.2	388.2	305.3	204.4	132.6	73.9	39.1	20.6	9.0	0.0
50°	197.5	195.9	155.8	110.9	78.2	60.2	37.0	21.1	10.6	3.2	0.5
52.5°	69.2	69.2	59.7	48.6	38.0	27.5	18.5	10.0	3.7	1.1	0.5
55°	15.3	16.9	15.8	14.8	14.3	12.1	7.9	3.7	1.1	0.0	0.5
57.5°	1.6	1.6	1.6	2.1	2.6	2.6	2.1	1.1	0.0	0.0	0.5
60°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	1.1
62.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.5	0.5	1.1
65°	0.5	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°	0.0	0.0	0.5	0.5	0.0	0.5	0.5	0.5	0.5	0.5	1.6
77.5°	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.5	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	0.0	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°	27.5	27.5	27.5	27.5	27.5
2.5°	27.5	21.7	18.0	15.8	15.3
5°	25.9	16.4	11.6	10.0	9.5
7.5°	23.2	12.1	7.9	6.3	5.8
10°	20.1	9.0	5.3	3.7	3.7
12.5°	16.9	6.9	3.2	1.6	1.1
15°	13.7	4.2	1.1	0.5	0.5
17.5°	10.6	2.6	0.0	0.0	0.0
20°	8.5	1.1	0.0	0.0	0.0
22.5°	6.3	0.5	0.0	0.0	0.0
25°	4.2	0.0	0.0	0.0	0.0
27.5°	2.6	0.0	0.0	0.0	0.0
30°	1.6	0.0	0.0	0.0	0.0
32.5°	0.5	0.0	0.0	0.0	0.0
35°	0.5	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°	0.5	0.0	0.0	0.5	0.5
47.5°	0.5	0.5	0.5	1.1	1.1
50°	0.5	0.5	0.5	1.1	1.6
52.5°	1.1	0.5	1.1	1.6	1.6
55°	1.1	1.1	1.6	2.1	2.1
57.5°	1.1	1.1	1.6	2.1	2.1
60°	1.1	1.1	1.6	2.1	2.6
62.5°	1.6	1.6	1.6	2.1	2.1
65°	1.6	1.6	1.6	2.1	2.6
67.5°	1.6	1.6	1.6	2.1	2.6
70°	1.6	1.6	1.6	2.1	2.1
72.5°	2.1	1.6	1.6	2.1	2.1
75°	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.1	1.6	1.6
80°	1.6	1.1	1.1	1.1	1.1
82.5°	1.6	1.1	1.1	1.1	1.1
85°	1.6	1.1	0.5	0.5	0.5
87.5°	1.6	1.1	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)