

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: P1326375

Luminaire Tested: LDSQA3D09R30W2N902765DE010 3LSQCA30R 1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326375
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: LDSQA3D09R30W2N902765DE010 3LSQCA30R 1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 5000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

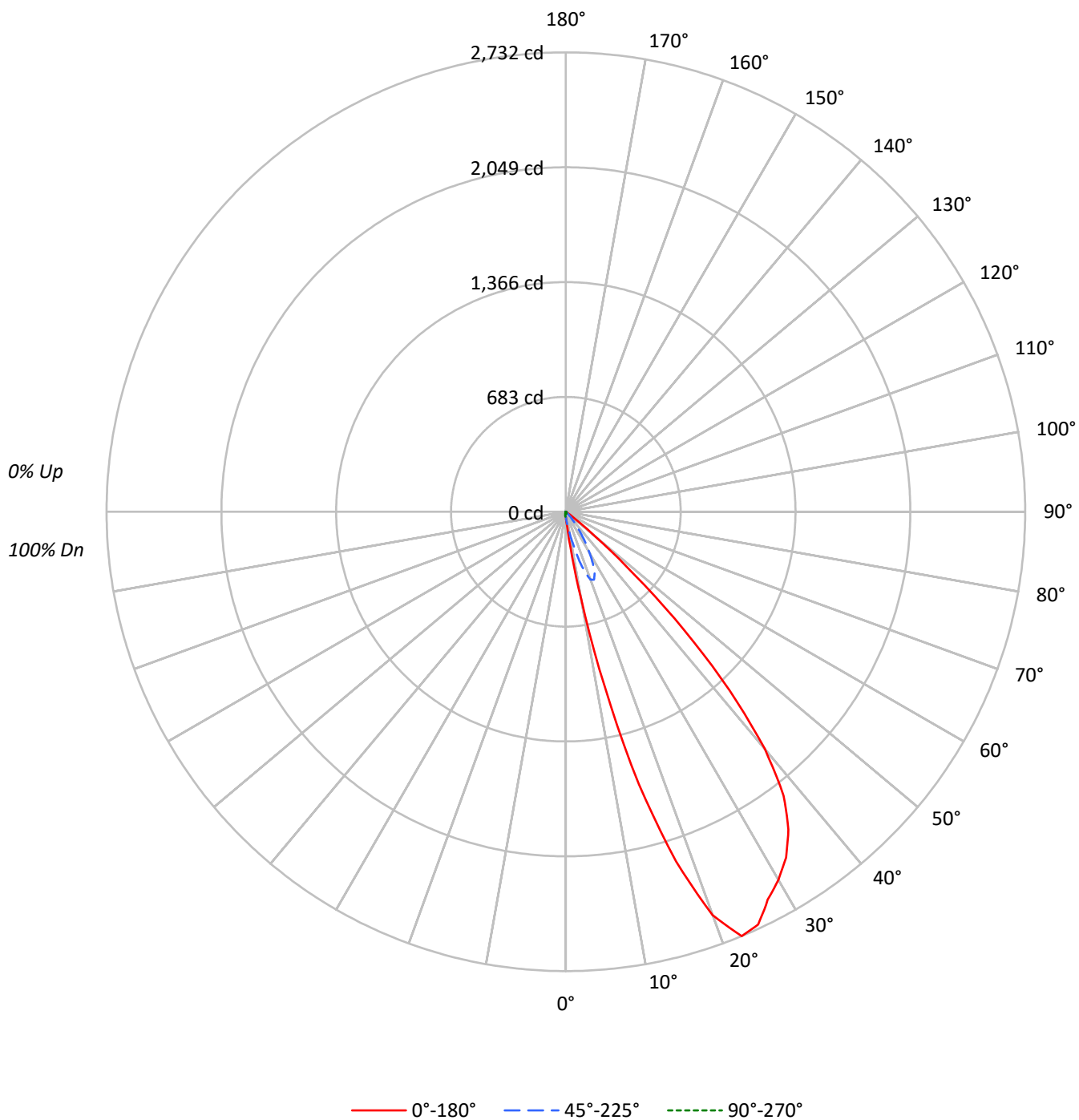
Lumens per Lamp: N/A
Luminaire Lumens: 644.1 lumens
Efficiency: N/A
Efficacy: 71.6 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85
3	99	92	86	81	97	90	85	81	87	83	79	85	81	78	83	79	77
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47
9	66	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5270	5270	5270	5270	5270
5°	15870	10580	4979	2230	1833
10°	91899	22437	3917	1032	717
15°	298917	50886	2728	214	107
20°	467756	78735	1723	0	0
25°	514611	76942	893	0	0
30°	502633	55464	358	0	0
35°	485119	31558	126	0	0
40°	413693	13354	0	0	0
45°	242805	5017	146	0	146
50°	58972	938	161	161	482
55°	5134	0	360	540	721
60°	207	0	413	620	999
65°	245	245	734	734	1182
70°	302	302	906	906	1209
75°	0	399	1198	1198	1198
80°	0	595	1785	1190	1190
85°	0	1186	3557	1186	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 242805 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.6	0.9
10°-20°	88.5	13.7
20°-30°	224.9	34.9
30°-40°	224.2	34.8
40°-50°	90.8	14.1
50°-60°	6.3	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°	319.1	49.5
0°-40°	543.3	84.3
0°-60°	640.4	99.4
0°-90°	644.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	644.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	31	31	31	31	31	
5°	92	61	29	13	11	21
15°	1676	285	15	1	1	488
25°	2708	405	5	0	0	1223
35°	2307	150	1	0	0	1414
45°	997	21	1	0	1	761
55°	17	0	1	2	2	45
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°	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
2.5°	50.6	51.2	51.2	50.0	49.4	49.4	47.7	47.1	45.3	43.5	37.7
5°	91.8	90.0	87.7	87.7	82.4	79.4	75.3	70.6	67.1	61.2	43.5
7.5°	208.3	194.2	190.1	184.8	164.8	148.9	130.6	114.8	100.0	87.7	48.3
10°	525.5	497.8	474.9	428.4	370.1	314.2	262.5	202.4	161.2	128.3	51.8
12.5°	1058.7	1021.6	977.4	892.7	783.8	644.4	520.8	389.0	273.0	188.9	53.0
15°	1676.5	1613.6	1544.7	1437.0	1258.7	1058.7	835.6	625.5	438.4	285.4	51.8
17.5°	2180.3	2155.6	2053.8	1906.6	1688.3	1430.6	1155.8	868.6	591.4	373.7	48.3
20°	2552.2	2535.1	2412.1	2255.6	2009.6	1714.2	1365.2	1020.4	697.9	429.6	43.0
22.5°	2731.7	2728.7	2639.9	2479.8	2219.1	1884.3	1500.0	1108.1	730.9	437.2	35.9
25°	2708.1	2718.7	2668.1	2549.2	2299.1	1954.3	1540.0	1108.1	706.8	404.9	30.0
27.5°	2601.0	2608.1	2576.3	2485.1	2252.1	1903.7	1484.1	1036.9	636.7	347.8	24.7
30°	2527.5	2530.4	2491.0	2393.3	2146.1	1788.4	1352.3	905.1	530.8	278.9	18.2
32.5°	2438.0	2437.4	2391.5	2279.7	2007.3	1626.5	1185.2	747.9	407.8	211.8	10.6
35°	2307.4	2292.7	2230.3	2101.4	1800.1	1408.8	971.6	569.6	293.6	150.1	6.5
37.5°	2127.9	2089.7	2001.4	1829.0	1509.4	1104.6	720.3	400.2	200.7	99.5	4.1
40°	1840.1	1799.5	1679.5	1470.0	1141.6	795.0	485.5	260.7	126.5	59.4	2.4
42.5°	1442.9	1415.3	1253.4	1044.5	753.8	507.3	291.9	154.2	71.2	34.1	0.6
45°	996.9	961.0	833.9	656.7	452.5	281.3	163.6	80.6	40.6	20.6	0.0
47.5°	550.2	506.1	432.5	340.1	227.7	147.7	82.4	43.5	23.0	10.0	0.0
50°	220.1	218.3	173.6	123.6	87.1	67.1	41.2	23.5	11.8	3.5	0.6
52.5°	77.1	77.1	66.5	54.1	42.4	30.6	20.6	11.2	4.1	1.2	0.6
55°	17.1	18.8	17.7	16.5	15.9	13.5	8.8	4.1	1.2	0.0	0.6
57.5°	1.8	1.8	1.8	2.4	2.9	2.9	2.4	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	1.8
72.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.8
75°	0.0	0.0	0.6	0.6	0.0	0.6	0.6	0.6	0.6	0.6	1.8
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°	30.6	30.6	30.6	30.6	30.6
2.5°	30.6	24.1	20.0	17.7	17.1
5°	28.8	18.2	12.9	11.2	10.6
7.5°	25.9	13.5	8.8	7.1	6.5
10°	22.4	10.0	5.9	4.1	4.1
12.5°	18.8	7.7	3.5	1.8	1.2
15°	15.3	4.7	1.2	0.6	0.6
17.5°	11.8	2.9	0.0	0.0	0.0
20°	9.4	1.2	0.0	0.0	0.0
22.5°	7.1	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°	1.8	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	1.8
52.5°	1.2	0.6	1.2	1.8	1.8
55°	1.2	1.2	1.8	2.4	2.4
57.5°	1.2	1.2	1.8	2.4	2.4
60°	1.2	1.2	1.8	2.4	2.9
62.5°	1.8	1.8	1.8	2.4	2.4
65°	1.8	1.8	1.8	2.4	2.9
67.5°	1.8	1.8	1.8	2.4	2.9
70°	1.8	1.8	1.8	2.4	2.4
72.5°	2.4	1.8	1.8	2.4	2.4
75°	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.2	1.8	1.8
80°	1.8	1.2	1.2	1.2	1.2
82.5°	1.8	1.2	1.2	1.2	1.2
85°	1.8	1.2	0.6	0.6	0.6
87.5°	1.8	1.2	0.6	0.6	0.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)