

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: P1324682

Luminaire Tested: LDSQA3D05R30W2N902750DE010 3LSQCA30R 1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324682
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: LDSQA3D05R30W2N902750DE010 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

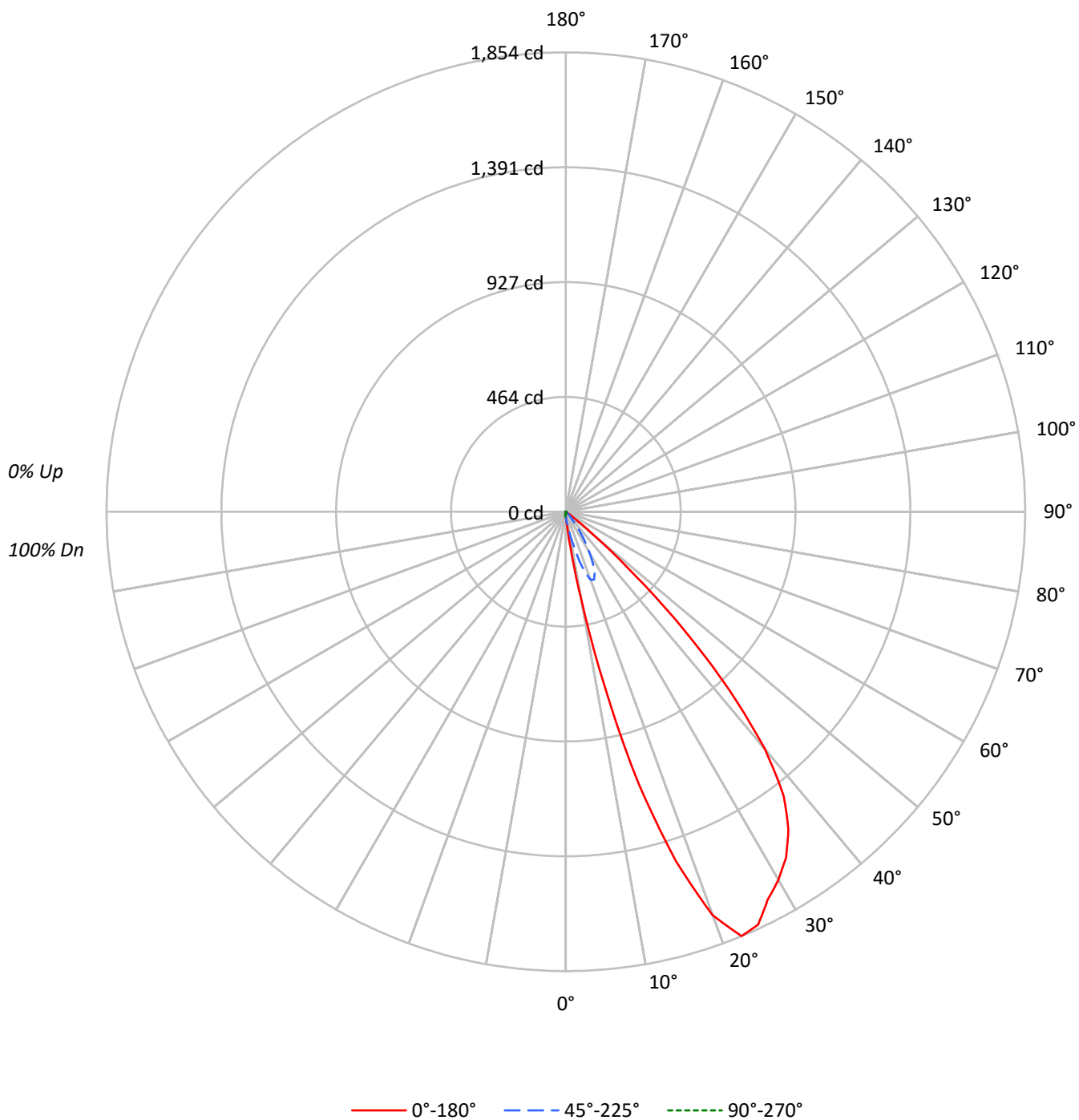
Lumens per Lamp: N/A
Luminaire Lumens: 437.0 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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	50	30
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92	
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83	
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75	
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68	
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61	
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55	
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50	
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45	
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	41	
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3582	3582	3582	3582	3582
5°	10770	7175	3388	1521	1245
10°	62362	15232	2658	700	490
15°	202850	34536	1854	143	71
20°	317397	53425	1173	0	0
25°	349212	52200	608	0	0
30°	341074	37645	239	0	0
35°	329181	21403	84	0	0
40°	280734	9060	0	0	0
45°	164744	3410	97	0	97
50°	40002	643	107	107	322
55°	3483	0	240	360	480
60°	138	0	276	413	689
65°	163	163	489	489	815
70°	201	201	604	604	806
75°	0	266	799	799	799
80°	0	397	1190	793	793
85°	0	790	2371	790	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 164744 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.8	0.9
10°-20°	60.1	13.7
20°-30°	152.6	34.9
30°-40°	152.1	34.8
40°-50°	61.6	14.1
50°-60°	4.3	1.0
60°-70°	1.0	0.2
70°-80°	1.0	0.2
80°-90°	0.6	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°	216.5	49.5
0°-40°	368.6	84.4
0°-60°	434.5	99.4
0°-90°	437.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	437.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	21	21	21	21	21	
5°	62	42	20	9	7	14
15°	1138	194	10	1	0	331
25°	1838	275	3	0	0	830
35°	1566	102	0	0	0	960
45°	676	14	0	0	0	516
55°	12	0	1	1	2	30
65°	0	0	1	1	2	0
75°	0	0	1	1	1	0
85°	0	0	1	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°	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
2.5°	34.3	34.7	34.7	33.9	33.5	33.5	32.3	31.9	30.7	29.5	25.6
5°	62.3	61.1	59.5	59.5	55.9	53.9	51.1	47.9	45.5	41.5	29.5
7.5°	141.4	131.8	129.0	125.4	111.8	101.0	88.6	77.9	67.9	59.5	32.7
10°	356.6	337.8	322.2	290.7	251.2	213.2	178.1	137.4	109.4	87.1	35.1
12.5°	718.4	693.2	663.3	605.8	531.9	437.3	353.4	263.9	185.3	128.2	35.9
15°	1137.7	1094.9	1048.2	975.1	854.1	718.4	567.0	424.5	297.5	193.7	35.1
17.5°	1479.5	1462.7	1393.6	1293.8	1145.6	970.7	784.3	589.4	401.3	253.6	32.7
20°	1731.8	1720.3	1636.8	1530.6	1363.7	1163.2	926.4	692.4	473.6	291.5	29.2
22.5°	1853.6	1851.6	1791.3	1682.7	1505.8	1278.6	1017.9	751.9	496.0	296.7	24.4
25°	1837.7	1844.8	1810.5	1729.8	1560.1	1326.1	1045.0	751.9	479.6	274.7	20.4
27.5°	1765.0	1769.8	1748.2	1686.3	1528.2	1291.8	1007.1	703.6	432.1	236.0	16.8
30°	1715.1	1717.1	1690.3	1624.0	1456.3	1213.5	917.6	614.2	360.2	189.3	12.4
32.5°	1654.4	1654.0	1622.8	1547.0	1362.1	1103.7	804.2	507.5	276.7	143.8	7.2
35°	1565.7	1555.7	1513.4	1426.0	1221.5	956.0	659.3	386.5	199.3	101.8	4.4
37.5°	1443.9	1418.0	1358.1	1241.1	1024.3	749.5	488.8	271.5	136.2	67.5	2.8
40°	1248.7	1221.1	1139.7	997.5	774.7	539.5	329.4	176.9	85.9	40.3	1.6
42.5°	979.1	960.4	850.5	708.8	511.5	344.2	198.1	104.6	48.3	23.2	0.4
45°	676.4	652.1	565.8	445.6	307.1	190.9	111.0	54.7	27.6	14.0	0.0
47.5°	373.4	343.4	293.5	230.8	154.5	100.2	55.9	29.5	15.6	6.8	0.0
50°	149.3	148.1	117.8	83.9	59.1	45.5	28.0	16.0	8.0	2.4	0.4
52.5°	52.3	52.3	45.1	36.7	28.8	20.8	14.0	7.6	2.8	0.8	0.4
55°	11.6	12.8	12.0	11.2	10.8	9.2	6.0	2.8	0.8	0.0	0.4
57.5°	1.2	1.2	1.2	1.6	2.0	2.0	1.6	0.8	0.0	0.0	0.4
60°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.8
62.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.4	0.4	0.8
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2
75°	0.0	0.0	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4	1.2
77.5°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8
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°	20.8	20.8	20.8	20.8	20.8
2.5°	20.8	16.4	13.6	12.0	11.6
5°	19.6	12.4	8.8	7.6	7.2
7.5°	17.6	9.2	6.0	4.8	4.4
10°	15.2	6.8	4.0	2.8	2.8
12.5°	12.8	5.2	2.4	1.2	0.8
15°	10.4	3.2	0.8	0.4	0.4
17.5°	8.0	2.0	0.0	0.0	0.0
20°	6.4	0.8	0.0	0.0	0.0
22.5°	4.8	0.4	0.0	0.0	0.0
25°	3.2	0.0	0.0	0.0	0.0
27.5°	2.0	0.0	0.0	0.0	0.0
30°	1.2	0.0	0.0	0.0	0.0
32.5°	0.4	0.0	0.0	0.0	0.0
35°	0.4	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°	0.4	0.0	0.0	0.4	0.4
47.5°	0.4	0.4	0.4	0.8	0.8
50°	0.4	0.4	0.4	0.8	1.2
52.5°	0.8	0.4	0.8	1.2	1.2
55°	0.8	0.8	1.2	1.6	1.6
57.5°	0.8	0.8	1.2	1.6	1.6
60°	0.8	0.8	1.2	1.6	2.0
62.5°	1.2	1.2	1.2	1.6	1.6
65°	1.2	1.2	1.2	1.6	2.0
67.5°	1.2	1.2	1.2	1.6	2.0
70°	1.2	1.2	1.2	1.6	1.6
72.5°	1.6	1.2	1.2	1.6	1.6
75°	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	0.8	1.2	1.2
80°	1.2	0.8	0.8	0.8	0.8
82.5°	1.2	0.8	0.8	0.8	0.8
85°	1.2	0.8	0.4	0.4	0.4
87.5°	1.2	0.8	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)