

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: P1324868

Luminaire Tested: LDSQA3D05R35W2N902750DE010 3LSQCA30R 1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324868
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: LDSQA3D05R35W2N902750DE010 3LSQCA30R 1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 4000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

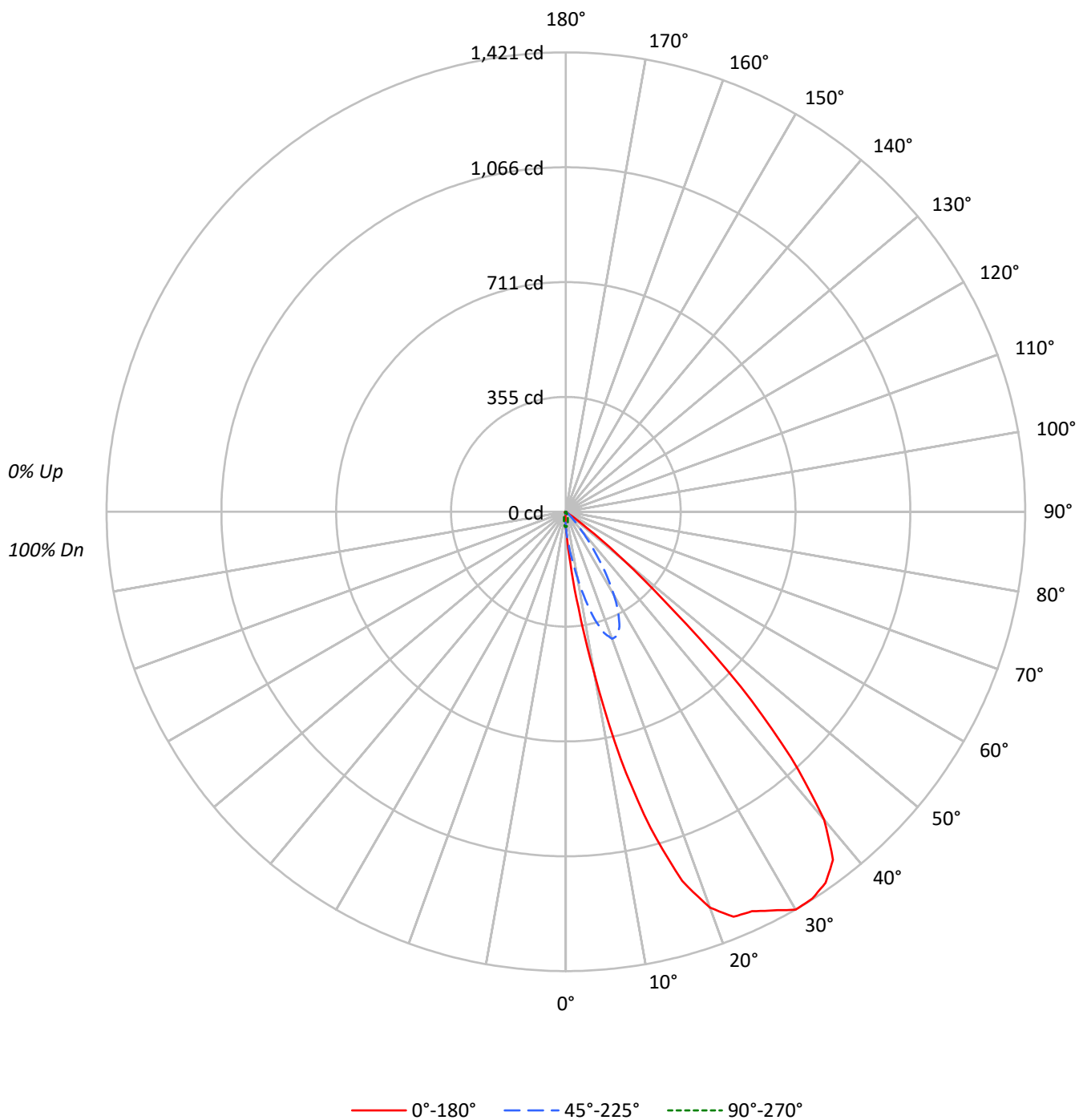
Lumens per Lamp: N/A
Luminaire Lumens: 447.0 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83	83
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74	74
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67	67
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45	45
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41	41
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	8077	8077	8077	8077	8077
5°	27540	17893	7555	3198	2351
10°	88629	36270	5963	1189	769
15°	180580	61531	4226	428	285
20°	238790	76627	2712	147	147
25°	259101	74490	1520	76	152
30°	282628	59361	636	80	159
35°	294511	36940	168	84	168
40°	279475	16142	90	180	270
45°	186567	6454	97	292	487
50°	62562	1072	214	429	643
55°	3483	120	240	601	841
60°	276	138	413	689	964
65°	326	163	489	815	1141
70°	201	201	604	1007	1209
75°	266	266	799	1065	1331
80°	0	397	1190	1190	1190
85°	0	790	2371	790	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 186567 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.1	1.8
10°-20°	64.2	14.4
20°-30°	135.5	30.3
30°-40°	153.7	34.4
40°-50°	75.7	16.9
50°-60°	6.6	1.5
60°-70°	1.3	0.3
70°-80°	1.2	0.3
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°	207.8	46.5
0°-40°	361.6	80.9
0°-60°	443.8	99.3
0°-90°	447.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	447.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	47	47	47	47	47	
5°	159	104	44	18	14	26
15°	1013	345	24	2	2	288
25°	1364	392	8	0	1	634
35°	1401	176	1	0	1	863
45°	766	26	0	1	2	566
55°	12	0	1	2	3	46
65°	1	0	1	2	3	1
75°	0	0	1	2	2	0
85°	0	0	1	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°	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
2.5°	81.5	83.5	82.7	82.3	81.9	80.3	76.6	76.2	72.6	70.2	58.2
5°	159.3	156.1	156.9	152.5	146.9	138.8	133.6	122.4	113.2	103.5	67.8
7.5°	300.1	295.7	287.3	274.5	261.2	244.0	217.9	197.0	172.9	150.1	75.4
10°	506.8	504.4	493.5	460.6	431.8	385.6	342.3	296.5	251.6	207.4	80.7
12.5°	782.8	766.4	746.7	703.0	646.0	588.2	502.8	423.7	351.9	278.1	81.1
15°	1012.8	1002.3	974.6	917.7	849.1	765.6	664.1	557.7	449.4	345.1	77.0
17.5°	1197.7	1181.7	1146.0	1090.2	1011.2	902.8	784.1	654.4	522.4	392.8	70.2
20°	1302.9	1294.4	1267.2	1211.4	1125.1	1006.7	871.5	720.7	568.2	418.1	61.4
22.5°	1355.8	1349.8	1329.8	1285.2	1204.6	1085.4	930.5	755.2	581.4	415.3	52.2
25°	1363.5	1361.9	1344.6	1310.9	1243.5	1125.5	956.2	761.6	570.6	392.0	43.3
27.5°	1389.9	1384.3	1363.9	1330.2	1262.3	1132.3	947.4	739.5	535.7	351.1	36.1
30°	1421.2	1417.2	1396.8	1361.9	1281.6	1125.9	916.1	690.6	479.9	298.5	26.9
32.5°	1418.8	1417.2	1400.0	1363.1	1268.0	1088.2	860.3	617.1	404.1	235.5	16.9
35°	1400.8	1395.2	1373.5	1316.5	1190.1	991.1	754.4	517.6	319.8	175.7	10.8
37.5°	1357.4	1345.4	1308.9	1212.2	1050.9	841.4	614.3	399.7	226.3	117.6	6.8
40°	1243.1	1227.8	1154.4	1037.6	868.7	662.9	457.0	274.9	149.3	71.8	2.8
42.5°	1031.2	1000.3	926.9	806.9	648.4	468.7	300.1	178.2	87.9	43.3	0.8
45°	766.0	742.3	665.3	556.5	424.9	300.5	181.8	96.3	48.6	26.5	0.4
47.5°	446.2	431.8	392.0	320.6	234.7	157.7	93.1	51.8	28.5	12.8	0.4
50°	233.5	215.5	185.4	140.4	103.5	72.6	45.3	27.7	14.0	4.0	0.4
52.5°	81.9	80.7	73.4	55.4	44.9	32.5	22.1	12.0	4.0	0.8	0.4
55°	11.6	11.6	10.8	12.0	12.8	11.6	7.6	3.2	0.8	0.4	0.4
57.5°	0.8	0.8	0.8	1.2	1.6	1.6	1.2	0.4	0.4	0.4	0.8
60°	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
62.5°	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
65°	0.8	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°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2
77.5°	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	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	0.4	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°	46.9	46.9	46.9	46.9	46.9
2.5°	46.5	37.3	29.7	26.1	24.9
5°	43.7	28.1	18.5	14.4	13.6
7.5°	38.9	20.1	11.2	8.0	7.6
10°	34.1	14.4	6.8	4.8	4.4
12.5°	28.5	10.0	4.4	2.8	2.4
15°	23.7	6.8	2.4	2.0	1.6
17.5°	18.9	4.4	1.6	1.2	1.6
20°	14.8	2.8	0.8	0.8	0.8
22.5°	11.2	1.6	0.8	0.8	0.8
25°	8.0	0.8	0.4	0.4	0.8
27.5°	5.6	0.4	0.4	0.4	0.8
30°	3.2	0.4	0.4	0.4	0.8
32.5°	1.6	0.4	0.4	0.8	0.8
35°	0.8	0.4	0.4	0.8	0.8
37.5°	0.4	0.4	0.4	0.8	1.2
40°	0.4	0.4	0.8	1.2	1.2
42.5°	0.4	0.4	0.8	1.2	1.6
45°	0.4	0.8	1.2	1.6	2.0
47.5°	0.8	0.8	1.6	2.0	2.4
50°	0.8	1.2	1.6	2.4	2.4
52.5°	0.8	1.2	2.0	2.4	2.8
55°	0.8	1.6	2.0	2.8	2.8
57.5°	1.2	1.6	2.0	2.8	2.8
60°	1.2	1.6	2.0	2.8	2.8
62.5°	1.2	1.6	2.0	2.8	2.8
65°	1.2	1.6	2.0	2.8	2.8
67.5°	1.2	1.6	2.0	2.4	2.8
70°	1.2	1.6	2.0	2.4	2.4
72.5°	1.6	1.6	2.0	2.4	2.4
75°	1.2	1.6	1.6	2.0	2.0
77.5°	1.2	1.2	1.2	1.6	1.6
80°	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	0.8	0.8	1.2	1.2
85°	1.2	0.8	0.4	0.8	0.8
87.5°	0.8	0.8	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)