

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: P1324866

Luminaire Tested: LDSQA3D05R35W2N902750DE010 3LSQCA30R 1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324866
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_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R35 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

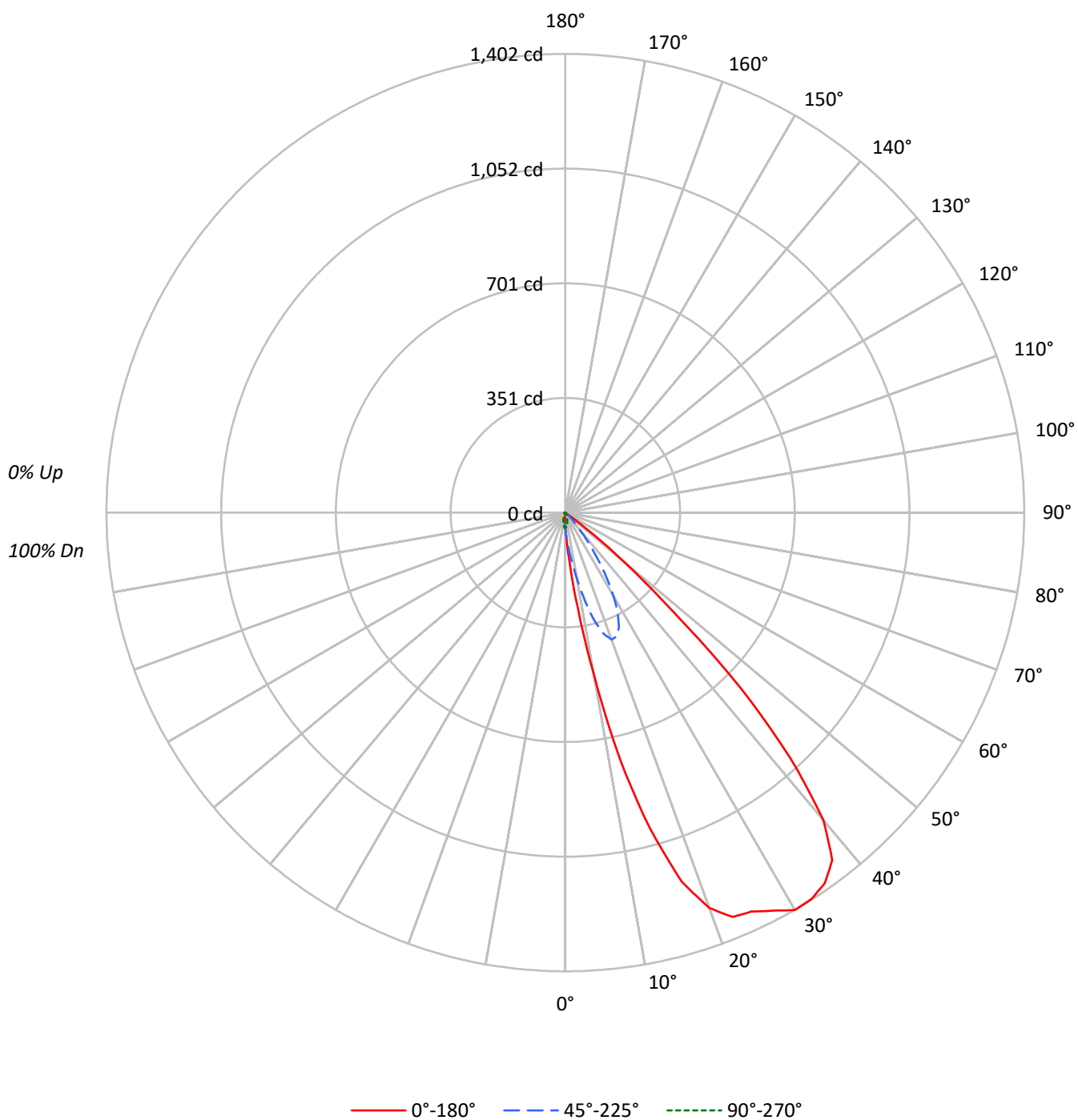
Lumens per Lamp: N/A
Luminaire Lumens: 441.1 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	60	60
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	50	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°	7974	7974	7974	7974	7974
5°	27177	17651	7451	3146	2334
10°	87440	35798	5876	1172	769
15°	178155	60693	4172	428	285
20°	235582	75601	2676	147	147
25°	255624	73502	1501	76	152
30°	278849	58566	636	80	159
35°	290559	36456	168	84	168
40°	275720	15940	90	180	270
45°	184058	6357	97	292	487
50°	61731	1072	214	429	643
55°	3453	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: 184058 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.0	1.8
10°-20°	63.3	14.4
20°-30°	133.7	30.3
30°-40°	151.7	34.4
40°-50°	74.7	16.9
50°-60°	6.5	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°	205.1	46.5
0°-40°	356.7	80.9
0°-60°	437.9	99.3
0°-90°	441.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	441.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	46	46	46	46	46	
5°	157	102	43	18	14	26
15°	999	340	23	2	2	284
25°	1345	387	8	0	1	626
35°	1382	173	1	0	1	852
45°	756	26	0	1	2	558
55°	12	0	1	2	3	45
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°	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
2.5°	80.4	82.3	81.5	81.2	80.8	79.2	75.6	75.2	71.7	69.3	57.4
5°	157.2	154.0	154.8	150.4	144.9	137.0	131.8	120.7	111.6	102.1	66.9
7.5°	296.1	291.8	283.4	270.8	257.7	240.7	215.0	194.4	170.6	148.1	74.4
10°	500.0	497.6	486.9	454.5	426.0	380.4	337.7	292.5	248.2	204.7	79.6
12.5°	772.3	756.1	736.7	693.6	637.3	580.3	496.0	418.0	347.2	274.3	80.0
15°	999.2	988.9	961.6	905.4	837.7	755.3	655.2	550.3	443.4	340.4	76.0
17.5°	1181.7	1165.8	1130.6	1075.6	997.6	890.7	773.5	645.7	515.4	387.6	69.3
20°	1285.4	1277.1	1250.2	1195.1	1110.0	993.2	859.8	711.0	560.6	412.5	60.6
22.5°	1337.6	1331.7	1311.9	1268.0	1188.4	1070.8	918.0	745.0	573.6	409.7	51.5
25°	1345.2	1343.6	1326.6	1293.3	1226.8	1110.4	943.4	751.4	562.9	386.8	42.8
27.5°	1371.3	1365.7	1345.6	1312.3	1245.4	1117.1	934.6	729.6	528.5	346.4	35.6
30°	1402.2	1398.2	1378.0	1343.6	1264.4	1110.8	903.8	681.3	473.5	294.5	26.5
32.5°	1399.8	1398.2	1381.2	1344.8	1250.9	1073.6	848.7	608.8	398.6	232.4	16.6
35°	1382.0	1376.4	1355.1	1298.8	1174.1	977.8	744.2	510.7	315.5	173.4	10.7
37.5°	1339.2	1327.3	1291.3	1195.9	1036.8	830.1	606.1	394.3	223.3	116.0	6.7
40°	1226.4	1211.4	1138.9	1023.7	857.1	654.0	450.9	271.2	147.3	70.9	2.8
42.5°	1017.4	986.9	914.5	796.1	639.7	462.4	296.1	175.8	86.7	42.8	0.8
45°	755.7	732.4	656.4	549.1	419.2	296.5	179.3	95.0	47.9	26.1	0.4
47.5°	440.2	426.0	386.8	316.3	231.6	155.6	91.8	51.1	28.1	12.7	0.4
50°	230.4	212.6	182.9	138.6	102.1	71.7	44.7	27.3	13.9	4.0	0.4
52.5°	80.8	79.6	72.4	54.6	44.3	32.1	21.8	11.9	4.0	0.8	0.4
55°	11.5	11.5	10.7	11.9	12.7	11.5	7.5	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°	46.3	46.3	46.3	46.3	46.3
2.5°	45.9	36.8	29.3	25.7	24.5
5°	43.1	27.7	18.2	14.3	13.5
7.5°	38.4	19.8	11.1	7.9	7.5
10°	33.6	14.3	6.7	4.8	4.4
12.5°	28.1	9.9	4.4	2.8	2.4
15°	23.4	6.7	2.4	2.0	1.6
17.5°	18.6	4.4	1.6	1.2	1.6
20°	14.6	2.8	0.8	0.8	0.8
22.5°	11.1	1.6	0.8	0.8	0.8
25°	7.9	0.8	0.4	0.4	0.8
27.5°	5.5	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)