

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: P1325052

Luminaire Tested: LDSQA3D05R40W2N902750DE010 3LSQCA30R 1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325052
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R40W2N902750DE010 3LSQCA30R 1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 2700K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

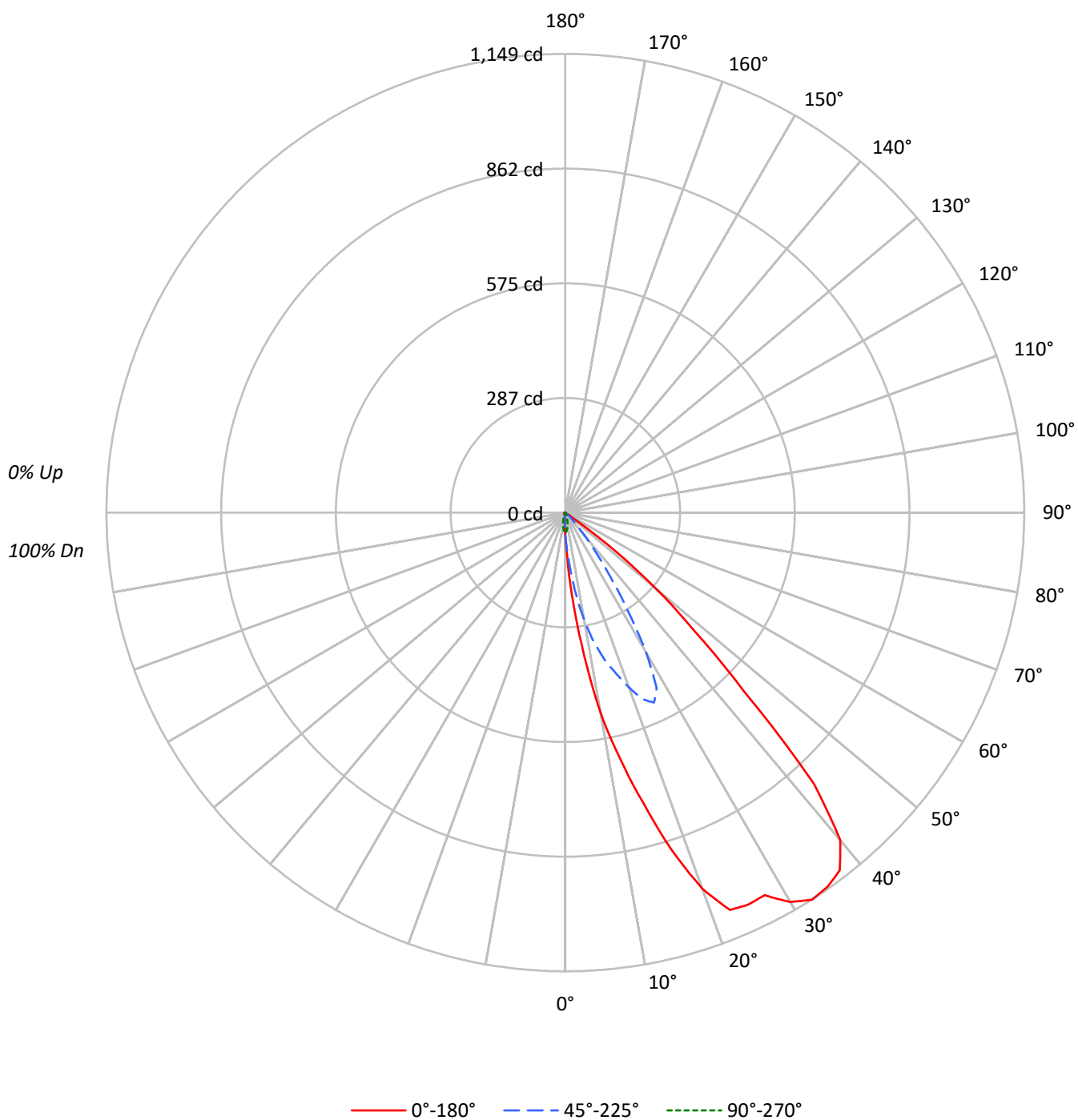
Lumens per Lamp: N/A
Luminaire Lumens: 424.1 lumens
Efficiency: N/A
Efficacy: 71.9 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.41 / 1.24
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	97	96	96	94	93	91	91
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74	74
4	92	83	77	71	90	82	76	71	80	74	70	78	73	69	76	72	68	67	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60	60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54	54
7	75	64	57	52	74	63	56	51	62	56	51	61	55	51	59	54	51	49	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44	44
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	8646	8646	8646	8646	8646
5°	38967	24843	7745	2974	2161
10°	89363	48004	5456	1067	822
15°	134116	68110	3388	571	517
20°	183642	85388	1979	330	403
25°	205856	99764	1026	266	342
30°	223923	80521	438	219	358
35°	240646	41208	147	294	463
40°	240738	16434	90	315	562
45°	153710	5504	170	536	779
50°	79790	670	295	670	965
55°	6876	120	330	871	1171
60°	241	138	379	999	1343
65°	285	163	571	1019	1467
70°	201	201	705	1108	1460
75°	266	266	732	1198	1664
80°	397	397	1091	1091	1389
85°	0	790	2174	1383	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 153710 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.8	2.3
10°-20°	57.4	13.5
20°-30°	125.7	29.6
30°-40°	143.2	33.8
40°-50°	75.5	17.8
50°-60°	8.9	2.1
60°-70°	1.6	0.4
70°-80°	1.3	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°	192.8	45.5
0°-40°	336.0	79.2
0°-60°	420.5	99.2
0°-90°	424.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	424.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	50	50	50	50	50	
5°	225	144	45	17	12	30
15°	752	382	19	3	3	222
25°	1083	525	5	1	2	499
35°	1145	196	1	1	2	709
45°	631	23	1	2	3	509
55°	23	0	1	3	4	71
65°	1	0	1	2	4	1
75°	0	0	1	2	2	0
85°	0	0	1	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°	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
2.5°	111.8	111.8	111.4	108.2	107.9	107.5	101.8	100.3	93.5	88.9	67.7
5°	225.4	220.4	220.0	214.3	204.6	191.7	183.5	170.2	157.3	143.7	83.5
7.5°	359.1	363.4	351.5	345.5	324.0	308.5	284.9	264.1	235.1	207.8	96.4
10°	511.0	503.5	491.7	479.8	456.5	429.0	393.8	356.9	315.0	274.5	103.6
12.5°	629.6	620.0	612.8	596.7	573.7	538.3	496.3	446.9	391.3	332.9	103.2
15°	752.2	742.5	726.4	712.1	678.0	638.2	592.7	527.5	459.4	382.0	95.7
17.5°	886.9	874.4	856.5	834.6	801.6	757.6	699.9	620.3	523.9	422.1	82.1
20°	1002.0	994.4	976.5	950.7	918.5	875.5	808.8	720.7	603.1	465.9	65.2
22.5°	1077.2	1070.4	1058.2	1035.7	1011.3	965.4	904.5	807.7	669.4	505.6	49.5
25°	1083.3	1080.4	1077.2	1069.7	1055.0	1022.4	962.9	858.6	710.6	525.0	36.6
27.5°	1080.1	1079.0	1078.3	1074.4	1064.7	1032.4	971.5	866.1	705.2	494.9	26.9
30°	1126.0	1122.7	1120.9	1108.0	1082.6	1032.8	953.2	825.7	626.8	404.9	19.4
32.5°	1149.3	1148.5	1146.7	1134.2	1098.4	1033.5	922.4	727.8	497.0	292.4	13.3
35°	1144.6	1141.0	1134.6	1111.3	1061.5	980.1	822.8	581.3	358.7	196.0	8.6
37.5°	1128.8	1120.6	1108.0	1066.1	999.8	888.7	667.3	427.9	244.0	126.9	5.0
40°	1070.8	1059.7	1040.0	988.7	901.6	732.5	493.5	289.2	160.2	73.1	1.4
42.5°	920.6	906.3	892.0	834.6	735.0	546.1	324.7	178.8	91.4	40.1	0.4
45°	631.1	613.1	593.4	551.9	472.0	330.8	193.2	100.7	47.3	22.6	0.4
47.5°	438.3	430.0	395.6	342.6	262.7	175.2	100.0	49.5	25.1	10.4	0.4
50°	297.8	288.5	248.3	197.1	139.8	83.9	45.9	24.7	11.1	2.5	0.4
52.5°	156.2	144.8	119.3	91.0	56.6	35.1	20.1	10.8	3.2	0.4	0.4
55°	22.9	21.1	17.2	14.0	12.5	9.7	5.7	2.5	0.4	0.4	0.7
57.5°	0.7	0.7	0.7	0.7	1.1	1.1	0.7	0.4	0.4	0.4	0.7
60°	0.7	0.7	0.7	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.7
62.5°	0.7	0.7	0.7	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.7
65°	0.7	0.7	0.7	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.7
67.5°	0.7	0.7	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.7	1.1
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	1.1
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.1
77.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	1.1
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.7
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°	50.2	50.2	50.2	50.2	50.2
2.5°	49.5	36.6	28.3	24.4	24.0
5°	44.8	26.2	17.2	13.3	12.5
7.5°	38.0	18.3	10.0	7.2	6.8
10°	31.2	12.5	6.1	5.0	4.7
12.5°	24.7	8.2	4.3	3.9	3.6
15°	19.0	5.4	3.2	2.9	2.9
17.5°	14.3	3.6	2.5	2.5	2.5
20°	10.8	2.5	1.8	2.2	2.2
22.5°	7.5	1.8	1.4	1.8	1.8
25°	5.4	1.4	1.4	1.8	1.8
27.5°	3.6	1.1	1.1	1.4	1.8
30°	2.2	0.7	1.1	1.4	1.8
32.5°	1.1	0.7	1.1	1.8	1.8
35°	0.7	1.1	1.4	1.8	2.2
37.5°	0.4	1.1	1.4	2.2	2.2
40°	0.4	1.1	1.4	2.2	2.5
42.5°	0.7	1.4	1.8	2.5	2.9
45°	0.7	1.4	2.2	2.9	3.2
47.5°	0.7	1.4	2.5	3.2	3.2
50°	1.1	1.8	2.5	3.2	3.6
52.5°	1.1	1.8	2.5	3.6	3.9
55°	1.1	1.8	2.9	3.6	3.9
57.5°	1.1	2.2	2.9	3.6	3.9
60°	1.1	1.8	2.9	3.6	3.9
62.5°	1.4	1.8	2.5	3.6	3.6
65°	1.4	1.8	2.5	3.6	3.6
67.5°	1.4	1.8	2.5	3.2	3.2
70°	1.4	1.8	2.2	2.9	2.9
72.5°	1.4	1.8	2.2	2.5	2.9
75°	1.1	1.4	1.8	2.2	2.5
77.5°	1.1	1.4	1.4	2.2	2.2
80°	1.1	1.1	1.1	1.4	1.4
82.5°	1.1	1.1	0.7	1.1	1.1
85°	1.1	0.7	0.7	0.7	0.7
87.5°	0.7	0.7	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)