

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: P1308949

Luminaire Tested: LDSQA3D05R409030DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308949
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: LDSQA3D05R409030DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

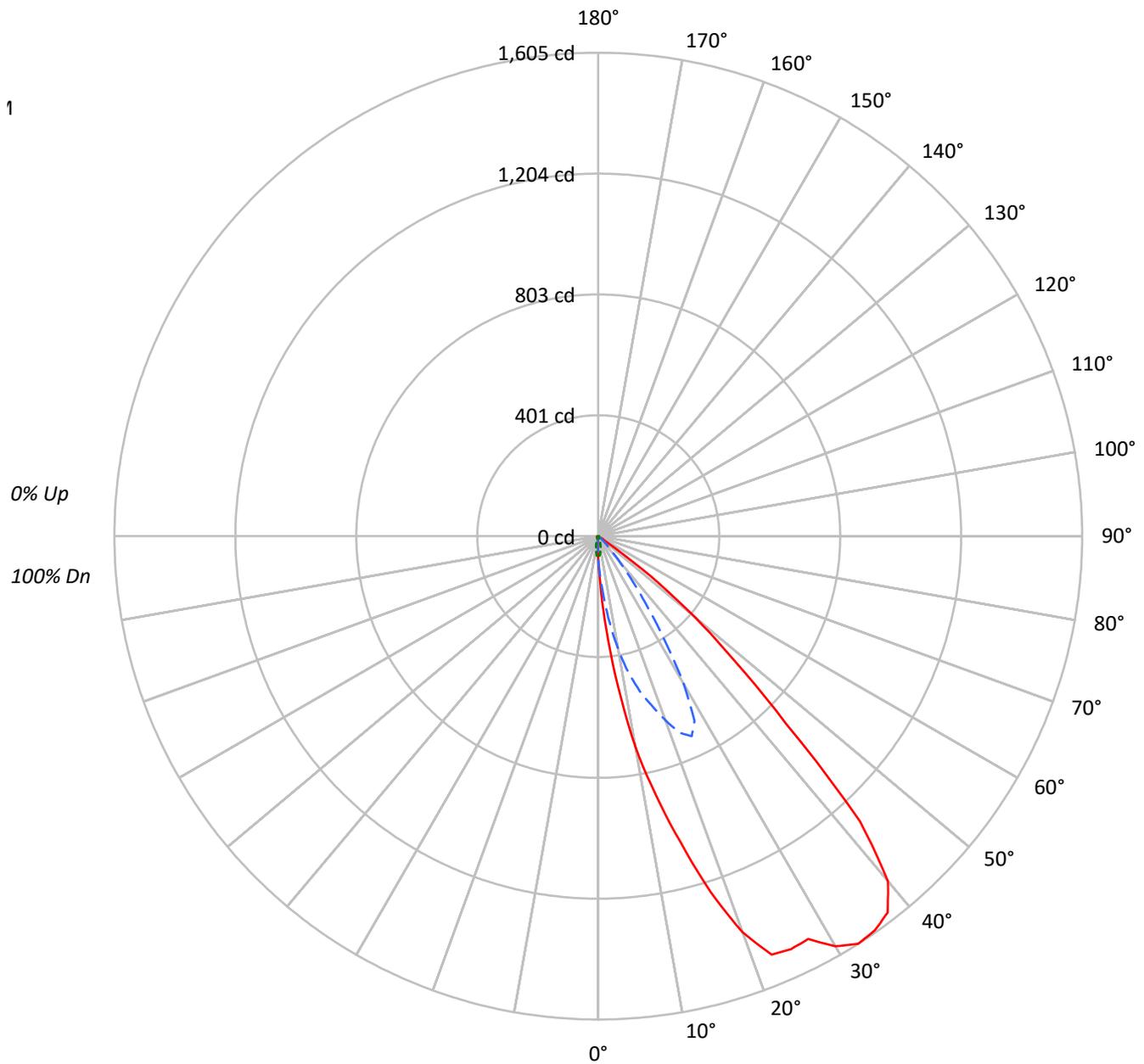
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 592.0 lumens
Efficiency: N/A
Efficacy: 82.2 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.42 / 1.24
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): NR
Input Current (A_{in}): 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



— 0°-180° - - 45°-225° - - - 90°-270°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	96	94	93	91
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	89	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	82	79	76	74
4	92	83	77	71	90	82	76	71	80	74	70	78	73	69	76	72	68	76	72	68	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	70	65	62	60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	60	56	64	60	56	54
7	75	64	57	52	74	63	56	52	62	56	51	61	55	51	59	54	51	59	54	51	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	55	50	46	44
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	12056	12056	12056	12056	12056
5°	54405	34680	10805	4149	3025
10°	124776	67031	7607	1486	1137
15°	187249	95104	4725	802	713
20°	256402	119221	2749	458	550
25°	287434	139290	1425	380	475
30°	312637	112439	597	298	497
35°	335993	57544	210	420	631
40°	336107	22954	112	450	787
45°	214600	7672	244	731	1096
50°	111406	938	402	938	1340
55°	9608	150	450	1201	1651
60°	344	172	517	1378	1894
65°	408	204	815	1426	2038
70°	252	252	1007	1511	2014
75°	333	333	998	1664	2329
80°	496	496	1488	1488	1984
85°	0	988	2964	1976	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 214600 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.6	2.3
10°-20°	80.1	13.5
20°-30°	175.5	29.6
30°-40°	199.9	33.8
40°-50°	105.5	17.8
50°-60°	12.4	2.1
60°-70°	2.2	0.4
70°-80°	1.8	0.3
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°	269.2	45.5
0°-40°	469.2	79.3
0°-60°	587.1	99.2
0°-90°	592.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	592.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	70	70	70	70	70	
5°	315	201	62	24	18	42
15°	1050	533	26	4	4	309
25°	1513	733	8	2	2	697
35°	1598	274	1	2	3	991
45°	881	32	1	3	4	710
55°	32	0	2	4	6	99
65°	1	0	2	4	5	1
75°	0	0	2	2	4	1
85°	0	0	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°	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
2.5°	156.1	156.1	155.6	151.1	150.6	150.1	142.1	140.1	130.6	124.1	94.6
5°	314.7	307.7	307.2	299.2	285.7	267.7	256.2	237.7	219.7	200.6	116.6
7.5°	501.3	507.4	490.8	482.3	452.3	430.8	397.8	368.8	328.2	290.2	134.6
10°	713.5	703.0	686.5	670.0	637.4	598.9	549.9	498.3	439.8	383.3	144.6
12.5°	879.1	865.6	855.6	833.1	801.1	751.5	693.0	623.9	546.4	464.8	144.1
15°	1050.2	1036.7	1014.2	994.2	946.7	891.1	827.6	736.5	641.4	533.4	133.6
17.5°	1238.4	1220.8	1195.8	1165.3	1119.3	1057.7	977.2	866.1	731.5	589.4	114.6
20°	1399.0	1388.5	1363.4	1327.4	1282.4	1222.3	1129.3	1006.2	842.1	650.5	91.1
22.5°	1504.0	1494.5	1477.5	1446.0	1412.0	1347.9	1262.9	1127.8	934.6	706.0	69.0
25°	1512.6	1508.5	1504.0	1493.5	1473.0	1427.5	1344.4	1198.8	992.2	733.0	51.0
27.5°	1508.0	1506.5	1505.5	1500.0	1486.5	1441.5	1356.4	1209.3	984.7	691.0	37.5
30°	1572.1	1567.6	1565.1	1547.1	1511.6	1442.0	1330.9	1152.8	875.1	565.4	27.0
32.5°	1604.6	1603.6	1601.1	1583.6	1533.6	1443.0	1287.9	1016.2	694.0	408.3	18.5
35°	1598.1	1593.1	1584.1	1551.6	1482.0	1368.5	1148.8	811.6	500.8	273.7	12.0
37.5°	1576.1	1564.6	1547.1	1488.5	1396.0	1240.9	931.6	597.4	340.7	177.1	7.0
40°	1495.0	1479.5	1452.0	1380.5	1258.9	1022.7	689.0	403.8	223.7	102.1	2.0
42.5°	1285.4	1265.4	1245.4	1165.3	1026.2	762.5	453.3	249.7	127.6	56.0	0.5
45°	881.1	856.1	828.6	770.5	659.0	461.8	269.7	140.6	66.0	31.5	0.5
47.5°	611.9	600.4	552.4	478.3	366.8	244.7	139.6	69.0	35.0	14.5	0.5
50°	415.8	402.8	346.7	275.2	195.1	117.1	64.0	34.5	15.5	3.5	0.5
52.5°	218.2	202.1	166.6	127.1	79.1	49.0	28.0	15.0	4.5	0.5	0.5
55°	32.0	29.5	24.0	19.5	17.5	13.5	8.0	3.5	0.5	0.5	1.0
57.5°	1.0	1.0	1.0	1.0	1.5	1.5	1.0	0.5	0.5	0.5	1.0
60°	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	1.0
62.5°	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	1.0
65°	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	1.0
67.5°	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	1.0	1.5
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.5
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5
77.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.5
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.0
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°	70.0	70.0	70.0	70.0	70.0
2.5°	69.0	51.0	39.5	34.0	33.5
5°	62.5	36.5	24.0	18.5	17.5
7.5°	53.0	25.5	14.0	10.0	9.5
10°	43.5	17.5	8.5	7.0	6.5
12.5°	34.5	11.5	6.0	5.5	5.0
15°	26.5	7.5	4.5	4.0	4.0
17.5°	20.0	5.0	3.5	3.5	3.5
20°	15.0	3.5	2.5	3.0	3.0
22.5°	10.5	2.5	2.0	2.5	2.5
25°	7.5	2.0	2.0	2.5	2.5
27.5°	5.0	1.5	1.5	2.0	2.5
30°	3.0	1.0	1.5	2.0	2.5
32.5°	1.5	1.0	1.5	2.5	2.5
35°	1.0	1.5	2.0	2.5	3.0
37.5°	0.5	1.5	2.0	3.0	3.0
40°	0.5	1.5	2.0	3.0	3.5
42.5°	1.0	2.0	2.5	3.5	4.0
45°	1.0	2.0	3.0	4.0	4.5
47.5°	1.0	2.0	3.5	4.5	4.5
50°	1.5	2.5	3.5	4.5	5.0
52.5°	1.5	2.5	3.5	5.0	5.5
55°	1.5	2.5	4.0	5.0	5.5
57.5°	1.5	3.0	4.0	5.0	5.5
60°	1.5	2.5	4.0	5.0	5.5
62.5°	2.0	2.5	3.5	5.0	5.0
65°	2.0	2.5	3.5	5.0	5.0
67.5°	2.0	2.5	3.5	4.5	4.5
70°	2.0	2.5	3.0	4.0	4.0
72.5°	2.0	2.5	3.0	3.5	4.0
75°	1.5	2.0	2.5	3.0	3.5
77.5°	1.5	2.0	2.0	3.0	3.0
80°	1.5	1.5	1.5	2.0	2.0
82.5°	1.5	1.5	1.0	1.5	1.5
85°	1.5	1.0	1.0	1.0	1.0
87.5°	1.0	1.0	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)