

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: P1307831

Luminaire Tested: LDSQA3D05R409027DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307831
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: LDSQA3D05R409027DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

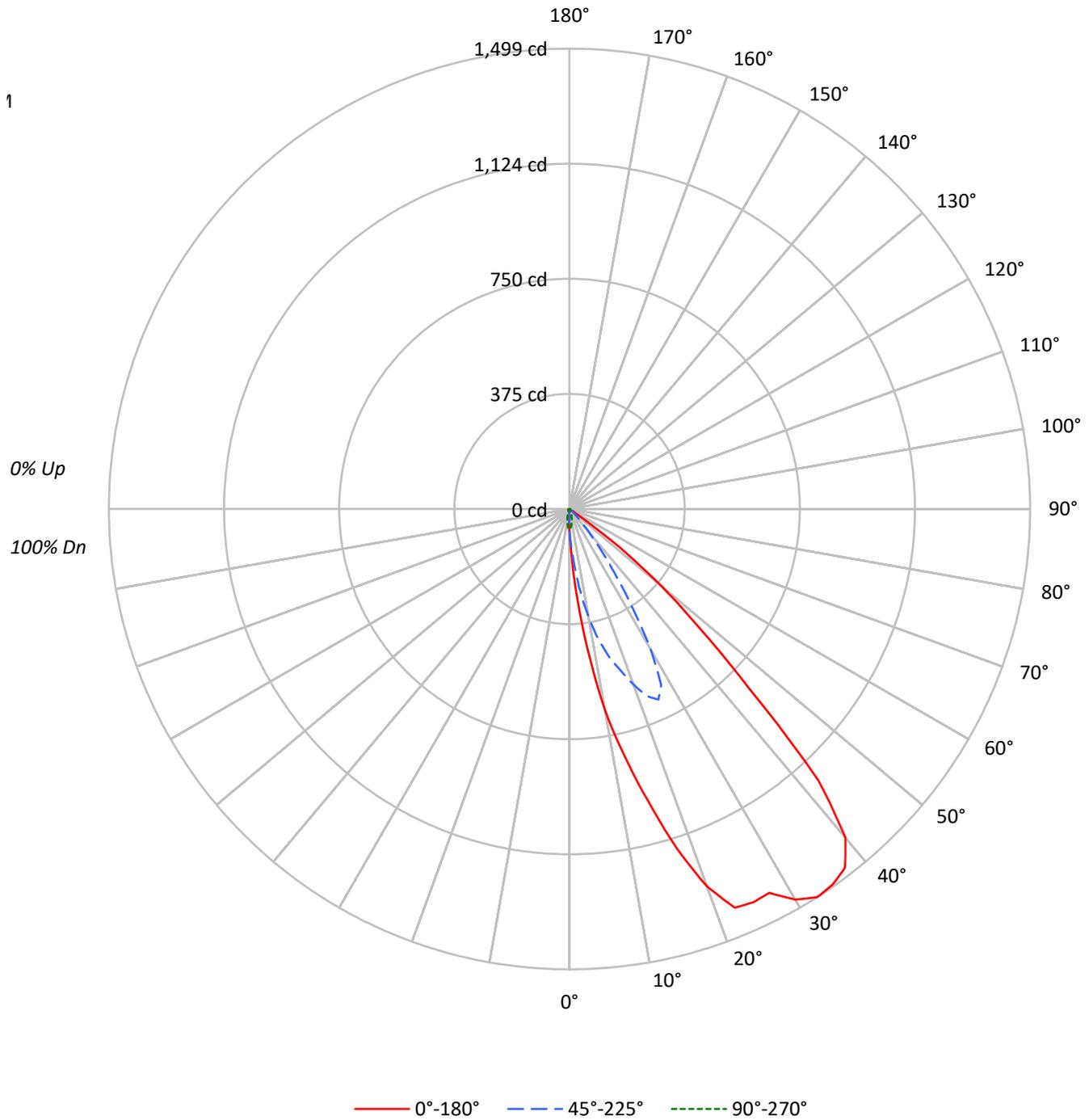
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 553.0 lumens
Efficiency: N/A
Efficacy: 76.8 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 (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			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	51	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°	11263	11263	11263	11263	11263
5°	50827	32398	10096	3873	2835
10°	116557	62607	7118	1382	1067
15°	174910	88828	4422	749	660
20°	239504	111358	2566	422	513
25°	268489	130111	1330	361	437
30°	292034	105021	557	278	457
35°	313854	53760	189	399	589
40°	313962	21425	112	427	742
45°	200474	7161	219	682	1023
50°	104064	884	375	884	1259
55°	8978	150	420	1111	1531
60°	310	172	482	1274	1757
65°	367	204	774	1345	1915
70°	252	252	957	1410	1863
75°	333	333	932	1530	2196
80°	496	496	1389	1389	1884
85°	0	988	2766	1778	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 200474 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.7	2.3
10°-20°	74.8	13.5
20°-30°	163.9	29.6
30°-40°	186.7	33.8
40°-50°	98.5	17.8
50°-60°	11.6	2.1
60°-70°	2.1	0.4
70°-80°	1.7	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°	251.5	45.5
0°-40°	438.3	79.3
0°-60°	548.4	99.2
0°-90°	553.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	553.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	65	65	65	65	65	
5°	294	187	58	22	16	40
15°	981	498	25	4	4	289
25°	1413	685	7	2	2	651
35°	1493	256	1	2	3	925
45°	823	29	1	3	4	664
55°	30	0	1	4	5	93
65°	1	0	2	3	5	1
75°	0	0	1	2	3	1
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°	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
2.5°	145.8	145.8	145.4	141.2	140.7	140.2	132.7	130.9	122.0	115.9	88.3
5°	294.0	287.4	287.0	279.5	266.9	250.1	239.3	222.0	205.2	187.4	108.9
7.5°	468.3	473.9	458.5	450.6	422.5	402.4	371.6	344.5	306.6	271.1	125.7
10°	666.5	656.7	641.3	625.8	595.4	559.5	513.7	465.5	410.8	358.0	135.1
12.5°	821.2	808.6	799.2	778.2	748.3	702.0	647.3	582.8	510.4	434.2	134.6
15°	981.0	968.4	947.4	928.7	884.3	832.4	773.1	688.0	599.2	498.2	124.8
17.5°	1156.8	1140.4	1117.1	1088.5	1045.5	988.1	912.8	809.0	683.3	550.6	107.0
20°	1306.8	1297.0	1273.6	1240.0	1197.9	1141.8	1054.9	939.9	786.6	607.6	85.1
22.5°	1405.0	1396.1	1380.2	1350.7	1319.0	1259.1	1179.7	1053.5	873.1	659.5	64.5
25°	1412.9	1409.2	1405.0	1395.1	1376.0	1333.5	1255.9	1119.9	926.8	684.7	47.7
27.5°	1408.7	1407.3	1406.4	1401.2	1388.6	1346.5	1267.1	1129.7	919.8	645.5	35.1
30°	1468.5	1464.3	1462.0	1445.2	1412.0	1347.0	1243.2	1076.9	817.5	528.1	25.2
32.5°	1498.9	1498.0	1495.6	1479.3	1432.5	1347.9	1203.1	949.3	648.3	381.4	17.3
35°	1492.8	1488.2	1479.7	1449.4	1384.4	1278.3	1073.1	758.1	467.9	255.7	11.2
37.5°	1472.3	1461.5	1445.2	1390.5	1304.0	1159.1	870.3	558.1	318.3	165.5	6.5
40°	1396.5	1382.1	1356.4	1289.5	1175.9	955.3	643.6	377.2	208.9	95.3	1.9
42.5°	1200.7	1182.0	1163.3	1088.5	958.6	712.3	423.5	233.2	119.2	52.3	0.5
45°	823.1	799.7	774.0	719.8	615.5	431.4	251.9	131.3	61.7	29.4	0.5
47.5°	571.6	560.9	516.0	446.8	342.6	228.6	130.4	64.5	32.7	13.6	0.5
50°	388.4	376.2	323.9	257.1	182.3	109.4	59.8	32.2	14.5	3.3	0.5
52.5°	203.8	188.8	155.6	118.7	73.8	45.8	26.2	14.0	4.2	0.5	0.5
55°	29.9	27.6	22.4	18.2	16.4	12.6	7.5	3.3	0.5	0.5	0.9
57.5°	0.9	0.9	0.9	0.9	1.4	1.4	0.9	0.5	0.5	0.5	0.9
60°	0.9	0.9	0.9	0.9	0.9	0.5	0.5	0.5	0.5	0.5	0.9
62.5°	0.9	0.9	0.9	0.9	0.9	0.5	0.5	0.5	0.5	0.5	0.9
65°	0.9	0.9	0.9	0.9	0.9	0.5	0.5	0.5	0.5	0.5	0.9
67.5°	0.9	0.9	0.9	0.9	0.5	0.5	0.5	0.5	0.5	0.9	1.4
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.4
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9	1.4
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.4
77.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9	1.4
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.9
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°	65.4	65.4	65.4	65.4	65.4
2.5°	64.5	47.7	36.9	31.8	31.3
5°	58.4	34.1	22.4	17.3	16.4
7.5°	49.5	23.8	13.1	9.3	8.9
10°	40.7	16.4	7.9	6.5	6.1
12.5°	32.2	10.7	5.6	5.1	4.7
15°	24.8	7.0	4.2	3.7	3.7
17.5°	18.7	4.7	3.3	3.3	3.3
20°	14.0	3.3	2.3	2.8	2.8
22.5°	9.8	2.3	1.9	2.3	2.3
25°	7.0	1.9	1.9	2.3	2.3
27.5°	4.7	1.4	1.4	1.9	2.3
30°	2.8	0.9	1.4	1.9	2.3
32.5°	1.4	0.9	1.4	2.3	2.3
35°	0.9	1.4	1.9	2.3	2.8
37.5°	0.5	1.4	1.9	2.8	2.8
40°	0.5	1.4	1.9	2.8	3.3
42.5°	0.9	1.9	2.3	3.3	3.7
45°	0.9	1.9	2.8	3.7	4.2
47.5°	0.9	1.9	3.3	4.2	4.2
50°	1.4	2.3	3.3	4.2	4.7
52.5°	1.4	2.3	3.3	4.7	5.1
55°	1.4	2.3	3.7	4.7	5.1
57.5°	1.4	2.8	3.7	4.7	5.1
60°	1.4	2.3	3.7	4.7	5.1
62.5°	1.9	2.3	3.3	4.7	4.7
65°	1.9	2.3	3.3	4.7	4.7
67.5°	1.9	2.3	3.3	4.2	4.2
70°	1.9	2.3	2.8	3.7	3.7
72.5°	1.9	2.3	2.8	3.3	3.7
75°	1.4	1.9	2.3	2.8	3.3
77.5°	1.4	1.9	1.9	2.8	2.8
80°	1.4	1.4	1.4	1.9	1.9
82.5°	1.4	1.4	0.9	1.4	1.4
85°	1.4	0.9	0.9	0.9	0.9
87.5°	0.9	0.9	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)