

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: P1313423

Luminaire Tested: LDSQA3D05R659727DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313423
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-68)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R659727DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R65 optic, 2700K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

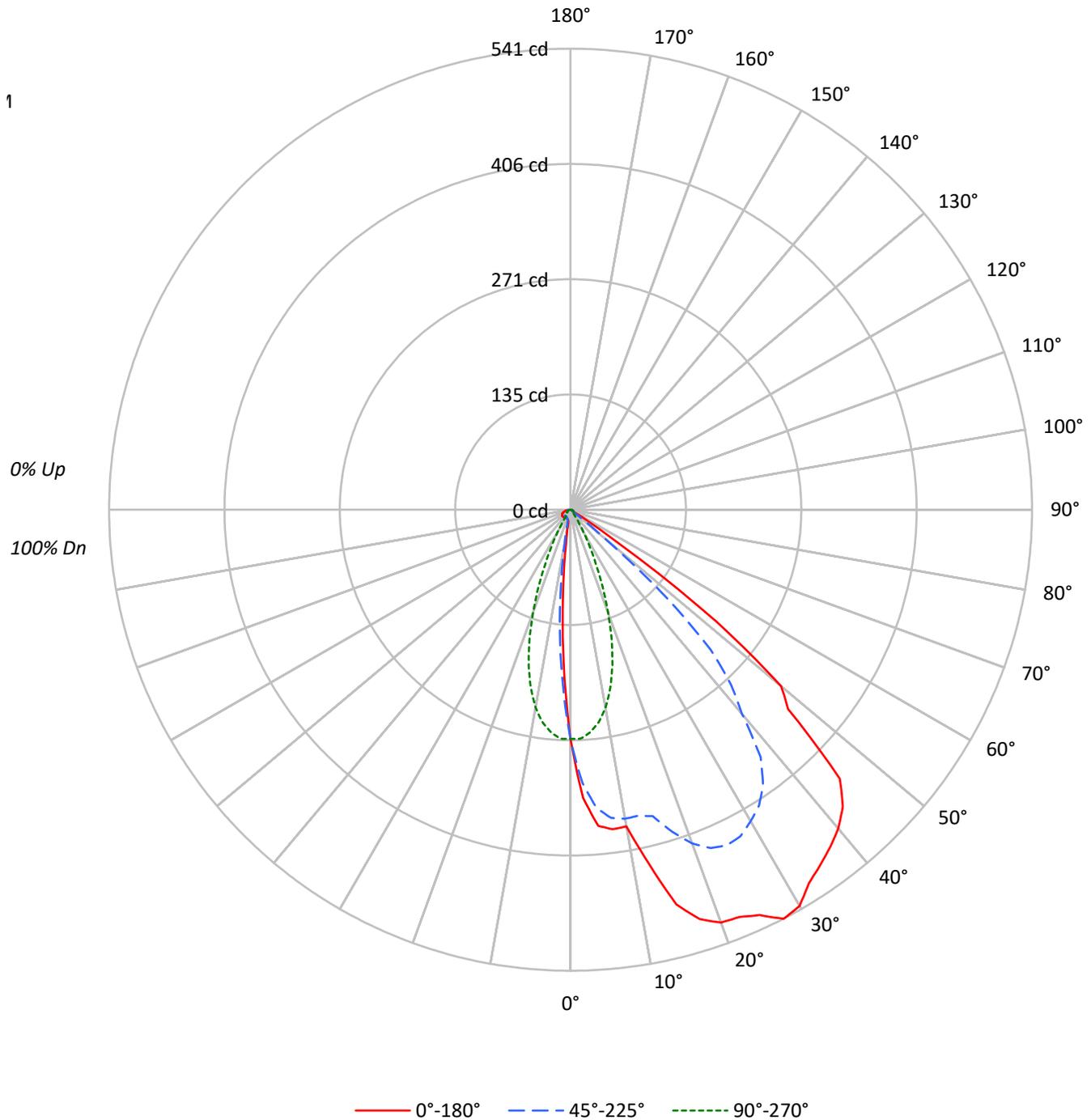
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 403.0 lumens
Efficiency: N/A
Efficacy: 56.0 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22
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	103	110	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	81	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	64	60	58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	63	58	54	53
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	58	53	49	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	45	41	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	46311	46311	46311	46311	46311
5°	64363	60750	45329	24912	17513
10°	65982	64373	41237	6960	2571
15°	85494	66380	33752	2247	2157
20°	94479	76371	23496	1998	2071
25°	99726	82529	13283	1919	2071
30°	106771	83941	6006	1909	2168
35°	107162	82689	1934	2018	2376
40°	109780	70234	1326	2158	2630
45°	108725	56603	1315	2338	2850
50°	86301	13343	1340	2572	3242
55°	20508	751	1381	2883	3633
60°	723	861	1584	3031	3892
65°	856	856	1549	3260	4279
70°	655	856	1460	3172	4431
75°	532	865	1397	3327	4458
80°	397	793	1686	3372	4562
85°	790	1581	1581	3359	4150

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°
 Vertical Angle: 45°
 Luminance: 108944 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.4	5.6
10°-20°	59.1	14.7
20°-30°	92.8	23.0
30°-40°	106.2	26.4
40°-50°	85.3	21.2
50°-60°	27.7	6.9
60°-70°	4.9	1.2
70°-80°	3.3	0.8
80°-90°	1.2	0.3
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°	174.4	43.3
0°-40°	280.5	69.6
0°-60°	393.6	97.7
0°-90°	403.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	403.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	269	269	269	269	269	
5°	372	351	262	144	101	35
15°	480	372	189	13	12	134
25°	525	434	70	10	11	245
35°	510	393	9	10	11	320
45°	446	232	5	10	12	321
55°	68	2	5	10	12	98
65°	2	2	4	8	10	2
75°	1	1	2	5	7	1
85°	0	1	1	2	2	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	268.9	268.9	268.9	268.9	268.9	268.9	268.9	268.9	268.9	268.9	268.9
2.5°	338.4	337.1	338.8	335.9	335.5	332.5	330.9	330.0	326.2	321.2	316.6
5°	372.3	367.3	368.5	368.1	366.0	364.8	363.1	361.0	356.0	351.4	345.5
7.5°	378.2	374.0	374.8	375.2	374.0	373.6	373.1	372.3	369.0	364.8	359.7
10°	377.3	373.1	372.7	371.5	370.2	370.6	370.6	370.6	369.8	368.1	366.4
12.5°	425.9	420.1	418.8	410.0	402.0	388.2	379.4	371.1	367.3	367.7	366.4
15°	479.5	479.1	474.9	466.5	453.1	440.6	420.5	405.4	386.1	372.3	366.4
17.5°	503.8	503.4	499.6	492.5	482.9	471.1	456.5	438.9	417.5	396.2	378.6
20°	515.5	518.5	514.3	508.4	499.2	488.3	474.5	458.6	438.5	416.7	395.8
22.5°	517.2	521.0	517.2	513.0	506.3	499.2	487.5	471.1	450.6	429.7	409.2
25°	524.8	526.0	518.1	512.6	506.3	501.3	492.1	477.8	456.9	434.3	414.2
27.5°	541.1	535.6	518.9	511.4	505.5	500.9	492.1	477.4	454.8	431.8	410.8
30°	536.9	534.8	520.1	513.0	508.0	503.4	492.5	473.7	446.4	422.1	400.4
32.5°	519.7	523.9	518.9	516.4	513.9	508.0	492.1	466.5	436.0	411.3	381.9
35°	509.7	514.7	515.1	515.1	512.2	503.4	484.6	456.1	425.5	393.3	353.9
37.5°	499.6	503.8	506.3	508.0	503.8	491.3	467.4	441.8	408.3	366.0	296.9
40°	488.3	491.3	493.3	494.2	487.9	471.6	449.8	420.9	383.2	312.4	265.1
42.5°	472.4	474.1	473.7	473.2	466.5	448.5	428.0	397.9	323.3	278.5	221.1
45°	446.4	444.8	447.3	447.3	438.5	425.1	397.9	339.2	289.4	232.4	142.4
47.5°	345.9	347.2	359.3	379.0	391.2	387.4	350.5	296.9	243.3	152.4	47.3
50°	322.1	320.8	321.2	323.3	324.6	314.1	287.7	250.9	160.8	49.8	3.4
52.5°	216.1	217.4	227.0	249.2	256.3	248.8	223.6	167.5	58.6	3.4	2.9
55°	68.3	72.9	78.3	90.0	110.6	123.5	121.0	59.5	3.8	2.5	2.9
57.5°	2.5	2.5	3.4	5.9	11.3	18.4	19.3	3.8	2.9	2.9	2.9
60°	2.1	2.1	2.1	2.1	2.1	2.1	2.5	2.5	2.5	2.5	2.5
62.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.5	2.5	2.5	2.5
65°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.5
67.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.1	2.1	2.1	2.1
70°	1.3	1.3	1.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.1
72.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.7	1.7	1.7
75°	0.8	0.8	0.8	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
77.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.3	1.3	1.3
80°	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.3
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4
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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	268.9	268.9	268.9	268.9	268.9	268.9	268.9	268.9
2.5°	314.1	309.1	299.0	268.9	237.5	206.0	186.4	181.3
5°	338.8	332.9	318.7	262.2	198.5	144.1	113.1	101.3
7.5°	353.9	346.8	330.0	251.7	154.5	83.8	50.3	40.2
10°	360.6	354.3	335.5	235.8	111.8	39.8	17.6	14.7
12.5°	363.5	358.5	337.6	214.8	72.9	17.6	13.0	12.6
15°	364.8	359.3	336.7	189.3	41.5	12.6	12.1	12.1
17.5°	366.0	359.7	331.7	160.0	23.0	11.7	11.3	11.7
20°	376.1	358.1	322.9	128.2	15.1	10.9	10.9	11.3
22.5°	386.1	357.7	307.4	98.0	11.7	10.5	10.9	10.9
25°	389.5	353.5	287.7	69.9	10.1	10.1	10.5	10.9
27.5°	383.2	341.3	261.3	47.3	8.8	10.1	10.5	10.9
30°	368.5	320.8	229.5	30.2	8.4	9.6	10.5	10.9
32.5°	341.3	280.2	193.9	18.0	8.0	9.6	10.9	10.9
35°	286.9	234.9	153.7	9.2	8.0	9.6	10.9	11.3
37.5°	250.9	196.0	107.2	6.3	8.0	9.6	10.9	11.3
40°	208.1	141.6	44.8	5.9	8.0	9.6	10.9	11.7
42.5°	144.1	61.6	7.1	5.4	7.5	9.6	11.3	11.7
45°	51.9	8.0	3.4	5.4	7.5	9.6	11.3	11.7
47.5°	4.6	2.9	3.4	5.4	7.5	9.6	11.3	12.1
50°	2.9	2.9	2.9	5.0	7.5	9.6	11.3	12.1
52.5°	2.9	2.9	2.9	5.0	7.1	9.6	11.7	12.1
55°	2.9	2.9	2.9	4.6	7.1	9.6	11.3	12.1
57.5°	2.9	2.9	3.4	4.6	7.1	9.2	11.3	11.7
60°	2.9	2.9	2.9	4.6	6.7	8.8	10.9	11.3
62.5°	2.5	2.9	2.9	4.2	6.3	8.4	10.5	10.9
65°	2.5	2.5	2.9	3.8	5.9	8.0	9.6	10.5
67.5°	2.1	2.5	2.5	3.4	5.0	7.1	8.8	9.6
70°	2.1	2.1	2.1	2.9	4.6	6.3	8.4	8.8
72.5°	1.7	2.1	2.1	2.5	3.8	5.4	7.1	8.0
75°	1.7	1.7	1.7	2.1	3.4	5.0	6.3	6.7
77.5°	1.3	1.3	1.7	1.7	2.9	3.8	5.4	5.9
80°	1.3	1.3	1.3	1.7	2.1	3.4	4.2	4.6
82.5°	0.8	0.8	0.8	1.3	1.7	2.1	2.9	3.4
85°	0.8	0.8	0.8	0.8	1.3	1.7	2.1	2.1
87.5°	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)