

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: P1318141

Luminaire Tested: LDSQA3D05R709830DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318141
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-70)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R709830DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

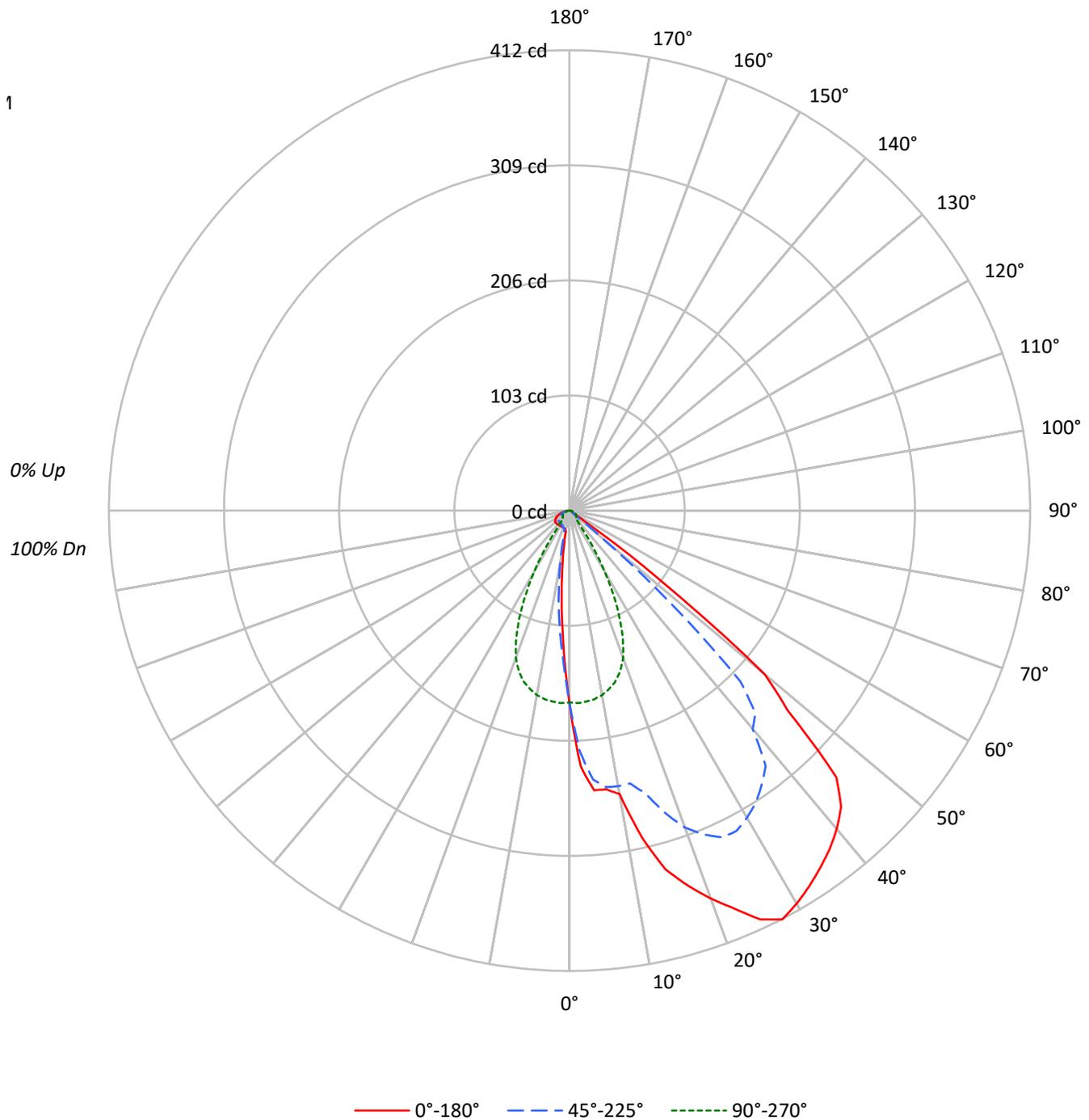
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 326.0 lumens
Efficiency: N/A
Efficacy: 45.3 lumens/watt
Spacing Criteria (0/90/45): 1.7 / 0.89 / 1.39
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





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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	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	92	92	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	82	82	82	80
3	97	89	83	78	95	87	82	77	85	80	76	82	78	74	80	76	73	73	73	73	71
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	65	65	65	64
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	59	59	59	57
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	53	53	53	51
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	48	48	48	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	43	43	43	42
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	40	40	40	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	36	36	36	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	29553	29553	29553	29553	29553
5°	43428	41768	29666	17720	13882
10°	45031	43790	29310	8482	3428
15°	59284	46696	28225	3031	2960
20°	67720	55313	25695	2914	2987
25°	76695	61303	20181	2812	2945
30°	80779	63120	12509	2804	3162
35°	82122	62989	4121	2880	3343
40°	83588	57307	2001	3080	3665
45°	82250	52609	2070	3239	3970
50°	61142	9726	2090	3563	4367
55°	4894	1321	2222	3783	4654
60°	1033	1412	2170	3823	4857
65°	1060	1345	2119	3749	4972
70°	906	1309	2065	3525	4834
75°	732	1198	1730	3460	4658
80°	694	1091	1785	3273	4364
85°	790	1383	2174	2964	3557

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°
 Vertical Angle: 45°
 Luminance: 83249 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.6	4.8
10°-20°	43.9	13.5
20°-30°	73.8	22.6
30°-40°	88.7	27.2
40°-50°	70.3	21.6
50°-60°	22.5	6.9
60°-70°	6.3	1.9
70°-80°	3.7	1.1
80°-90°	1.2	0.4
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°	133.3	40.9
0°-40°	222.0	68.1
0°-60°	314.8	96.6
0°-90°	326.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	326.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	172	172	172	172	172	
5°	251	242	172	102	80	24
15°	332	262	158	17	17	94
25°	404	323	106	15	16	184
35°	391	300	20	14	16	245
45°	338	216	8	13	16	243
55°	16	4	7	13	16	51
65°	3	3	5	9	12	3
75°	1	2	3	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°	171.6	171.6	171.6	171.6	171.6	171.6	171.6	171.6	171.6	171.6	171.6
2.5°	229.0	230.5	230.5	228.6	229.3	226.4	224.2	220.8	220.1	216.0	210.8
5°	251.2	250.4	250.4	248.9	249.7	248.6	247.5	246.7	244.5	241.6	238.6
7.5°	251.5	252.3	252.6	252.3	253.8	252.6	252.6	252.6	251.2	249.7	246.7
10°	257.5	256.3	255.2	252.6	251.2	250.1	250.1	250.4	251.2	250.4	248.6
12.5°	300.0	295.9	294.1	287.8	283.0	274.8	265.6	258.6	252.3	250.1	248.6
15°	332.5	331.8	328.1	322.2	316.3	306.7	295.9	285.2	273.7	261.9	253.4
17.5°	351.8	350.3	346.6	340.3	333.3	324.4	315.9	307.8	296.7	283.4	269.7
20°	369.5	366.2	361.4	354.0	347.0	338.5	329.2	321.5	312.2	301.8	285.9
22.5°	385.4	382.5	374.7	364.7	357.7	349.6	341.4	334.0	325.5	313.7	299.3
25°	403.6	396.9	384.3	371.4	362.9	356.2	350.3	344.4	335.5	322.6	305.5
27.5°	412.4	403.2	389.5	376.6	368.4	361.4	355.1	349.2	339.2	323.3	303.7
30°	406.2	401.0	391.4	381.4	374.7	368.1	360.7	351.8	335.9	317.4	299.3
32.5°	398.8	396.2	391.7	385.8	381.7	375.1	364.7	350.3	328.1	310.0	290.4
35°	390.6	389.5	388.0	385.4	382.9	376.6	363.6	342.5	320.3	299.6	280.8
37.5°	382.1	381.0	382.1	381.7	379.5	371.4	351.8	332.2	309.2	288.2	251.5
40°	371.8	371.0	372.9	374.7	372.1	361.4	340.3	316.6	296.3	254.9	242.3
42.5°	359.6	359.2	362.5	364.0	360.3	344.4	319.6	302.2	259.3	246.0	216.4
45°	337.7	338.5	339.9	341.8	339.6	322.2	299.6	267.8	248.9	216.0	123.2
47.5°	264.5	265.2	272.6	288.2	298.9	293.0	273.7	250.1	222.7	123.5	38.8
50°	228.2	227.5	227.9	231.6	240.1	248.2	242.3	229.3	132.8	36.3	4.8
52.5°	100.2	111.3	123.2	156.5	177.9	200.5	204.9	143.5	43.3	4.8	4.8
55°	16.3	17.0	21.5	31.4	56.6	85.4	103.6	48.1	4.4	4.4	4.4
57.5°	3.3	3.3	3.3	3.7	5.5	11.8	13.7	4.1	4.1	4.1	4.4
60°	3.0	3.0	3.0	3.0	3.3	3.3	3.3	3.7	3.7	4.1	4.1
62.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.3	3.3	3.7	3.7	4.1
65°	2.6	2.6	2.6	2.6	3.0	3.0	3.0	3.0	3.3	3.3	3.7
67.5°	2.2	2.2	2.2	2.2	2.6	2.6	2.6	3.0	3.0	3.0	3.3
70°	1.8	1.8	1.8	1.8	2.2	2.2	2.2	2.2	2.6	2.6	2.6
72.5°	1.5	1.5	1.5	1.5	1.8	1.8	1.8	1.8	2.2	2.2	2.2
75°	1.1	1.1	1.5	1.5	1.5	1.5	1.5	1.5	1.8	1.8	1.8
77.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.5	1.5	1.5	1.5
80°	0.7	0.7	0.7	0.7	0.7	0.7	1.1	1.1	1.1	1.1	1.1
82.5°	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7
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°	171.6	171.6	171.6	171.6	171.6	171.6	171.6	171.6
2.5°	207.5	202.3	195.3	172.4	151.3	132.1	122.4	121.3
5°	233.8	229.0	217.1	171.6	131.3	102.5	85.1	80.3
7.5°	243.8	239.7	229.3	170.2	112.5	73.6	54.0	46.6
10°	246.4	243.8	234.9	167.6	92.8	48.5	25.5	19.6
12.5°	247.5	245.6	237.1	163.5	73.2	25.2	17.4	17.4
15°	249.3	247.5	239.3	158.3	54.0	17.0	16.6	16.6
17.5°	257.5	251.5	242.3	150.6	35.5	16.3	16.3	16.3
20°	270.8	257.8	243.8	140.2	22.2	15.9	15.9	16.3
22.5°	281.9	264.5	243.4	124.7	16.3	15.2	15.5	15.9
25°	286.7	267.4	240.1	106.2	14.1	14.8	15.5	15.5
27.5°	285.9	268.6	237.1	85.1	13.3	14.4	15.2	15.9
30°	281.9	265.6	230.5	62.9	12.6	14.1	15.2	15.9
32.5°	274.8	254.1	217.1	40.7	12.2	14.1	15.2	15.9
35°	251.9	235.6	197.9	19.6	11.8	13.7	15.5	15.9
37.5°	238.6	216.0	150.9	9.6	11.5	13.7	15.5	15.9
40°	217.1	161.3	68.1	8.9	11.5	13.7	15.5	16.3
42.5°	136.5	66.2	11.1	8.5	11.1	13.7	15.5	16.3
45°	49.9	8.9	5.9	8.5	11.1	13.3	15.5	16.3
47.5°	5.2	5.2	5.5	8.1	10.7	13.3	15.5	16.3
50°	4.8	5.2	5.5	7.8	10.4	13.3	15.2	16.3
52.5°	4.8	5.2	5.5	7.8	10.0	12.9	15.2	16.3
55°	4.8	5.2	5.2	7.4	9.6	12.6	14.8	15.5
57.5°	4.4	4.8	5.2	7.0	9.2	11.8	14.4	15.2
60°	4.4	4.8	5.2	6.3	8.9	11.1	13.7	14.1
62.5°	4.1	4.4	4.8	5.9	8.1	10.4	12.6	13.3
65°	4.1	4.1	4.4	5.2	7.4	9.2	11.5	12.2
67.5°	3.3	3.7	3.7	4.4	6.3	8.1	10.4	11.1
70°	3.0	3.0	3.3	4.1	5.5	7.0	8.9	9.6
72.5°	2.6	2.6	2.6	3.3	4.8	6.3	7.8	8.5
75°	2.2	2.2	2.2	2.6	4.1	5.2	6.7	7.0
77.5°	1.8	1.8	1.8	2.2	3.3	4.4	5.2	5.9
80°	1.5	1.5	1.5	1.8	2.6	3.3	4.1	4.4
82.5°	1.1	1.1	1.1	1.5	1.8	2.2	3.0	3.0
85°	0.7	0.7	0.7	1.1	1.1	1.5	1.8	1.8
87.5°	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)