

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: P1313429

Luminaire Tested: LDSQA3D05R709727DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313429
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: LDSQA3D05R709727DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

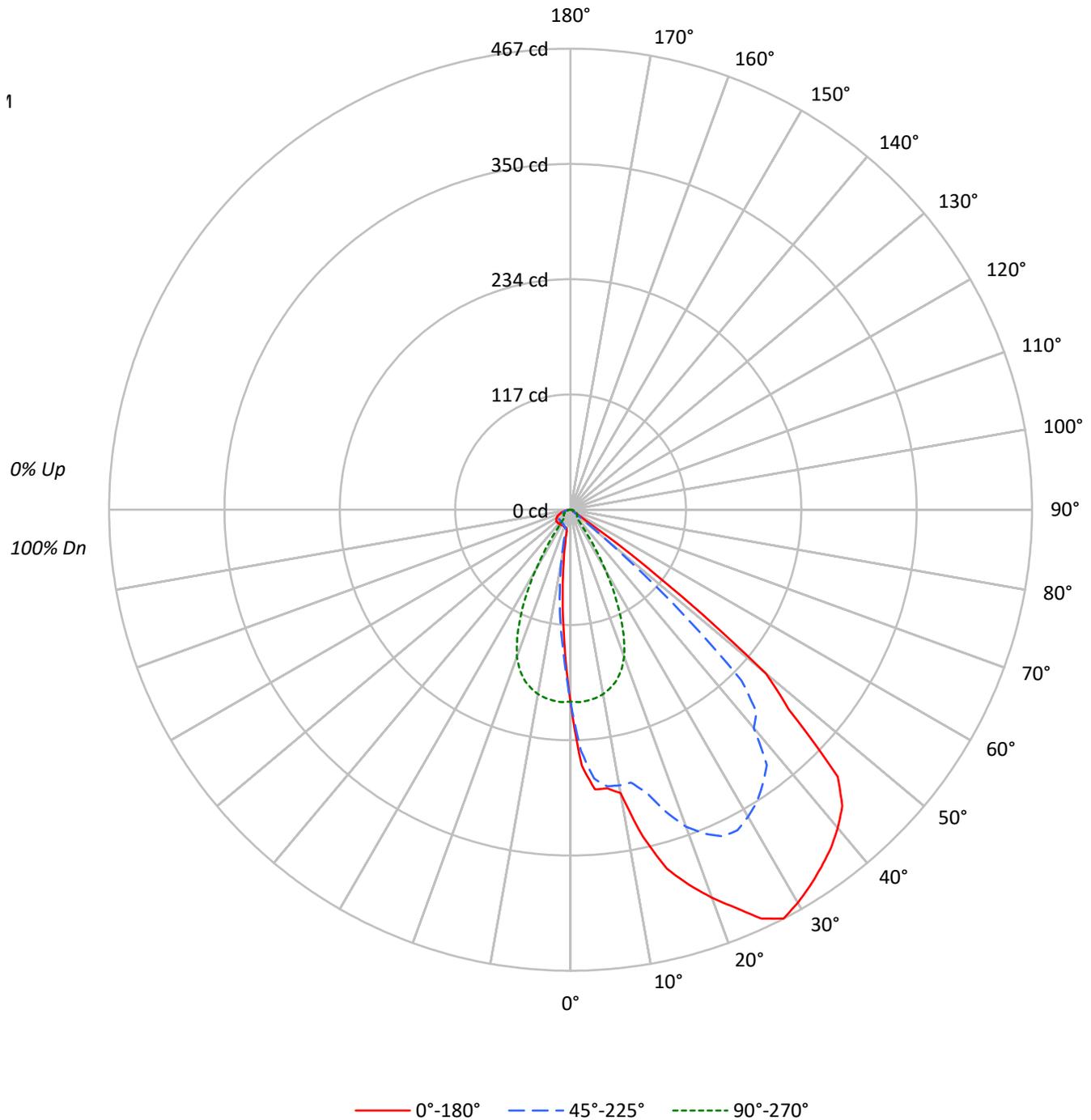
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 369.0 lumens
Efficiency: N/A
Efficacy: 51.2 lumens/watt
Spacing Criteria (0/90/45): 1.69 / 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 (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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	92	90	
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	82	80	
3	97	89	83	78	95	87	82	77	85	80	76	82	78	74	80	76	73	73	71	
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	65	64	
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	62	59	59	57	
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	53	51	
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	48	46	
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	43	42	
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	40	38	
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	36	35	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	33463	33463	33463	33463	33463
5°	49150	47266	33591	20054	15715
10°	50960	49578	33175	9583	3882
15°	67111	52848	31951	3441	3352
20°	76664	62625	29086	3299	3372
25°	86804	69379	22841	3173	3344
30°	91419	71433	14159	3162	3580
35°	92949	71294	4667	3259	3784
40°	94605	64861	2248	3485	4137
45°	93113	59550	2338	3678	4481
50°	69207	10985	2358	4046	4930
55°	5525	1501	2522	4264	5285
60°	1137	1584	2446	4340	5477
65°	1182	1549	2404	4279	5624
70°	1057	1460	2316	4028	5489
75°	865	1397	1930	3926	5323
80°	793	1289	2083	3769	4959
85°	790	1581	2569	3359	4150

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°
 Vertical Angle: 45°
 Luminance: 94233 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.7	4.8
10°-20°	49.7	13.5
20°-30°	83.5	22.6
30°-40°	100.4	27.2
40°-50°	79.6	21.6
50°-60°	25.5	6.9
60°-70°	7.1	1.9
70°-80°	4.2	1.2
80°-90°	1.3	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°	150.9	40.9
0°-40°	251.3	68.1
0°-60°	356.3	96.6
0°-90°	369.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	369.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	194	194	194	194	194	
5°	284	273	194	116	91	27
15°	376	296	179	19	19	106
25°	457	365	120	17	18	209
35°	442	339	22	16	18	277
45°	382	244	10	15	18	275
55°	18	5	8	14	18	58
65°	3	4	6	10	14	3
75°	1	2	3	6	8	2
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°	194.3	194.3	194.3	194.3	194.3	194.3	194.3	194.3	194.3	194.3	194.3
2.5°	259.2	260.9	260.9	258.8	259.6	256.2	253.7	250.0	249.1	244.5	238.7
5°	284.3	283.5	283.5	281.8	282.6	281.4	280.1	279.3	276.8	273.4	270.1
7.5°	284.7	285.6	286.0	285.6	287.2	286.0	286.0	286.0	284.3	282.6	279.3
10°	291.4	290.2	288.9	286.0	284.3	283.0	283.0	283.5	284.3	283.5	281.4
12.5°	339.6	335.0	332.9	325.7	320.3	311.1	300.6	292.7	285.6	283.0	281.4
15°	376.4	375.6	371.4	364.7	358.0	347.1	335.0	322.8	309.8	296.4	286.8
17.5°	398.2	396.5	392.3	385.2	377.2	367.2	357.6	348.4	335.8	320.7	305.2
20°	418.3	414.5	409.1	400.7	392.7	383.1	372.6	363.9	353.4	341.7	323.7
22.5°	436.3	432.9	424.1	412.8	404.9	395.7	386.5	378.1	368.5	355.1	338.7
25°	456.8	449.3	435.0	420.4	410.7	403.2	396.5	389.8	379.8	365.1	345.8
27.5°	466.9	456.4	440.9	426.2	417.0	409.1	402.0	395.3	383.9	365.9	343.8
30°	459.7	453.9	443.0	431.7	424.1	416.6	408.2	398.2	380.2	359.2	338.7
32.5°	451.4	448.4	443.4	436.7	432.1	424.6	412.8	396.5	371.4	350.9	328.7
35°	442.1	440.9	439.2	436.3	433.4	426.2	411.6	387.7	362.6	339.1	317.8
37.5°	432.5	431.3	432.5	432.1	429.6	420.4	398.2	376.0	350.0	326.2	284.7
40°	420.8	420.0	422.1	424.1	421.2	409.1	385.2	358.4	335.4	288.5	274.2
42.5°	407.0	406.6	410.3	412.0	407.8	389.8	361.8	342.1	293.5	278.4	244.9
45°	382.3	383.1	384.8	386.9	384.4	364.7	339.1	303.1	281.8	244.5	139.4
47.5°	299.4	300.2	308.6	326.2	338.3	331.6	309.8	283.0	252.1	139.8	44.0
50°	258.3	257.5	257.9	262.1	271.7	280.9	274.2	259.6	150.3	41.0	5.4
52.5°	113.5	126.0	139.4	177.1	201.4	226.9	232.0	162.5	49.0	5.4	5.4
55°	18.4	19.3	24.3	35.6	64.1	96.7	117.2	54.4	5.0	5.0	5.0
57.5°	3.8	3.8	3.8	4.2	6.3	13.4	15.5	4.6	4.6	4.6	5.0
60°	3.3	3.3	3.3	3.3	3.8	3.8	3.8	4.2	4.2	4.6	4.6
62.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.8	3.8	4.2	4.2	4.6
65°	2.9	2.9	2.9	2.9	3.3	3.3	3.3	3.3	3.8	3.8	4.2
67.5°	2.5	2.5	2.5	2.5	2.9	2.9	2.9	3.3	3.3	3.3	3.8
70°	2.1	2.1	2.1	2.1	2.5	2.5	2.5	2.5	2.9	2.9	2.9
72.5°	1.7	1.7	1.7	1.7	2.1	2.1	2.1	2.1	2.5	2.5	2.5
75°	1.3	1.3	1.7	1.7	1.7	1.7	1.7	1.7	2.1	2.1	2.1
77.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.7	1.7	1.7	1.7
80°	0.8	0.8	0.8	0.8	0.8	0.8	1.3	1.3	1.3	1.3	1.3
82.5°	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8	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°	194.3	194.3	194.3	194.3	194.3	194.3	194.3	194.3
2.5°	234.9	229.0	221.1	195.1	171.2	149.5	138.6	137.3
5°	264.6	259.2	245.8	194.3	148.6	116.0	96.3	90.9
7.5°	275.9	271.3	259.6	192.6	127.3	83.3	61.1	52.8
10°	278.9	275.9	265.9	189.7	105.1	54.8	28.9	22.2
12.5°	280.1	278.0	268.4	185.1	82.9	28.5	19.7	19.7
15°	282.2	280.1	270.9	179.2	61.1	19.3	18.8	18.8
17.5°	291.4	284.7	274.2	170.4	40.2	18.4	18.4	18.4
20°	306.5	291.8	275.9	158.7	25.1	18.0	18.0	18.4
22.5°	319.0	299.4	275.5	141.1	18.4	17.2	17.6	18.0
25°	324.5	302.7	271.7	120.2	15.9	16.7	17.6	17.6
27.5°	323.7	304.0	268.4	96.3	15.1	16.3	17.2	18.0
30°	319.0	300.6	260.9	71.2	14.2	15.9	17.2	18.0
32.5°	311.1	287.6	245.8	46.1	13.8	15.9	17.2	18.0
35°	285.1	266.7	224.0	22.2	13.4	15.5	17.6	18.0
37.5°	270.1	244.5	170.8	10.9	13.0	15.5	17.6	18.0
40°	245.8	182.6	77.0	10.0	13.0	15.5	17.6	18.4
42.5°	154.5	74.9	12.6	9.6	12.6	15.5	17.6	18.4
45°	56.5	10.0	6.7	9.6	12.6	15.1	17.6	18.4
47.5°	5.9	5.9	6.3	9.2	12.1	15.1	17.6	18.4
50°	5.4	5.9	6.3	8.8	11.7	15.1	17.2	18.4
52.5°	5.4	5.9	6.3	8.8	11.3	14.7	17.2	18.4
55°	5.4	5.9	5.9	8.4	10.9	14.2	16.7	17.6
57.5°	5.0	5.4	5.9	8.0	10.5	13.4	16.3	17.2
60°	5.0	5.4	5.9	7.1	10.0	12.6	15.5	15.9
62.5°	4.6	5.0	5.4	6.7	9.2	11.7	14.2	15.1
65°	4.6	4.6	5.0	5.9	8.4	10.5	13.0	13.8
67.5°	3.8	4.2	4.2	5.0	7.1	9.2	11.7	12.6
70°	3.3	3.3	3.8	4.6	6.3	8.0	10.0	10.9
72.5°	2.9	2.9	2.9	3.8	5.4	7.1	8.8	9.6
75°	2.5	2.5	2.5	2.9	4.6	5.9	7.5	8.0
77.5°	2.1	2.1	2.1	2.5	3.8	5.0	5.9	6.7
80°	1.7	1.7	1.7	2.1	2.9	3.8	4.6	5.0
82.5°	1.3	1.3	1.3	1.7	2.1	2.5	3.3	3.3
85°	0.8	0.8	0.8	1.3	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)