

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: P1309942

Luminaire Tested: LDSQA3D02R659035DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309942
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: LDSQA3D02R659035DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R65 optic, 3500K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

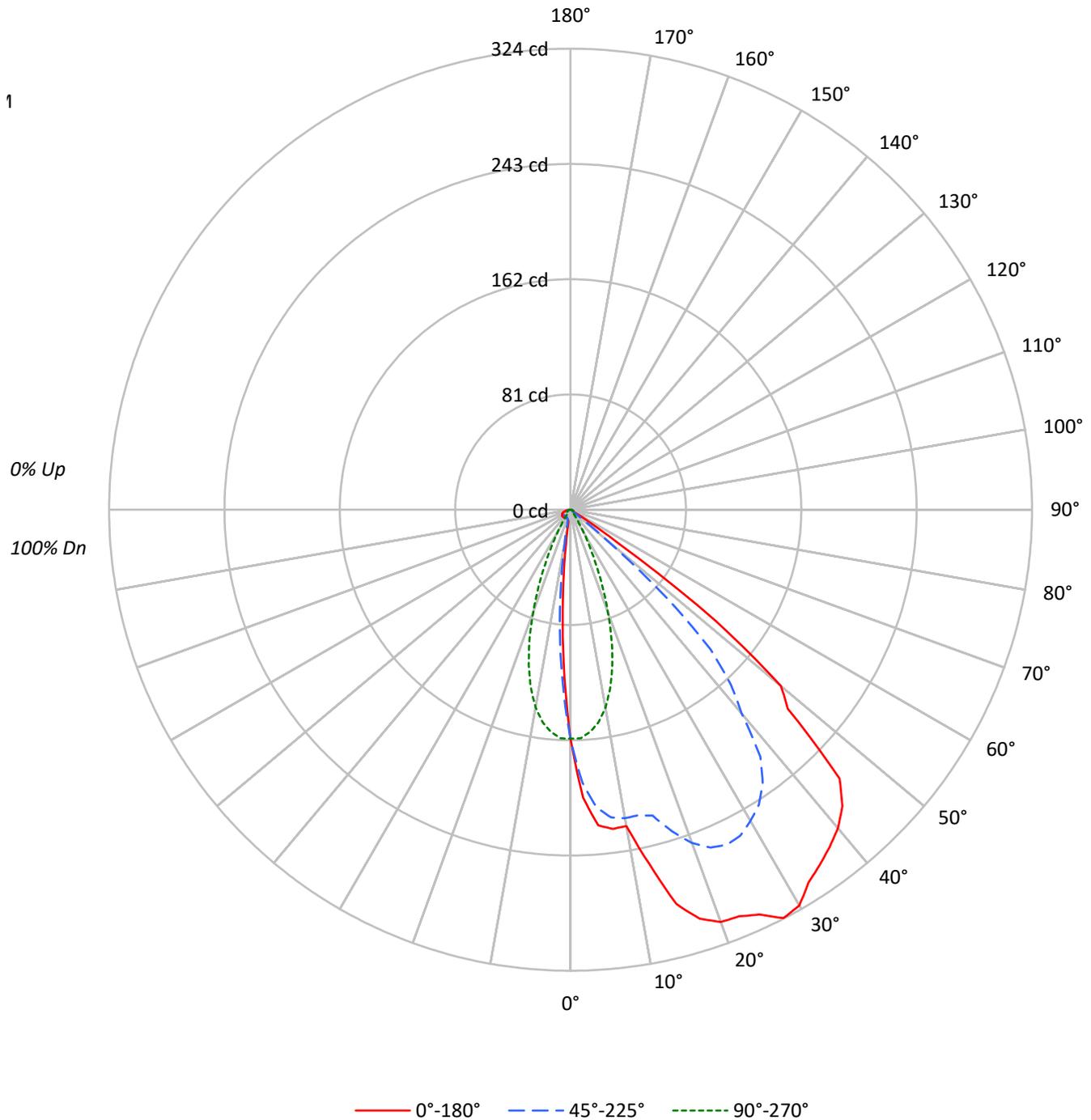
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 241.1 lumens
Efficiency: N/A
Efficacy: 67.0 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): 3.6
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	109	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90	
2	105	99	94	89	102	97	92	88	94	90	86	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°	27693	27693	27693	27693	27693
5°	38483	36322	27108	14902	10477
10°	39470	38491	24658	4162	1539
15°	51136	39689	20183	1337	1302
20°	56504	45672	14039	1191	1246
25°	59630	49350	7943	1140	1235
30°	63856	50214	3580	1153	1293
35°	64083	49450	1156	1219	1430
40°	65648	41997	787	1304	1574
45°	65030	33855	804	1413	1705
50°	51603	7984	804	1554	1956
55°	12251	450	841	1742	2192
60°	448	517	964	1826	2342
65°	530	530	937	1956	2567
70°	403	504	906	1913	2669
75°	333	532	865	1996	2662
80°	298	496	992	1984	2777
85°	593	988	988	1976	2569

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°
 Vertical Angle: 45°
 Luminance: 65152 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.4	5.6
10°-20°	35.3	14.7
20°-30°	55.5	23.0
30°-40°	63.5	26.3
40°-50°	51.1	21.2
50°-60°	16.6	6.9
60°-70°	3.0	1.2
70°-80°	2.0	0.8
80°-90°	0.7	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°	104.3	43.2
0°-40°	167.8	69.6
0°-60°	235.5	97.6
0°-90°	241.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	241.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	161	161	161	161	161	
5°	223	210	157	86	61	21
15°	287	223	113	8	7	80
25°	314	260	42	6	6	146
35°	305	235	6	6	7	191
45°	267	139	3	6	7	192
55°	41	2	3	6	7	58
65°	1	1	2	5	6	1
75°	0	1	1	3	4	1
85°	0	0	0	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°	50°
0°	160.8	160.8	160.8	160.8	160.8	160.8	160.8	160.8	160.8	160.8	160.8
2.5°	202.4	201.6	202.6	200.9	200.6	198.9	197.9	197.4	195.1	192.1	189.3
5°	222.6	219.6	220.4	220.1	218.9	218.1	217.1	215.9	212.9	210.1	206.6
7.5°	226.2	223.7	224.2	224.4	223.7	223.4	223.1	222.6	220.6	218.1	215.1
10°	225.7	223.1	222.9	222.1	221.4	221.6	221.6	221.6	221.1	220.1	219.1
12.5°	254.7	251.2	250.4	245.2	240.4	232.2	226.9	221.9	219.6	219.9	219.1
15°	286.8	286.5	284.0	279.0	271.0	263.5	251.4	242.4	230.9	222.6	219.1
17.5°	301.3	301.0	298.8	294.5	288.8	281.8	273.0	262.5	249.7	236.9	226.4
20°	308.3	310.1	307.6	304.0	298.5	292.0	283.8	274.2	262.2	249.2	236.7
22.5°	309.3	311.6	309.3	306.8	302.8	298.5	291.5	281.8	269.5	257.0	244.7
25°	313.8	314.6	309.8	306.5	302.8	299.8	294.3	285.8	273.2	259.7	247.7
27.5°	323.6	320.3	310.3	305.8	302.3	299.5	294.3	285.5	272.0	258.2	245.7
30°	321.1	319.8	311.1	306.8	303.8	301.0	294.5	283.3	267.0	252.5	239.4
32.5°	310.8	313.3	310.3	308.8	307.3	303.8	294.3	279.0	260.7	245.9	228.4
35°	304.8	307.8	308.1	308.1	306.3	301.0	289.8	272.7	254.5	235.2	211.6
37.5°	298.8	301.3	302.8	303.8	301.3	293.8	279.5	264.2	244.2	218.9	177.6
40°	292.0	293.8	295.0	295.5	291.8	282.0	269.0	251.7	229.2	186.8	158.5
42.5°	282.5	283.5	283.3	283.0	279.0	268.2	256.0	237.9	193.3	166.5	132.2
45°	267.0	266.0	267.5	267.5	262.2	254.2	237.9	202.9	173.1	139.0	85.2
47.5°	206.9	207.6	214.9	226.7	233.9	231.7	209.6	177.6	145.5	91.2	28.3
50°	192.6	191.8	192.1	193.3	194.1	187.8	172.1	150.0	96.2	29.8	2.0
52.5°	129.2	130.0	135.7	149.0	153.3	148.8	133.7	100.2	35.1	2.0	1.8
55°	40.8	43.6	46.8	53.8	66.1	73.9	72.4	35.6	2.3	1.5	1.8
57.5°	1.5	1.5	2.0	3.5	6.8	11.0	11.5	2.3	1.8	1.8	1.8
60°	1.3	1.3	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.5
62.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.5
65°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.5
67.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.3	1.3	1.3	1.3
70°	0.8	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.3
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.0	1.0	1.0
75°	0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
77.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.8	0.8
80°	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5
85°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3
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°	160.8	160.8	160.8	160.8	160.8	160.8	160.8	160.8
2.5°	187.8	184.8	178.8	160.8	142.0	123.2	111.4	108.4
5°	202.6	199.1	190.6	156.8	118.7	86.2	67.6	60.6
7.5°	211.6	207.4	197.4	150.5	92.4	50.1	30.1	24.0
10°	215.6	211.9	200.6	141.0	66.9	23.8	10.5	8.8
12.5°	217.4	214.4	201.9	128.5	43.6	10.5	7.8	7.5
15°	218.1	214.9	201.4	113.2	24.8	7.5	7.3	7.3
17.5°	218.9	215.1	198.4	95.7	13.8	7.0	6.8	7.0
20°	224.9	214.1	193.1	76.6	9.0	6.5	6.5	6.8
22.5°	230.9	213.9	183.8	58.6	7.0	6.3	6.5	6.5
25°	232.9	211.4	172.1	41.8	6.0	6.0	6.3	6.5
27.5°	229.2	204.1	156.3	28.3	5.3	6.0	6.3	6.5
30°	220.4	191.8	137.2	18.0	5.0	5.8	6.3	6.5
32.5°	204.1	167.5	116.0	10.8	4.8	5.8	6.5	6.5
35°	171.6	140.5	91.9	5.5	4.8	5.8	6.5	6.8
37.5°	150.0	117.2	64.1	3.8	4.8	5.8	6.5	6.8
40°	124.5	84.7	26.8	3.5	4.8	5.8	6.5	7.0
42.5°	86.2	36.8	4.3	3.3	4.5	5.8	6.8	7.0
45°	31.1	4.8	2.0	3.3	4.5	5.8	6.8	7.0
47.5°	2.8	1.8	2.0	3.3	4.5	5.8	6.8	7.3
50°	1.8	1.8	1.8	3.0	4.5	5.8	6.8	7.3
52.5°	1.8	1.8	1.8	3.0	4.3	5.8	7.0	7.3
55°	1.8	1.8	1.8	2.8	4.3	5.8	6.8	7.3
57.5°	1.8	1.8	2.0	2.8	4.3	5.5	6.8	7.0
60°	1.8	1.8	1.8	2.8	4.0	5.3	6.5	6.8
62.5°	1.5	1.8	1.8	2.5	3.8	5.0	6.3	6.5
65°	1.5	1.5	1.8	2.3	3.5	4.8	5.8	6.3
67.5°	1.3	1.5	1.5	2.0	3.0	4.3	5.3	5.8
70°	1.3	1.3	1.3	1.8	2.8	3.8	5.0	5.3
72.5°	1.0	1.3	1.3	1.5	2.3	3.3	4.3	4.8
75°	1.0	1.0	1.0	1.3	2.0	3.0	3.8	4.0
77.5°	0.8	0.8	1.0	1.0	1.8	2.3	3.3	3.5
80°	0.8	0.8	0.8	1.0	1.3	2.0	2.5	2.8
82.5°	0.5	0.5	0.5	0.8	1.0	1.3	1.8	2.0
85°	0.5	0.5	0.5	0.5	0.8	1.0	1.3	1.3
87.5°	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)