

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: P1323521

Luminaire Tested: LDSQA3D02R559030D2WDE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323521
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-66)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R559030D2WDE010 3LSQCA30R 1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R55 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

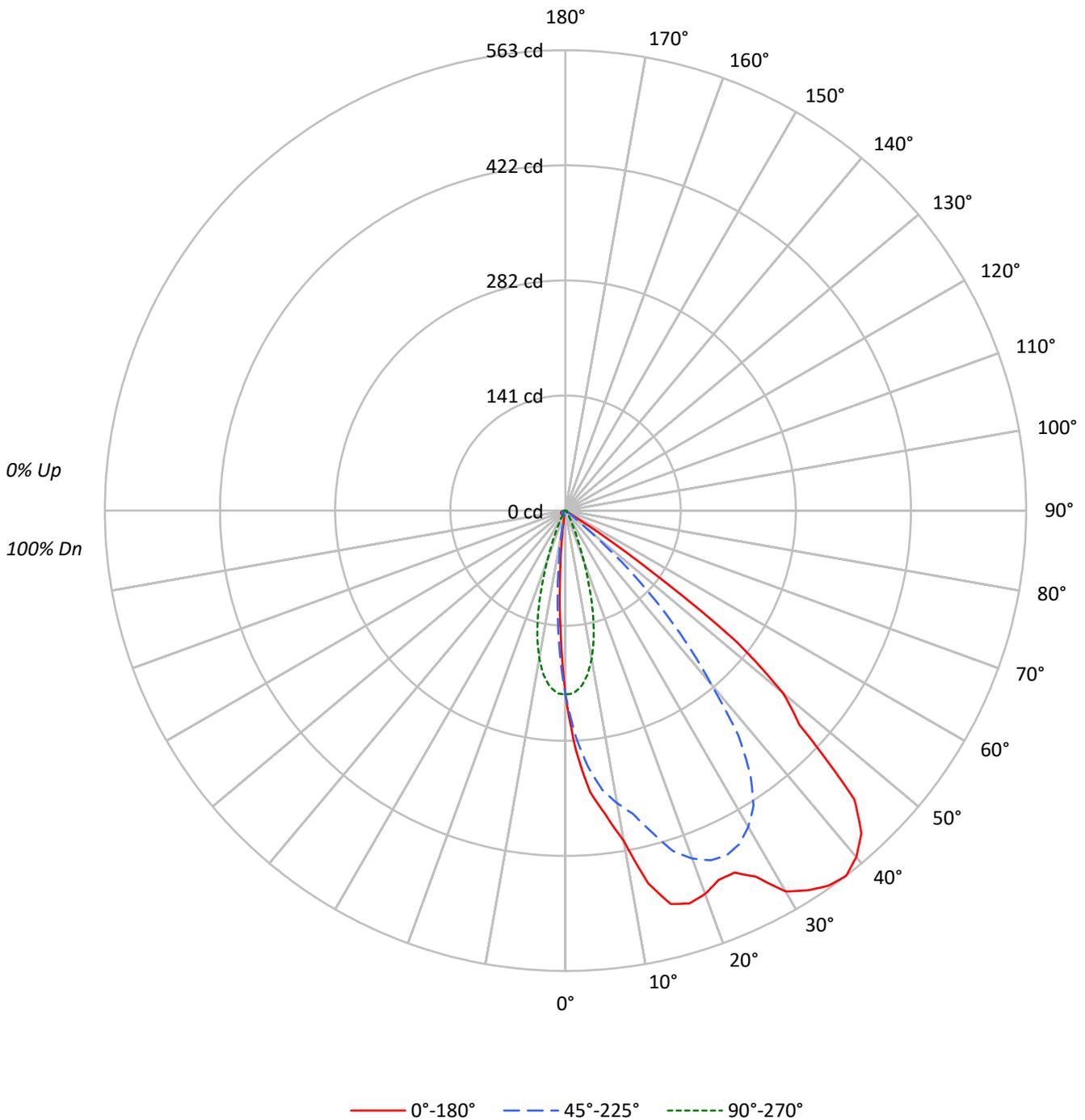
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 375.1 lumens
Efficiency: N/A
Efficacy: 52.1 lumens/watt
Spacing Criteria (0/90/45): 1.79 / 0.55 / 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	38716	38716	38716	38716	38716
5°	59696	54336	37394	19207	12620
10°	71718	63516	32178	4844	1941
15°	88810	72549	23000	1337	1052
20°	91454	82987	11876	898	898
25°	92790	88400	4770	798	931
30°	106950	88813	2068	835	974
35°	117737	82794	883	883	1093
40°	124348	62320	517	1034	1169
45°	121634	38093	487	1120	1437
50°	93026	8118	536	1313	1661
55°	34140	300	601	1471	1862
60°	344	344	689	1688	2136
65°	408	408	815	1712	2241
70°	352	504	806	1964	2618
75°	200	466	865	2196	3061
80°	298	694	992	2281	3273
85°	0	593	1383	2569	3162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 121634 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.8	5.3
10°-20°	56.7	15.1
20°-30°	86.9	23.2
30°-40°	101.3	27.0
40°-50°	81.0	21.6
50°-60°	24.0	6.4
60°-70°	2.6	0.7
70°-80°	2.0	0.5
80°-90°	0.9	0.2
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°	163.4	43.6
0°-40°	264.7	70.6
0°-60°	369.6	98.5
0°-90°	375.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	375.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	225	225	225	225	225	
5°	345	314	216	111	73	34
15°	498	407	129	8	6	137
25°	488	465	25	4	5	232
35°	560	394	4	4	5	349
45°	499	156	2	5	6	360
55°	114	1	2	5	6	120
65°	1	1	2	4	6	1
75°	0	1	1	3	5	0
85°	0	0	1	1	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°	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8
2.5°	293.2	293.2	292.2	292.5	291.9	288.3	287.6	283.1	279.2	274.9	271.3
5°	345.3	345.9	345.0	343.0	340.4	337.8	332.3	328.0	322.5	314.3	306.8
7.5°	374.9	374.3	372.6	372.0	370.4	367.4	363.5	359.0	352.5	344.3	335.5
10°	410.1	404.6	402.9	400.3	395.1	389.3	382.4	376.2	370.7	363.2	353.8
12.5°	466.8	465.8	459.3	454.4	447.2	434.2	422.5	408.8	392.5	379.5	367.1
15°	498.1	498.7	495.8	491.9	487.3	476.6	464.8	448.9	429.7	406.9	386.7
17.5°	503.6	504.6	502.9	501.3	500.0	493.8	486.7	475.3	457.7	436.5	406.5
20°	499.0	501.0	501.3	503.3	505.9	503.3	497.4	489.6	474.9	452.8	424.1
22.5°	488.9	492.5	495.1	502.0	508.8	508.8	505.2	499.0	484.7	462.9	433.6
25°	488.3	488.9	489.9	501.0	511.7	514.0	510.8	504.2	488.6	465.2	433.2
27.5°	504.6	500.3	493.8	504.9	517.6	519.6	515.0	506.2	487.6	459.9	422.2
30°	537.8	528.4	514.7	522.8	531.6	529.3	520.2	506.2	481.1	446.6	401.3
32.5°	550.5	545.3	540.4	549.2	550.8	541.4	525.1	504.2	470.7	427.7	367.1
35°	560.0	560.3	558.3	560.0	552.1	538.8	520.9	493.5	451.2	393.8	321.8
37.5°	563.2	563.9	559.6	553.8	542.0	526.7	505.2	474.0	418.6	347.2	253.4
40°	553.1	551.2	544.3	536.2	523.5	507.8	484.4	437.8	370.0	277.2	197.7
42.5°	535.2	531.9	523.8	514.0	500.7	480.8	443.3	387.0	300.7	216.3	138.4
45°	499.4	497.1	487.0	479.8	463.9	438.1	389.9	318.9	232.6	156.4	80.1
47.5°	388.0	388.3	396.1	399.7	394.1	373.6	316.9	242.4	169.7	93.2	27.0
50°	347.2	345.6	337.8	327.0	309.1	278.5	232.6	171.3	100.3	30.3	3.9
52.5°	263.5	263.5	259.6	254.1	235.2	205.5	157.3	94.8	35.2	5.2	1.0
55°	113.7	107.8	111.1	117.3	112.4	97.7	73.6	28.3	6.2	1.0	1.0
57.5°	1.6	3.9	5.9	9.4	12.7	15.3	8.1	2.9	1.0	1.0	1.0
60°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
62.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
65°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
67.5°	0.7	0.7	0.7	1.0	0.7	1.0	1.0	1.0	1.0	1.0	1.0
70°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.0	1.0
72.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
75°	0.3	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
77.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.7	0.7	0.7	0.7
80°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.7	0.7
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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°	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8
2.5°	266.1	260.6	251.5	223.8	195.1	168.7	149.8	142.7
5°	298.4	288.3	273.0	216.3	159.3	111.1	83.7	73.0
7.5°	323.8	310.8	288.6	203.3	116.9	59.3	35.5	28.0
10°	340.7	326.4	297.4	184.0	77.5	27.7	13.4	11.1
12.5°	353.1	335.2	300.7	159.3	45.6	12.7	7.2	6.5
15°	362.2	339.1	296.8	129.0	25.1	7.5	5.9	5.9
17.5°	374.9	341.1	287.3	95.1	14.3	5.5	5.5	5.5
20°	384.7	341.1	269.4	64.8	8.8	4.9	4.9	4.9
22.5°	389.6	335.8	247.6	41.0	6.2	4.6	4.9	4.9
25°	384.7	323.1	219.6	25.1	4.9	4.2	4.6	4.9
27.5°	366.8	297.7	182.1	16.0	3.9	4.2	4.6	4.9
30°	336.8	260.9	139.7	10.4	3.6	4.2	4.6	4.9
32.5°	294.5	206.2	90.6	6.8	3.3	4.2	4.6	4.9
35°	230.0	145.9	54.7	4.2	3.3	4.2	4.9	5.2
37.5°	172.3	97.4	29.6	2.6	3.3	4.2	4.9	5.2
40°	119.5	56.7	12.7	2.3	3.3	4.6	5.2	5.2
42.5°	69.4	22.5	3.3	2.0	3.3	4.6	5.2	5.5
45°	25.4	4.6	1.0	2.0	3.6	4.6	5.2	5.9
47.5°	3.6	1.0	1.0	2.0	3.6	4.6	5.5	5.9
50°	1.0	1.0	1.0	2.0	3.6	4.9	5.9	6.2
52.5°	1.0	1.0	1.0	2.0	3.6	4.9	5.9	6.2
55°	1.0	1.0	1.0	2.0	3.6	4.9	5.9	6.2
57.5°	1.0	1.0	1.0	2.0	3.6	4.9	5.9	6.2
60°	1.0	1.0	1.0	2.0	3.3	4.9	5.9	6.2
62.5°	1.0	1.0	1.0	2.0	3.3	4.6	5.5	5.9
65°	1.0	1.0	1.0	2.0	2.9	4.2	5.5	5.5
67.5°	1.0	1.0	1.0	1.6	2.9	4.2	5.2	5.5
70°	1.0	1.0	1.0	1.6	2.6	3.9	4.9	5.2
72.5°	1.0	1.0	1.0	1.3	2.3	3.6	4.6	4.9
75°	0.7	1.0	1.0	1.3	2.3	3.3	4.2	4.6
77.5°	0.7	1.0	1.0	1.0	2.0	2.6	3.6	3.9
80°	0.7	0.7	1.0	1.0	1.6	2.3	2.9	3.3
82.5°	0.7	0.7	0.7	1.0	1.3	1.6	2.3	2.3
85°	0.7	0.7	0.7	0.7	1.0	1.3	1.6	1.6
87.5°	0.3	0.3	0.7	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)