

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: P1318530

Luminaire Tested: LDSQA3D17R409830DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318530
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R409830DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

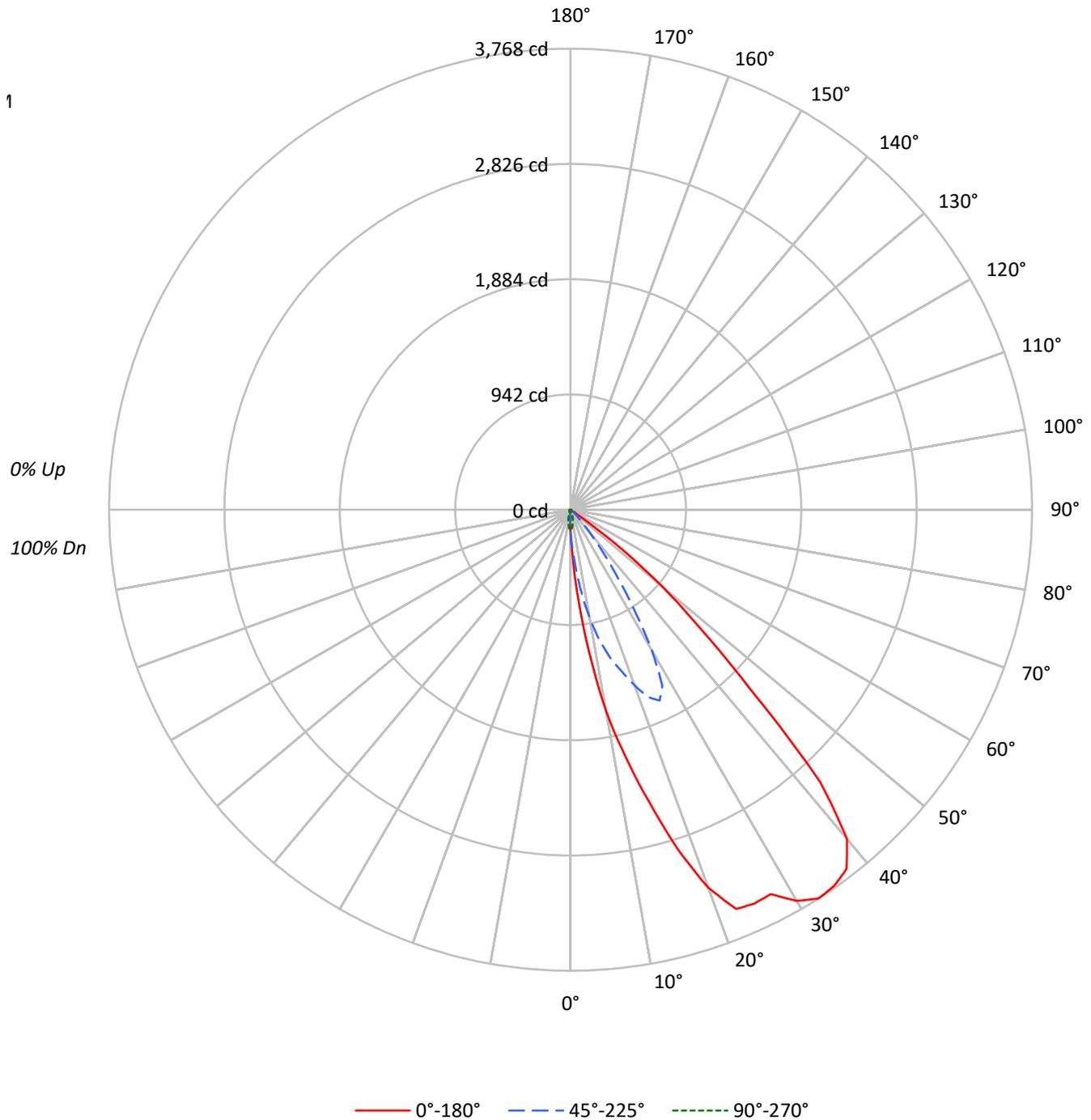
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1389.9 lumens
Efficiency: N/A
Efficacy: 68.1 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.42 / 1.24
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	96	94	93	91
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	89	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	82	79	76	74
4	92	83	77	71	90	82	76	71	80	74	70	78	73	69	76	72	68	76	72	68	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	70	65	62	60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	60	56	64	60	56	54
7	75	64	57	52	74	63	56	52	62	56	51	61	55	51	59	54	51	59	54	51	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	55	50	46	44
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	28331	28331	28331	28331	28331
5°	127759	81444	25396	9750	7105
10°	292976	157374	17873	3498	2676
15°	439665	223283	11108	1890	1676
20°	602005	279898	6451	1081	1283
25°	674861	327055	3344	893	1121
30°	734053	263994	1392	696	1173
35°	788902	135103	484	988	1472
40°	789188	53890	270	1057	1844
45°	503876	18023	560	1705	2582
50°	261581	2197	938	2197	3135
55°	22580	360	1051	2822	3873
60°	792	413	1206	3238	4443
65°	937	489	1915	3342	4768
70°	604	604	2367	3525	4733
75°	799	799	2329	3926	5456
80°	1190	1190	3471	3471	4661
85°	0	2371	6916	4545	4545

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 503876 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.0	2.3
10°-20°	188.1	13.5
20°-30°	412.0	29.6
30°-40°	469.4	33.8
40°-50°	247.7	17.8
50°-60°	29.2	2.1
60°-70°	5.2	0.4
70°-80°	4.3	0.3
80°-90°	2.0	0.1
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°	632.2	45.5
0°-40°	1101.6	79.3
0°-60°	1378.4	99.2
0°-90°	1389.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1389.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	164	164	164	164	164	
5°	739	471	147	56	41	100
15°	2466	1252	62	11	9	727
25°	3551	1721	18	5	6	1636
35°	3752	643	2	5	7	2326
45°	2069	74	2	7	11	1668
55°	75	1	4	9	13	233
65°	2	1	5	8	12	2
75°	1	1	4	6	8	1
85°	0	1	4	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°	67.5°
0°	164.5	164.5	164.5	164.5	164.5	164.5	164.5	164.5	164.5	164.5	164.5
2.5°	366.5	366.5	365.4	354.8	353.6	352.4	333.6	328.9	306.6	291.4	222.0
5°	739.0	722.5	721.3	702.5	670.8	628.5	601.5	558.0	515.7	471.1	273.7
7.5°	1177.2	1191.3	1152.5	1132.5	1062.0	1011.5	934.0	865.8	770.7	681.4	316.0
10°	1675.3	1650.6	1611.8	1573.1	1496.7	1406.2	1291.1	1170.1	1032.7	899.9	339.5
12.5°	2064.1	2032.4	2008.9	1956.0	1880.9	1764.6	1627.1	1465.0	1282.9	1091.4	338.3
15°	2465.9	2434.2	2381.3	2334.3	2222.7	2092.3	1943.1	1729.3	1506.1	1252.3	313.7
17.5°	2907.6	2866.5	2807.8	2736.1	2628.0	2483.5	2294.4	2033.6	1717.6	1383.9	269.0
20°	3284.7	3260.1	3201.3	3116.8	3011.0	2870.0	2651.5	2362.5	1977.2	1527.2	213.8
22.5°	3531.5	3509.1	3469.2	3395.2	3315.3	3164.9	2965.2	2648.0	2194.5	1657.6	162.1
25°	3551.4	3542.0	3531.5	3506.8	3458.6	3351.7	3156.7	2814.8	2329.6	1721.1	119.8
27.5°	3540.9	3537.3	3535.0	3522.1	3490.3	3384.6	3184.9	2839.5	2312.0	1622.4	88.1
30°	3691.2	3680.7	3674.8	3632.5	3549.1	3385.8	3125.0	2706.7	2054.7	1327.5	63.4
32.5°	3767.6	3765.2	3759.4	3718.3	3600.8	3388.1	3023.9	2386.0	1629.5	958.6	43.5
35°	3752.3	3740.6	3719.4	3643.1	3479.8	3213.1	2697.3	1905.5	1176.0	642.6	28.2
37.5°	3700.6	3673.6	3632.5	3495.0	3277.7	2913.5	2187.5	1402.7	800.0	415.9	16.4
40°	3510.3	3473.9	3409.3	3241.3	2955.8	2401.3	1617.7	948.1	525.1	239.7	4.7
42.5°	3018.1	2971.1	2924.1	2736.1	2409.5	1790.4	1064.4	586.2	299.6	131.6	1.2
45°	2068.8	2010.1	1945.5	1809.2	1547.2	1084.3	633.2	330.1	155.1	74.0	1.2
47.5°	1436.8	1409.8	1297.0	1123.1	861.1	574.5	327.8	162.1	82.2	34.1	1.2
50°	976.3	945.7	814.1	646.1	458.2	274.9	150.4	81.1	36.4	8.2	1.2
52.5°	512.2	474.6	391.2	298.4	185.6	115.1	65.8	35.2	10.6	1.2	1.2
55°	75.2	69.3	56.4	45.8	41.1	31.7	18.8	8.2	1.2	1.2	2.3
57.5°	2.3	2.3	2.3	2.3	3.5	3.5	2.3	1.2	1.2	1.2	2.3
60°	2.3	2.3	2.3	2.3	2.3	1.2	1.2	1.2	1.2	1.2	2.3
62.5°	2.3	2.3	2.3	2.3	2.3	1.2	1.2	1.2	1.2	1.2	2.3
65°	2.3	2.3	2.3	2.3	2.3	1.2	1.2	1.2	1.2	1.2	2.3
67.5°	2.3	2.3	2.3	2.3	1.2	1.2	1.2	1.2	1.2	2.3	3.5
70°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.5
72.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	3.5
75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.5
77.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	3.5
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3
82.5°	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	3.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	2.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	2.3
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):

	90°	112.5°	135°	157.5°	180°
0°	164.5	164.5	164.5	164.5	164.5
2.5°	162.1	119.8	92.8	79.9	78.7
5°	146.9	85.8	56.4	43.5	41.1
7.5°	124.5	59.9	32.9	23.5	22.3
10°	102.2	41.1	20.0	16.4	15.3
12.5°	81.1	27.0	14.1	12.9	11.7
15°	62.3	17.6	10.6	9.4	9.4
17.5°	47.0	11.7	8.2	8.2	8.2
20°	35.2	8.2	5.9	7.0	7.0
22.5°	24.7	5.9	4.7	5.9	5.9
25°	17.6	4.7	4.7	5.9	5.9
27.5°	11.7	3.5	3.5	4.7	5.9
30°	7.0	2.3	3.5	4.7	5.9
32.5°	3.5	2.3	3.5	5.9	5.9
35°	2.3	3.5	4.7	5.9	7.0
37.5°	1.2	3.5	4.7	7.0	7.0
40°	1.2	3.5	4.7	7.0	8.2
42.5°	2.3	4.7	5.9	8.2	9.4
45°	2.3	4.7	7.0	9.4	10.6
47.5°	2.3	4.7	8.2	10.6	10.6
50°	3.5	5.9	8.2	10.6	11.7
52.5°	3.5	5.9	8.2	11.7	12.9
55°	3.5	5.9	9.4	11.7	12.9
57.5°	3.5	7.0	9.4	11.7	12.9
60°	3.5	5.9	9.4	11.7	12.9
62.5°	4.7	5.9	8.2	11.7	11.7
65°	4.7	5.9	8.2	11.7	11.7
67.5°	4.7	5.9	8.2	10.6	10.6
70°	4.7	5.9	7.0	9.4	9.4
72.5°	4.7	5.9	7.0	8.2	9.4
75°	3.5	4.7	5.9	7.0	8.2
77.5°	3.5	4.7	4.7	7.0	7.0
80°	3.5	3.5	3.5	4.7	4.7
82.5°	3.5	3.5	2.3	3.5	3.5
85°	3.5	2.3	2.3	2.3	2.3
87.5°	2.3	2.3	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)