

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: P1314823

Luminaire Tested: LDSQA3D17R409730DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314823
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: LDSQA3D17R409730DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

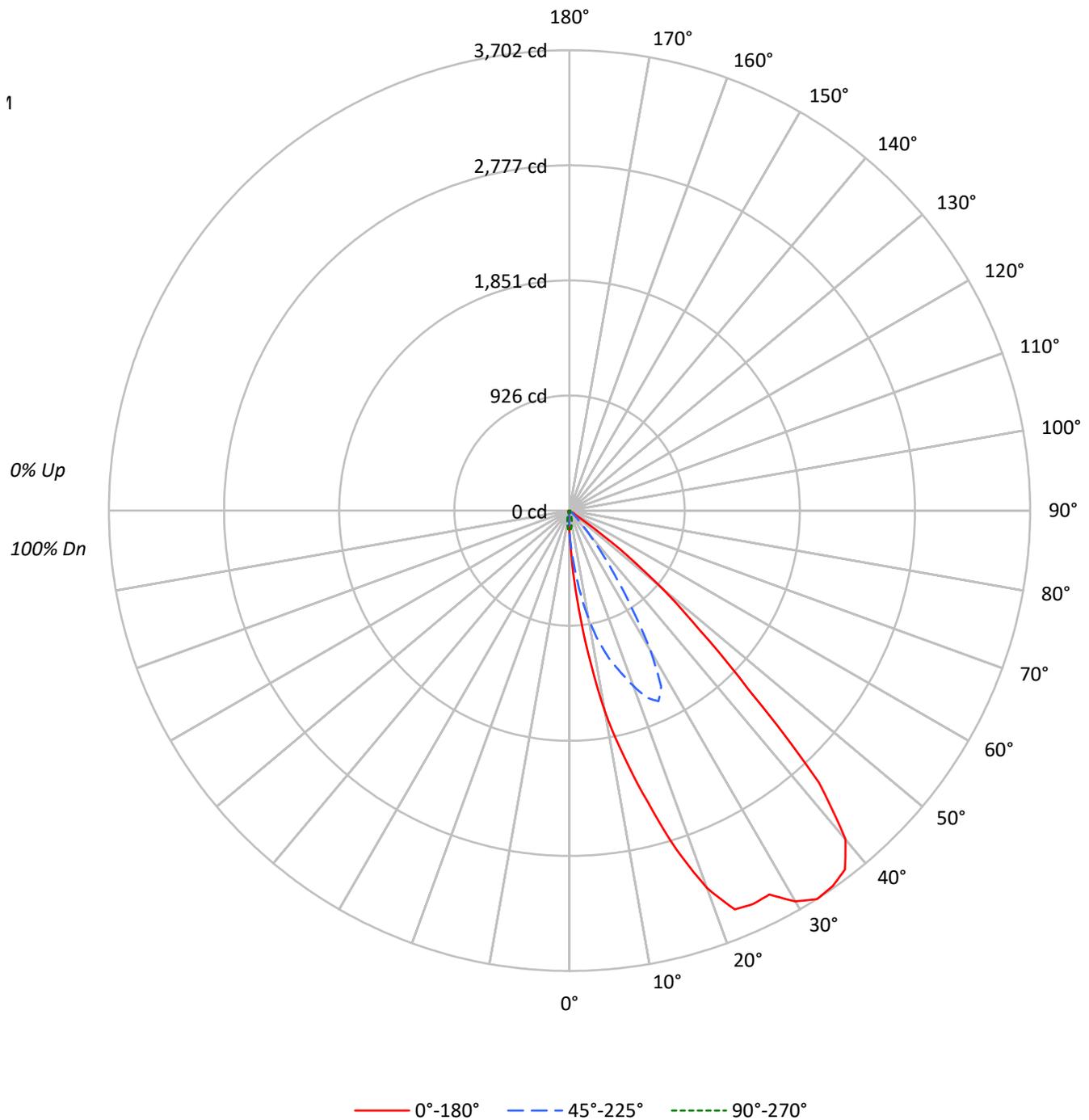
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1366.1 lumens
Efficiency: N/A
Efficacy: 64.4 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): 21.2
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	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	51	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°	27831	27831	27831	27831	27831
5°	125546	80044	24947	9578	6984
10°	287904	154663	17558	3428	2623
15°	432070	219431	10912	1854	1640
20°	591613	275078	6341	1063	1265
25°	663212	321411	3287	874	1102
30°	721385	259440	1372	696	1153
35°	775279	132770	484	967	1451
40°	775564	52945	270	1034	1821
45°	495181	17707	560	1681	2533
50°	257053	2170	938	2170	3081
55°	22189	360	1051	2762	3813
60°	792	413	1206	3169	4374
65°	937	489	1875	3301	4686
70°	604	604	2316	3474	4633
75°	799	799	2329	3859	5390
80°	1190	1190	3471	3471	4562
85°	0	2371	6916	4545	4545

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 495181 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.5	2.3
10°-20°	184.9	13.5
20°-30°	404.9	29.6
30°-40°	461.3	33.8
40°-50°	243.4	17.8
50°-60°	28.7	2.1
60°-70°	5.2	0.4
70°-80°	4.3	0.3
80°-90°	1.9	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°	621.3	45.5
0°-40°	1082.6	79.2
0°-60°	1354.7	99.2
0°-90°	1366.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1366.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	162	162	162	162	162	
5°	726	463	144	55	40	98
15°	2423	1231	61	10	9	714
25°	3490	1691	17	5	6	1608
35°	3688	632	2	5	7	2286
45°	2033	73	2	7	10	1639
55°	74	1	4	9	13	229
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°	161.6	161.6	161.6	161.6	161.6	161.6	161.6	161.6	161.6	161.6	161.6
2.5°	360.2	360.2	359.1	348.7	347.5	346.4	327.9	323.3	301.3	286.3	218.2
5°	726.2	710.0	708.9	690.4	659.2	617.7	591.1	548.4	506.8	463.0	269.0
7.5°	1156.8	1170.7	1132.6	1113.0	1043.7	994.0	917.8	850.9	757.4	669.6	310.6
10°	1646.3	1622.1	1584.0	1545.9	1470.9	1382.0	1268.8	1149.9	1014.8	884.4	333.7
12.5°	2028.5	1997.3	1974.2	1922.3	1848.4	1734.1	1599.0	1439.7	1260.7	1072.5	332.5
15°	2423.3	2392.2	2340.2	2294.0	2184.3	2056.2	1909.6	1699.5	1480.1	1230.7	308.3
17.5°	2857.4	2817.0	2759.3	2688.9	2582.7	2440.7	2254.8	1998.5	1687.9	1360.0	264.4
20°	3228.0	3203.8	3146.1	3062.9	2959.0	2820.5	2605.7	2321.7	1943.1	1500.9	210.1
22.5°	3470.5	3448.5	3409.3	3336.6	3258.1	3110.3	2914.0	2602.3	2156.6	1629.0	159.3
25°	3490.1	3480.9	3470.5	3446.2	3398.9	3293.8	3102.2	2766.2	2289.4	1691.4	117.8
27.5°	3479.7	3476.3	3473.9	3461.2	3430.1	3326.2	3129.9	2790.5	2272.1	1594.4	86.6
30°	3627.5	3617.1	3611.3	3569.8	3487.8	3327.3	3071.0	2660.0	2019.3	1304.6	62.3
32.5°	3702.5	3700.2	3694.5	3654.1	3538.6	3329.6	2971.7	2344.8	1601.3	942.1	42.7
35°	3687.5	3676.0	3655.2	3580.2	3419.7	3157.6	2650.8	1872.6	1155.7	631.5	27.7
37.5°	3636.7	3610.2	3569.8	3434.7	3221.1	2863.2	2149.7	1378.5	786.2	408.7	16.2
40°	3449.7	3413.9	3350.4	3185.3	2904.8	2359.8	1589.8	931.7	516.1	235.5	4.6
42.5°	2966.0	2919.8	2873.6	2688.9	2367.9	1759.5	1046.0	576.1	294.4	129.3	1.2
45°	2033.1	1975.4	1911.9	1778.0	1520.5	1065.6	622.3	324.4	152.4	72.7	1.2
47.5°	1412.0	1385.4	1274.6	1103.7	846.3	564.6	322.1	159.3	80.8	33.5	1.2
50°	959.4	929.4	800.1	635.0	450.3	270.2	147.8	79.7	35.8	8.1	1.2
52.5°	503.4	466.4	384.5	293.2	182.4	113.1	64.7	34.6	10.4	1.2	1.2
55°	73.9	68.1	55.4	45.0	40.4	31.2	18.5	8.1	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°	161.6	161.6	161.6	161.6	161.6
2.5°	159.3	117.8	91.2	78.5	77.4
5°	144.3	84.3	55.4	42.7	40.4
7.5°	122.4	58.9	32.3	23.1	21.9
10°	100.4	40.4	19.6	16.2	15.0
12.5°	79.7	26.6	13.9	12.7	11.5
15°	61.2	17.3	10.4	9.2	9.2
17.5°	46.2	11.5	8.1	8.1	8.1
20°	34.6	8.1	5.8	6.9	6.9
22.5°	24.2	5.8	4.6	5.8	5.8
25°	17.3	4.6	4.6	5.8	5.8
27.5°	11.5	3.5	3.5	4.6	5.8
30°	6.9	2.3	3.5	4.6	5.8
32.5°	3.5	2.3	3.5	5.8	5.8
35°	2.3	3.5	4.6	5.8	6.9
37.5°	1.2	3.5	4.6	6.9	6.9
40°	1.2	3.5	4.6	6.9	8.1
42.5°	2.3	4.6	5.8	8.1	9.2
45°	2.3	4.6	6.9	9.2	10.4
47.5°	2.3	4.6	8.1	10.4	10.4
50°	3.5	5.8	8.1	10.4	11.5
52.5°	3.5	5.8	8.1	11.5	12.7
55°	3.5	5.8	9.2	11.5	12.7
57.5°	3.5	6.9	9.2	11.5	12.7
60°	3.5	5.8	9.2	11.5	12.7
62.5°	4.6	5.8	8.1	11.5	11.5
65°	4.6	5.8	8.1	11.5	11.5
67.5°	4.6	5.8	8.1	10.4	10.4
70°	4.6	5.8	6.9	9.2	9.2
72.5°	4.6	5.8	6.9	8.1	9.2
75°	3.5	4.6	5.8	6.9	8.1
77.5°	3.5	4.6	4.6	6.9	6.9
80°	3.5	3.5	3.5	4.6	4.6
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)