

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: P1316767

Luminaire Tested: LDSQA3D17R409740DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316767
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: LDSQA3D17R409740DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

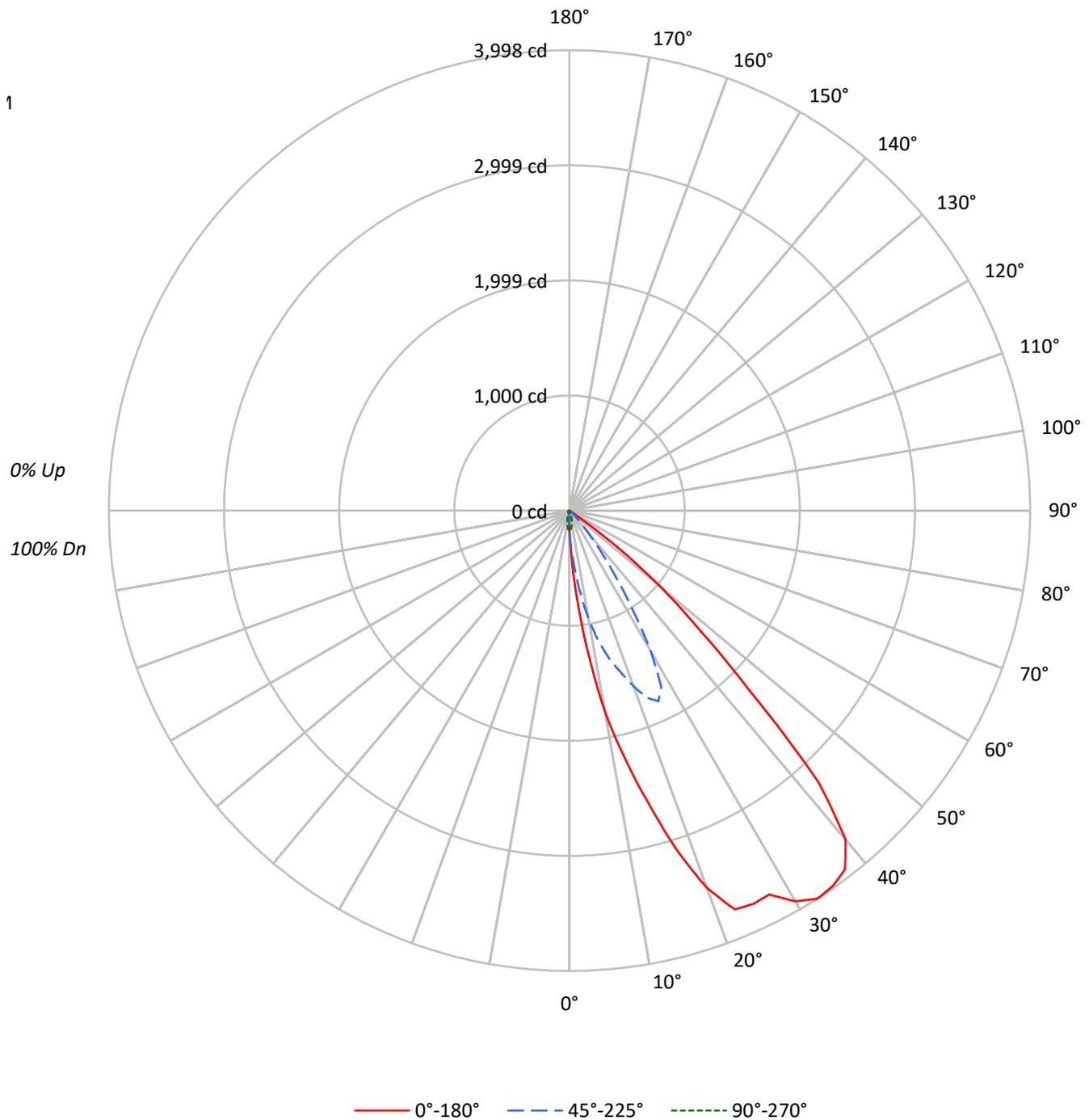
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1474.9 lumens
Efficiency: N/A
Efficacy: 69.6 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	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°	30053	30053	30053	30053	30053
5°	135556	86423	26935	10338	7538
10°	310883	166992	18974	3707	2833
15°	466552	236940	11785	1997	1783
20°	638825	297016	6855	1136	1375
25°	716134	347046	3553	950	1178
30°	778956	280142	1491	736	1233
35°	837154	143366	526	1051	1577
40°	837457	57172	270	1124	1956
45°	534686	19119	609	1827	2728
50°	277576	2331	991	2331	3349
55°	23961	360	1111	3003	4114
60°	861	413	1274	3444	4719
65°	1019	489	2038	3545	5094
70°	604	604	2518	3777	5035
75°	799	799	2462	4126	5789
80°	1190	1190	3670	3670	4959
85°	0	2371	7311	4940	4940

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 534686 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.0	2.3
10°-20°	199.6	13.5
20°-30°	437.2	29.6
30°-40°	498.1	33.8
40°-50°	262.8	17.8
50°-60°	31.0	2.1
60°-70°	5.6	0.4
70°-80°	4.6	0.3
80°-90°	2.1	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°	670.9	45.5
0°-40°	1169.0	79.3
0°-60°	1462.7	99.2
0°-90°	1474.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1474.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	174	174	174	174	174	
5°	784	500	156	60	44	106
15°	2617	1329	66	11	10	771
25°	3769	1826	19	5	6	1736
35°	3982	682	2	5	8	2468
45°	2195	78	2	8	11	1770
55°	80	1	4	10	14	248
65°	2	1	5	9	12	2
75°	1	1	4	6	9	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°	174.5	174.5	174.5	174.5	174.5	174.5	174.5	174.5	174.5	174.5	174.5
2.5°	389.0	389.0	387.7	376.5	375.2	374.0	354.0	349.1	325.4	309.2	235.6
5°	784.1	766.7	765.4	745.5	711.8	667.0	638.3	592.2	547.3	499.9	290.5
7.5°	1249.1	1264.1	1223.0	1201.8	1127.0	1073.4	991.1	918.8	817.8	723.1	335.3
10°	1777.7	1751.5	1710.4	1669.3	1588.2	1492.2	1370.1	1241.7	1095.8	954.9	360.3
12.5°	2190.4	2156.7	2131.8	2075.7	1995.9	1872.5	1726.6	1554.6	1361.3	1158.1	359.0
15°	2616.7	2583.0	2526.9	2477.1	2358.6	2220.3	2061.9	1835.1	1598.2	1328.9	332.9
17.5°	3085.4	3041.8	2979.5	2903.4	2788.7	2635.4	2434.7	2157.9	1822.6	1468.5	285.5
20°	3485.6	3459.4	3397.1	3307.3	3195.1	3045.6	2813.7	2507.0	2098.1	1620.6	226.9
22.5°	3747.4	3723.7	3681.3	3602.8	3518.0	3358.5	3146.5	2809.9	2328.7	1759.0	172.0
25°	3768.6	3758.6	3747.4	3721.2	3670.1	3556.7	3349.7	2987.0	2472.1	1826.3	127.2
27.5°	3757.4	3753.6	3751.2	3737.4	3703.8	3591.6	3379.7	3013.1	2453.4	1721.6	93.5
30°	3917.0	3905.7	3899.5	3854.6	3766.1	3592.8	3316.1	2872.3	2180.4	1408.7	67.3
32.5°	3998.0	3995.5	3989.3	3945.6	3821.0	3595.3	3208.9	2531.9	1729.1	1017.3	46.1
35°	3981.8	3969.3	3946.9	3865.8	3692.6	3409.6	2862.3	2022.1	1247.9	681.9	29.9
37.5°	3926.9	3898.3	3854.6	3708.8	3478.1	3091.7	2321.3	1488.5	849.0	441.3	17.5
40°	3725.0	3686.3	3617.8	3439.5	3136.6	2548.1	1716.6	1006.0	557.2	254.3	5.0
42.5°	3202.6	3152.8	3102.9	2903.4	2556.9	1899.9	1129.5	622.1	317.9	139.6	1.2
45°	2195.3	2133.0	2064.4	1919.8	1641.8	1150.7	671.9	350.3	164.6	78.5	1.2
47.5°	1524.6	1496.0	1376.3	1191.8	913.8	609.6	347.8	172.0	87.3	36.2	1.2
50°	1036.0	1003.5	863.9	685.7	486.2	291.7	159.6	86.0	38.6	8.7	1.2
52.5°	543.5	503.6	415.1	316.6	197.0	122.2	69.8	37.4	11.2	1.2	1.2
55°	79.8	73.6	59.8	48.6	43.6	33.7	19.9	8.7	1.2	1.2	2.5
57.5°	2.5	2.5	2.5	2.5	3.7	3.7	2.5	1.2	1.2	1.2	2.5
60°	2.5	2.5	2.5	2.5	2.5	1.2	1.2	1.2	1.2	1.2	2.5
62.5°	2.5	2.5	2.5	2.5	2.5	1.2	1.2	1.2	1.2	1.2	2.5
65°	2.5	2.5	2.5	2.5	2.5	1.2	1.2	1.2	1.2	1.2	2.5
67.5°	2.5	2.5	2.5	2.5	1.2	1.2	1.2	1.2	1.2	2.5	3.7
70°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.7
72.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	3.7
75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.7
77.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	3.7
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5
82.5°	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	3.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	2.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	2.5
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°	174.5	174.5	174.5	174.5	174.5
2.5°	172.0	127.2	98.5	84.8	83.5
5°	155.8	91.0	59.8	46.1	43.6
7.5°	132.1	63.6	34.9	24.9	23.7
10°	108.5	43.6	21.2	17.5	16.2
12.5°	86.0	28.7	15.0	13.7	12.5
15°	66.1	18.7	11.2	10.0	10.0
17.5°	49.9	12.5	8.7	8.7	8.7
20°	37.4	8.7	6.2	7.5	7.5
22.5°	26.2	6.2	5.0	6.2	6.2
25°	18.7	5.0	5.0	6.2	6.2
27.5°	12.5	3.7	3.7	5.0	6.2
30°	7.5	2.5	3.7	5.0	6.2
32.5°	3.7	2.5	3.7	6.2	6.2
35°	2.5	3.7	5.0	6.2	7.5
37.5°	1.2	3.7	5.0	7.5	7.5
40°	1.2	3.7	5.0	7.5	8.7
42.5°	2.5	5.0	6.2	8.7	10.0
45°	2.5	5.0	7.5	10.0	11.2
47.5°	2.5	5.0	8.7	11.2	11.2
50°	3.7	6.2	8.7	11.2	12.5
52.5°	3.7	6.2	8.7	12.5	13.7
55°	3.7	6.2	10.0	12.5	13.7
57.5°	3.7	7.5	10.0	12.5	13.7
60°	3.7	6.2	10.0	12.5	13.7
62.5°	5.0	6.2	8.7	12.5	12.5
65°	5.0	6.2	8.7	12.5	12.5
67.5°	5.0	6.2	8.7	11.2	11.2
70°	5.0	6.2	7.5	10.0	10.0
72.5°	5.0	6.2	7.5	8.7	10.0
75°	3.7	5.0	6.2	7.5	8.7
77.5°	3.7	5.0	5.0	7.5	7.5
80°	3.7	3.7	3.7	5.0	5.0
82.5°	3.7	3.7	2.5	3.7	3.7
85°	3.7	2.5	2.5	2.5	2.5
87.5°	2.5	2.5	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)