

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: P1320394

Luminaire Tested: LDSQA3D20R309840D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320394
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R309840D010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

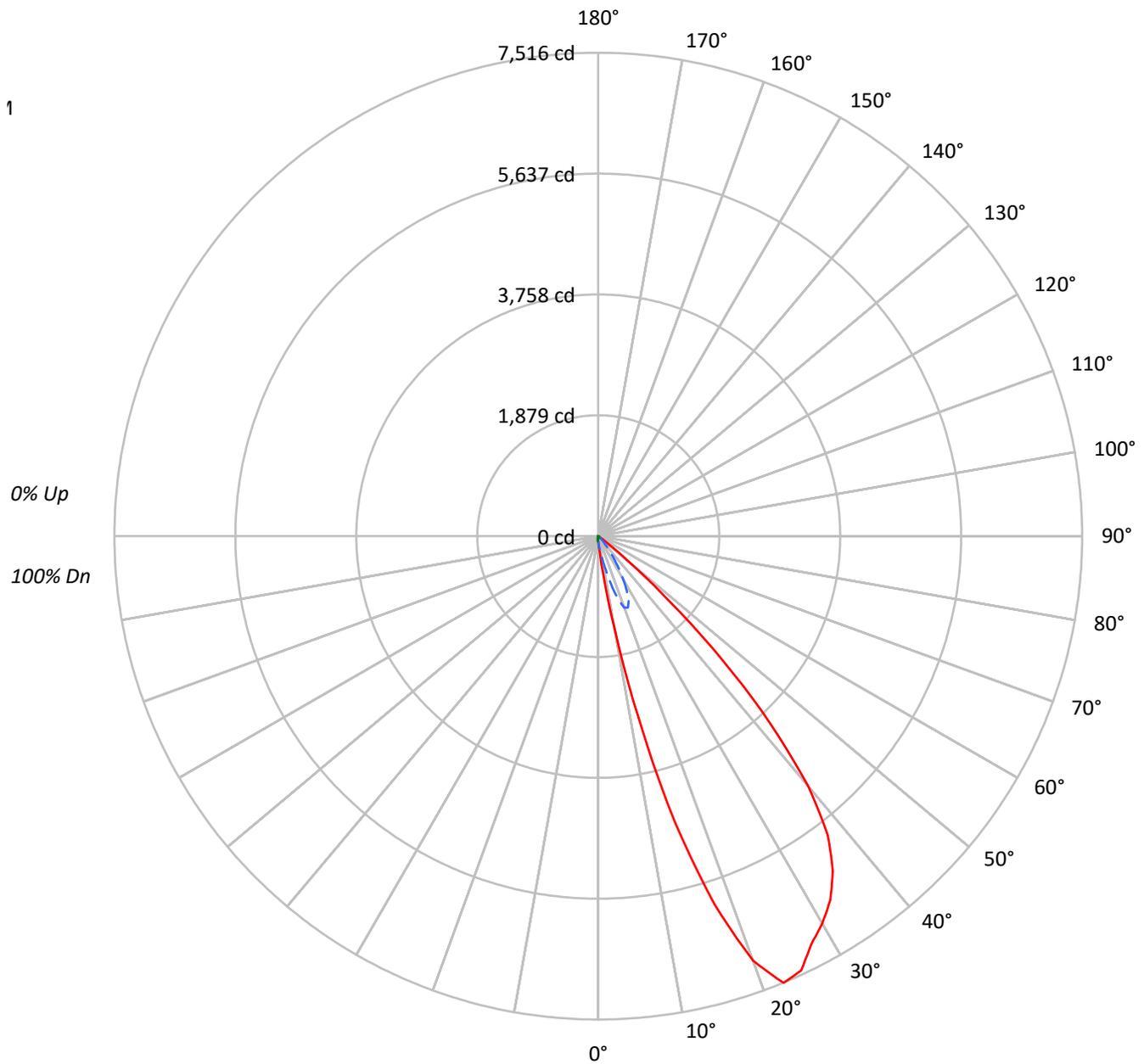
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1772.0 lumens
Efficiency: N/A
Efficacy: 64.7 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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



— 0°-180° - - - 45°-225° - - - 90°-270°



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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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	96	95	93	92
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	83	79	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	76	73	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	71	66	63	61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	65	61	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	60	55	52	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	56	51	47	45
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	52	46	43	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	48	43	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	14501	14501	14501	14501	14501
5°	43670	29113	13709	6155	5031
10°	252858	61732	10755	2833	1976
15°	822506	140017	7506	571	285
20°	1287052	216632	4747	0	0
25°	1416003	211690	2470	0	0
30°	1383011	152629	974	0	0
35°	1334825	86810	336	0	0
40°	1138312	36758	0	0	0
45°	668060	13810	390	0	390
50°	162259	2599	429	429	1313
55°	14112	0	961	1471	1952
60°	551	0	1102	1688	2790
65°	652	652	1997	1997	3301
70°	806	806	2467	2467	3273
75°	0	1065	3261	3261	3261
80°	0	1587	4860	3174	3174
85°	0	3162	9683	3162	3162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 668060 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.5	0.9
10°-20°	243.5	13.7
20°-30°	618.9	34.9
30°-40°	616.9	34.8
40°-50°	249.9	14.1
50°-60°	17.3	1.0
60°-70°	3.9	0.2
70°-80°	3.9	0.2
80°-90°	2.2	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°	877.9	49.5
0°-40°	1494.8	84.4
0°-60°	1761.9	99.4
0°-90°	1772.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1772.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	84	84	84	84	84	
5°	253	168	79	36	29	59
15°	4613	785	42	3	2	1342
25°	7452	1114	13	0	0	3364
35°	6349	413	2	0	0	3892
45°	2743	57	2	0	2	2093
55°	47	0	3	5	6	123
65°	2	2	5	5	8	2
75°	0	2	5	5	5	1
85°	0	2	5	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°	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
2.5°	139.3	140.9	140.9	137.6	136.0	136.0	131.2	129.5	124.7	119.8	103.6
5°	252.6	247.7	241.3	241.3	226.7	218.6	207.3	194.3	184.6	168.4	119.8
7.5°	573.2	534.3	523.0	508.4	453.4	409.7	359.5	315.7	275.3	241.3	132.8
10°	1445.9	1369.8	1306.7	1178.8	1018.5	864.7	722.2	557.0	443.7	353.0	142.5
12.5°	2912.9	2810.9	2689.5	2456.3	2156.8	1773.0	1433.0	1070.3	751.3	519.8	145.7
15°	4613.1	4439.9	4250.4	3954.1	3463.5	2912.9	2299.3	1721.2	1206.3	785.3	142.5
17.5°	5999.1	5931.1	5651.0	5246.2	4645.5	3936.3	3180.1	2389.9	1627.3	1028.2	132.8
20°	7022.5	6975.5	6637.1	6206.4	5529.6	4716.7	3756.5	2807.7	1920.4	1182.0	118.2
22.5°	7516.3	7508.2	7263.7	6823.3	6106.0	5184.7	4127.3	3049.0	2011.0	1203.1	98.8
25°	7451.6	7480.7	7341.5	7014.4	6326.2	5377.4	4237.5	3049.0	1944.7	1114.0	82.6
27.5°	7156.9	7176.3	7088.9	6837.9	6196.7	5238.1	4083.6	2853.0	1752.0	956.9	68.0
30°	6954.5	6962.6	6854.1	6585.3	5905.2	4920.8	3720.9	2490.3	1460.5	767.5	50.2
32.5°	6708.4	6706.7	6580.4	6272.8	5523.1	4475.5	3261.1	2058.0	1122.1	582.9	29.1
35°	6348.9	6308.4	6136.8	5782.2	4953.1	3876.4	2673.3	1567.4	808.0	412.9	17.8
37.5°	5855.0	5749.8	5506.9	5032.5	4153.3	3039.2	1981.9	1101.1	552.1	273.6	11.3
40°	5063.2	4951.5	4621.2	4044.8	3141.3	2187.5	1335.8	717.3	348.1	163.5	6.5
42.5°	3970.3	3894.2	3448.9	2874.1	2074.2	1395.8	803.1	424.2	195.9	93.9	1.6
45°	2742.9	2644.2	2294.4	1807.0	1245.2	774.0	450.1	221.8	111.7	56.7	0.0
47.5°	1514.0	1392.5	1190.1	935.9	626.6	406.4	226.7	119.8	63.1	27.5	0.0
50°	605.6	600.7	477.7	340.0	239.6	184.6	113.3	64.8	32.4	9.7	1.6
52.5°	212.1	212.1	183.0	149.0	116.6	84.2	56.7	30.8	11.3	3.2	1.6
55°	47.0	51.8	48.6	45.3	43.7	37.2	24.3	11.3	3.2	0.0	1.6
57.5°	4.9	4.9	4.9	6.5	8.1	8.1	6.5	3.2	0.0	0.0	1.6
60°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	3.2
62.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	1.6	1.6	3.2
65°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2
67.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2
70°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.9
72.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.9
75°	0.0	0.0	1.6	1.6	0.0	1.6	1.6	1.6	1.6	1.6	4.9
77.5°	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	3.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	3.2
82.5°	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	3.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	3.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	3.2
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°	84.2	84.2	84.2	84.2	84.2
2.5°	84.2	66.4	55.1	48.6	47.0
5°	79.3	50.2	35.6	30.8	29.1
7.5°	71.2	37.2	24.3	19.4	17.8
10°	61.5	27.5	16.2	11.3	11.3
12.5°	51.8	21.0	9.7	4.9	3.2
15°	42.1	13.0	3.2	1.6	1.6
17.5°	32.4	8.1	0.0	0.0	0.0
20°	25.9	3.2	0.0	0.0	0.0
22.5°	19.4	1.6	0.0	0.0	0.0
25°	13.0	0.0	0.0	0.0	0.0
27.5°	8.1	0.0	0.0	0.0	0.0
30°	4.9	0.0	0.0	0.0	0.0
32.5°	1.6	0.0	0.0	0.0	0.0
35°	1.6	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	1.6	0.0	0.0	1.6	1.6
47.5°	1.6	1.6	1.6	3.2	3.2
50°	1.6	1.6	1.6	3.2	4.9
52.5°	3.2	1.6	3.2	4.9	4.9
55°	3.2	3.2	4.9	6.5	6.5
57.5°	3.2	3.2	4.9	6.5	6.5
60°	3.2	3.2	4.9	6.5	8.1
62.5°	4.9	4.9	4.9	6.5	6.5
65°	4.9	4.9	4.9	6.5	8.1
67.5°	4.9	4.9	4.9	6.5	8.1
70°	4.9	4.9	4.9	6.5	6.5
72.5°	6.5	4.9	4.9	6.5	6.5
75°	4.9	4.9	4.9	4.9	4.9
77.5°	4.9	4.9	3.2	4.9	4.9
80°	4.9	3.2	3.2	3.2	3.2
82.5°	4.9	3.2	3.2	3.2	3.2
85°	4.9	3.2	1.6	1.6	1.6
87.5°	4.9	3.2	1.6	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)