

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: P1310661

Luminaire Tested: LDSQA3D20R309035D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310661
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: LDSQA3D20R309035D010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

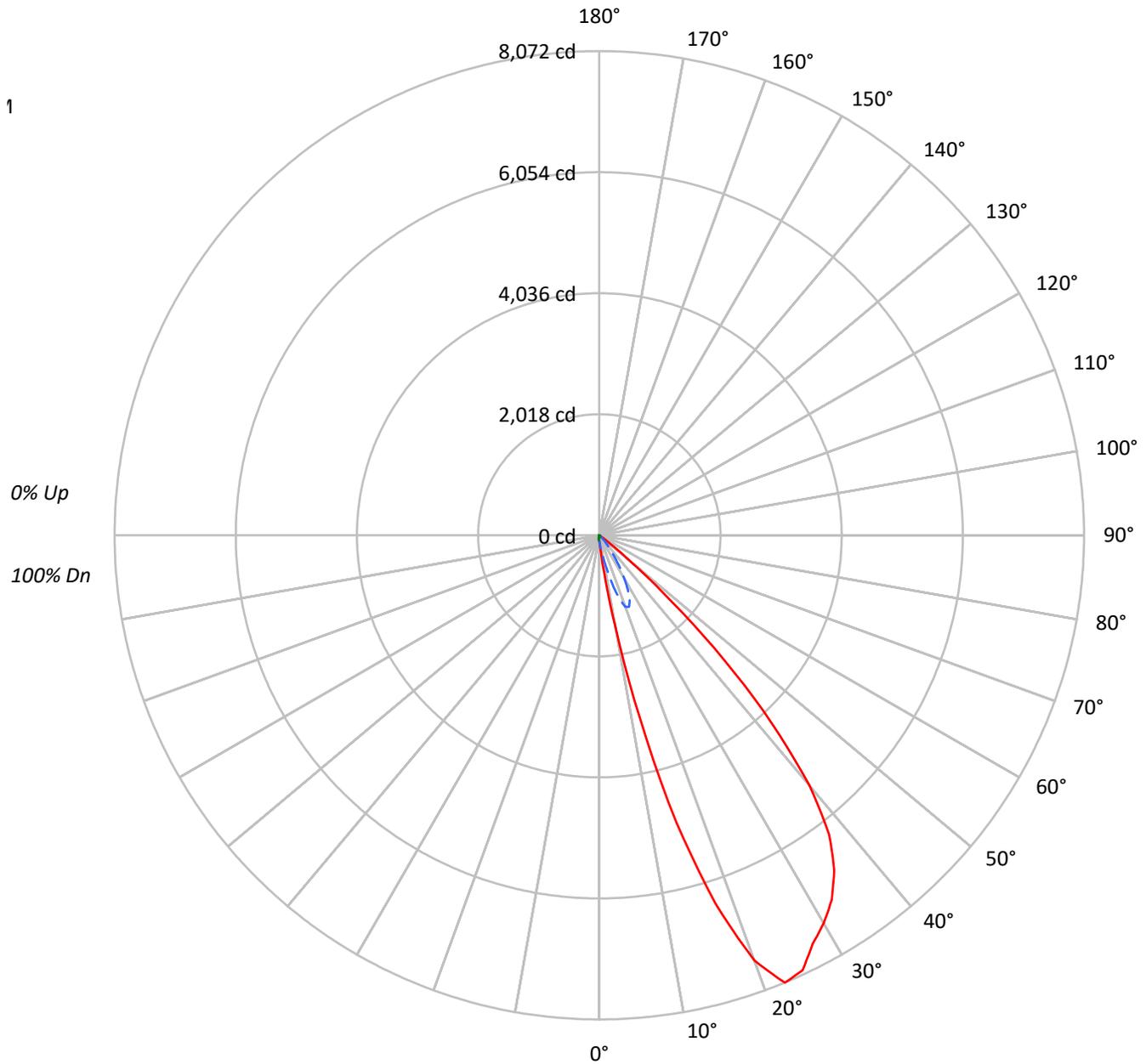
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1903.0 lumens
Efficiency: N/A
Efficacy: 66.1 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): 28.8
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



— 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°	15569	15569	15569	15569	15569
5°	46902	31257	14729	6621	5411
10°	271553	66297	11560	3043	2134
15°	883306	150377	8059	624	303
20°	1382191	232650	5095	0	0
25°	1520669	227348	2641	0	0
30°	1485247	163905	1034	0	0
35°	1433514	93223	357	0	0
40°	1222485	39479	0	0	0
45°	717453	14833	414	0	414
50°	174262	2786	455	455	1393
55°	15133	0	1051	1561	2102
60°	586	0	1206	1791	2997
65°	693	693	2119	2119	3545
70°	856	856	2618	2618	3525
75°	0	1131	3460	3460	3460
80°	0	1686	5157	3471	3471
85°	0	3359	10275	3359	3359

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 717453 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.6	0.9
10°-20°	261.6	13.7
20°-30°	664.7	34.9
30°-40°	662.5	34.8
40°-50°	268.4	14.1
50°-60°	18.5	1.0
60°-70°	4.2	0.2
70°-80°	4.2	0.2
80°-90°	2.4	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°	942.8	49.5
0°-40°	1605.3	84.4
0°-60°	1892.2	99.4
0°-90°	1903.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1903.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	90	90	90	90	90	
5°	271	181	85	38	31	63
15°	4954	843	45	4	2	1442
25°	8002	1196	14	0	0	3613
35°	6818	443	2	0	0	4179
45°	2946	61	2	0	2	2247
55°	50	0	4	5	7	132
65°	2	2	5	5	9	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°	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
2.5°	149.5	151.3	151.3	147.8	146.1	146.1	140.9	139.1	133.9	128.7	111.3
5°	271.3	266.1	259.1	259.1	243.4	234.8	222.6	208.7	198.2	180.8	128.7
7.5°	615.6	573.8	561.7	546.0	486.9	439.9	386.0	339.1	295.6	259.1	142.6
10°	1552.8	1471.1	1403.3	1265.9	1093.8	928.6	775.6	598.2	476.5	379.1	153.0
12.5°	3128.3	3018.7	2888.3	2637.9	2316.2	1904.1	1538.9	1149.4	806.9	558.2	156.5
15°	4954.1	4768.1	4564.6	4246.4	3719.5	3128.3	2469.2	1848.5	1295.5	843.4	153.0
17.5°	6442.6	6369.6	6068.8	5634.1	4988.9	4227.3	3415.2	2566.6	1747.6	1104.2	142.6
20°	7541.6	7491.2	7127.8	6665.2	5938.4	5065.4	4034.3	3015.3	2062.3	1269.4	126.9
22.5°	8072.0	8063.3	7800.7	7327.8	6557.4	5568.0	4432.5	3274.4	2159.7	1292.0	106.1
25°	8002.4	8033.7	7884.2	7532.9	6793.9	5774.9	4550.7	3274.4	2088.4	1196.4	88.7
27.5°	7686.0	7706.8	7612.9	7343.4	6654.8	5625.4	4385.5	3064.0	1881.5	1027.7	73.0
30°	7468.6	7477.3	7360.8	7072.1	6341.8	5284.5	3996.0	2674.4	1568.5	824.2	53.9
32.5°	7204.3	7202.5	7066.9	6736.5	5931.4	4806.3	3502.2	2210.1	1205.1	626.0	31.3
35°	6818.3	6774.8	6590.5	6209.6	5319.3	4162.9	2870.9	1683.3	867.7	443.4	19.1
37.5°	6287.9	6174.9	5914.0	5404.5	4460.3	3263.9	2128.4	1182.5	593.0	293.9	12.2
40°	5437.6	5317.6	4962.8	4343.8	3373.5	2349.3	1434.6	770.3	373.9	175.6	7.0
42.5°	4263.8	4182.1	3703.9	3086.6	2227.5	1498.9	862.5	455.6	210.4	100.9	1.7
45°	2945.7	2839.6	2464.0	1940.6	1337.2	831.2	483.4	238.2	120.0	60.9	0.0
47.5°	1625.9	1495.5	1278.1	1005.1	673.0	436.5	243.4	128.7	67.8	29.6	0.0
50°	650.4	645.1	513.0	365.2	257.4	198.2	121.7	69.6	34.8	10.4	1.7
52.5°	227.8	227.8	196.5	160.0	125.2	90.4	60.9	33.0	12.2	3.5	1.7
55°	50.4	55.6	52.2	48.7	47.0	40.0	26.1	12.2	3.5	0.0	1.7
57.5°	5.2	5.2	5.2	7.0	8.7	8.7	7.0	3.5	0.0	0.0	1.7
60°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	3.5
62.5°	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0	1.7	1.7	3.5
65°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.5
67.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.5
70°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	5.2
72.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	5.2
75°	0.0	0.0	1.7	1.7	0.0	1.7	1.7	1.7	1.7	1.7	5.2
77.5°	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	3.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	3.5
82.5°	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7	1.7	1.7	3.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	3.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	3.5
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°	90.4	90.4	90.4	90.4	90.4
2.5°	90.4	71.3	59.1	52.2	50.4
5°	85.2	53.9	38.3	33.0	31.3
7.5°	76.5	40.0	26.1	20.9	19.1
10°	66.1	29.6	17.4	12.2	12.2
12.5°	55.6	22.6	10.4	5.2	3.5
15°	45.2	13.9	3.5	1.7	1.7
17.5°	34.8	8.7	0.0	0.0	0.0
20°	27.8	3.5	0.0	0.0	0.0
22.5°	20.9	1.7	0.0	0.0	0.0
25°	13.9	0.0	0.0	0.0	0.0
27.5°	8.7	0.0	0.0	0.0	0.0
30°	5.2	0.0	0.0	0.0	0.0
32.5°	1.7	0.0	0.0	0.0	0.0
35°	1.7	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°	1.7	0.0	0.0	1.7	1.7
47.5°	1.7	1.7	1.7	3.5	3.5
50°	1.7	1.7	1.7	3.5	5.2
52.5°	3.5	1.7	3.5	5.2	5.2
55°	3.5	3.5	5.2	7.0	7.0
57.5°	3.5	3.5	5.2	7.0	7.0
60°	3.5	3.5	5.2	7.0	8.7
62.5°	5.2	5.2	5.2	7.0	7.0
65°	5.2	5.2	5.2	7.0	8.7
67.5°	5.2	5.2	5.2	7.0	8.7
70°	5.2	5.2	5.2	7.0	7.0
72.5°	7.0	5.2	5.2	7.0	7.0
75°	5.2	5.2	5.2	5.2	5.2
77.5°	5.2	5.2	3.5	5.2	5.2
80°	5.2	3.5	3.5	3.5	3.5
82.5°	5.2	3.5	3.5	3.5	3.5
85°	5.2	3.5	1.7	1.7	1.7
87.5°	5.2	3.5	1.7	1.7	1.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)