

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: P1319518

Luminaire Tested: LDSQA3D20R309835D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319518
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: LDSQA3D20R309835D010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

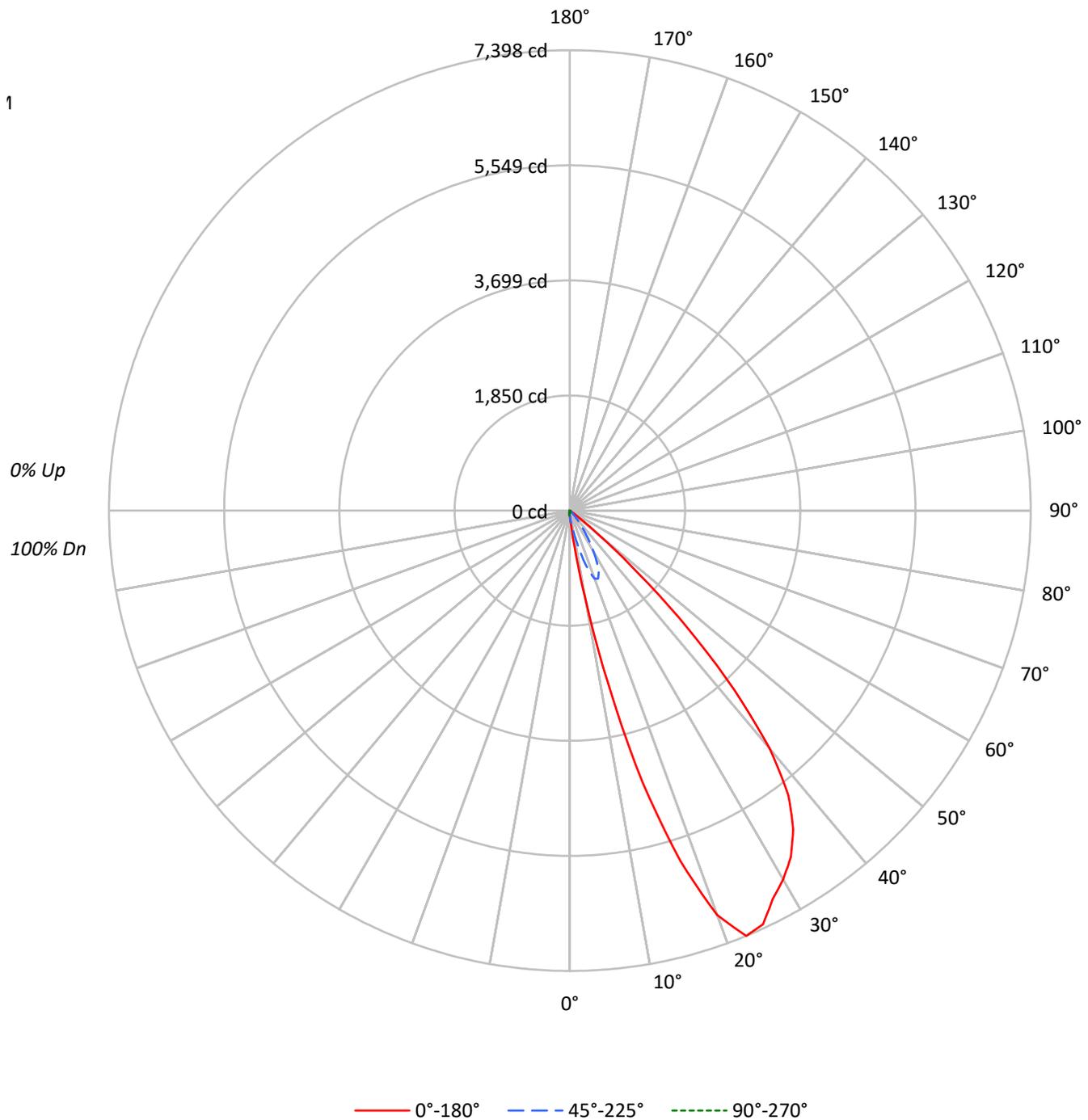
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1744.1 lumens
Efficiency: N/A
Efficacy: 63.7 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

TEST NUMBER: P1319518
CATALOG NUMBER: LDSQA3D20R309835D010 3LSQCA30R 1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1319518

CATALOG NUMBER: LDSQA3D20R309835D010 3LSQCA30R 1MW

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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83
3	99	92	86	81	97	90	85	81	87	83	79	85	81	78	83	79	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	14277	14277	14277	14277	14277
5°	42978	28646	13502	6068	4962
10°	248871	60753	10598	2781	1959
15°	809509	137807	7382	571	285
20°	1266709	213204	4674	0	0
25°	1393618	208345	2413	0	0
30°	1361155	150223	955	0	0
35°	1313737	85444	336	0	0
40°	1120326	36196	0	0	0
45°	657513	13591	390	0	390
50°	159687	2572	429	429	1286
55°	13872	0	961	1441	1922
60°	551	0	1102	1653	2756
65°	652	652	1956	1956	3260
70°	806	806	2417	2417	3223
75°	0	1065	3194	3194	3194
80°	0	1587	4761	3174	3174
85°	0	3162	9485	3162	3162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 657513 cd/sqm



TEST NUMBER: P1319518

CATALOG NUMBER: LDSQA3D20R309835D010 3LSQCA30R 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.2	0.9
10°-20°	239.7	13.7
20°-30°	609.1	34.9
30°-40°	607.1	34.8
40°-50°	246.0	14.1
50°-60°	17.0	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°	864.0	49.5
0°-40°	1471.2	84.4
0°-60°	1734.1	99.4
0°-90°	1744.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1744.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	83	83	83	83	83	
5°	249	166	78	35	29	58
15°	4540	773	41	3	2	1321
25°	7334	1096	13	0	0	3311
35°	6249	406	2	0	0	3830
45°	2700	56	2	0	2	2060
55°	46	0	3	5	6	121
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	



TEST NUMBER: P1319518
 CATALOG NUMBER: LDSQA3D20R309835D010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
2.5°	137.1	138.6	138.6	135.5	133.9	133.9	129.1	127.5	122.7	117.9	102.0
5°	248.6	243.8	237.4	237.4	223.1	215.1	204.0	191.2	181.7	165.7	117.9
7.5°	564.1	525.9	514.7	500.4	446.2	403.2	353.8	310.8	270.9	237.4	130.7
10°	1423.1	1348.2	1286.0	1160.2	1002.4	851.0	710.8	548.2	436.7	347.4	140.2
12.5°	2866.9	2766.5	2647.0	2417.5	2122.7	1745.0	1410.4	1053.4	739.4	511.6	143.4
15°	4540.2	4369.7	4183.2	3891.6	3408.7	2866.9	2262.9	1694.0	1187.2	772.9	140.2
17.5°	5904.3	5837.4	5561.7	5163.3	4572.1	3874.1	3129.9	2352.2	1601.6	1011.9	130.7
20°	6911.5	6865.3	6532.2	6108.3	5442.2	4642.2	3697.2	2763.3	1890.0	1163.3	116.3
22.5°	7397.6	7389.6	7149.0	6715.5	6009.5	5102.8	4062.1	3000.8	1979.3	1184.1	97.2
25°	7333.8	7362.5	7225.5	6903.5	6226.3	5292.4	4170.5	3000.8	1913.9	1096.4	81.3
27.5°	7043.8	7062.9	6976.9	6729.8	6098.8	5155.3	4019.1	2808.0	1724.3	941.8	66.9
30°	6844.6	6852.6	6745.8	6481.2	5811.9	4843.0	3662.1	2451.0	1437.4	755.4	49.4
32.5°	6602.4	6600.8	6476.5	6173.7	5435.8	4404.8	3209.5	2025.5	1104.4	573.7	28.7
35°	6248.6	6208.7	6039.8	5690.8	4874.9	3815.1	2631.1	1542.6	795.2	406.4	17.5
37.5°	5762.5	5658.9	5419.9	4953.0	4087.6	2991.2	1950.6	1083.7	543.4	269.3	11.2
40°	4983.2	4873.3	4548.2	3980.9	3091.6	2153.0	1314.7	706.0	342.6	161.0	6.4
42.5°	3907.5	3832.6	3394.4	2828.7	2041.4	1373.7	790.4	417.5	192.8	92.4	1.6
45°	2699.6	2602.4	2258.2	1778.5	1225.5	761.7	443.0	218.3	110.0	55.8	0.0
47.5°	1490.0	1370.5	1171.3	921.1	616.7	400.0	223.1	117.9	62.2	27.1	0.0
50°	596.0	591.2	470.1	334.7	235.9	181.7	111.6	63.7	31.9	9.6	1.6
52.5°	208.8	208.8	180.1	146.6	114.7	82.9	55.8	30.3	11.2	3.2	1.6
55°	46.2	51.0	47.8	44.6	43.0	36.7	23.9	11.2	3.2	0.0	1.6
57.5°	4.8	4.8	4.8	6.4	8.0	8.0	6.4	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	4.8
72.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.8
75°	0.0	0.0	1.6	1.6	0.0	1.6	1.6	1.6	1.6	1.6	4.8
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



TEST NUMBER: P1319518
 CATALOG NUMBER: LDSQA3D20R309835D010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	82.9	82.9	82.9	82.9	82.9
2.5°	82.9	65.3	54.2	47.8	46.2
5°	78.1	49.4	35.1	30.3	28.7
7.5°	70.1	36.7	23.9	19.1	17.5
10°	60.6	27.1	15.9	11.2	11.2
12.5°	51.0	20.7	9.6	4.8	3.2
15°	41.4	12.7	3.2	1.6	1.6
17.5°	31.9	8.0	0.0	0.0	0.0
20°	25.5	3.2	0.0	0.0	0.0
22.5°	19.1	1.6	0.0	0.0	0.0
25°	12.7	0.0	0.0	0.0	0.0
27.5°	8.0	0.0	0.0	0.0	0.0
30°	4.8	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	4.8
52.5°	3.2	1.6	3.2	4.8	4.8
55°	3.2	3.2	4.8	6.4	6.4
57.5°	3.2	3.2	4.8	6.4	6.4
60°	3.2	3.2	4.8	6.4	8.0
62.5°	4.8	4.8	4.8	6.4	6.4
65°	4.8	4.8	4.8	6.4	8.0
67.5°	4.8	4.8	4.8	6.4	8.0
70°	4.8	4.8	4.8	6.4	6.4
72.5°	6.4	4.8	4.8	6.4	6.4
75°	4.8	4.8	4.8	4.8	4.8
77.5°	4.8	4.8	3.2	4.8	4.8
80°	4.8	3.2	3.2	3.2	3.2
82.5°	4.8	3.2	3.2	3.2	3.2
85°	4.8	3.2	1.6	1.6	1.6
87.5°	4.8	3.2	1.6	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)