

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: P1314946

Luminaire Tested: LDSQA3D20R309730D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314946
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: LDSQA3D20R309730D010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

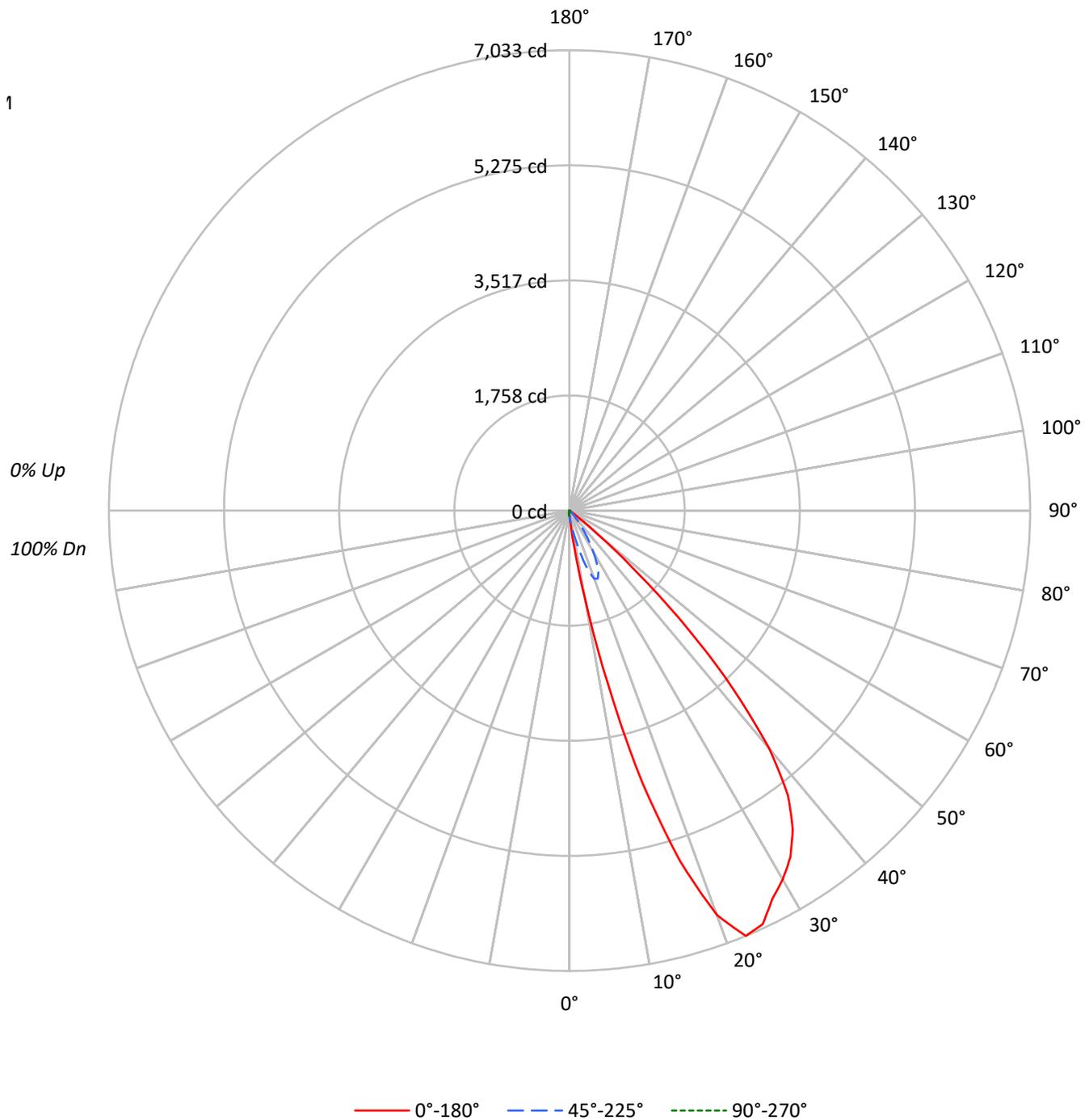
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1657.9 lumens
Efficiency: N/A
Efficacy: 57.6 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 (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





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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°	13571	13571	13571	13571	13571
5°	40852	27246	12828	5757	4720
10°	236594	57763	10073	2658	1854
15°	769588	131013	7025	535	267
20°	1204248	202703	4435	0	0
25°	1324904	198065	2299	0	0
30°	1294038	142805	895	0	0
35°	1248940	81218	315	0	0
40°	1065088	34398	0	0	0
45°	625096	12909	365	0	365
50°	151810	2438	402	402	1206
55°	13181	0	901	1351	1832
60°	517	0	1033	1550	2618
65°	611	611	1834	1834	3097
70°	755	755	2266	2266	3072
75°	0	998	2994	2994	2994
80°	0	1488	4463	2975	2975
85°	0	2964	8892	2964	2964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 625096 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.5	0.9
10°-20°	227.9	13.7
20°-30°	579.1	34.9
30°-40°	577.2	34.8
40°-50°	233.8	14.1
50°-60°	16.1	1.0
60°-70°	3.6	0.2
70°-80°	3.6	0.2
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°	821.4	49.5
0°-40°	1398.6	84.4
0°-60°	1648.6	99.4
0°-90°	1657.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1657.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	79	79	79	79	79	
5°	236	158	74	33	27	55
15°	4316	735	39	3	2	1256
25°	6972	1042	12	0	0	3148
35°	5940	386	2	0	0	3641
45°	2566	53	2	0	2	1958
55°	44	0	3	4	6	115
65°	2	2	4	4	8	1
75°	0	2	4	4	4	1
85°	0	2	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°	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
2.5°	130.3	131.8	131.8	128.8	127.3	127.3	122.7	121.2	116.7	112.1	97.0
5°	236.3	231.8	225.7	225.7	212.1	204.5	193.9	181.8	172.7	157.6	112.1
7.5°	536.3	500.0	489.4	475.7	424.2	383.3	336.3	295.4	257.6	225.7	124.2
10°	1352.9	1281.7	1222.6	1102.9	953.0	809.0	675.7	521.2	415.1	330.3	133.3
12.5°	2725.5	2630.1	2516.5	2298.3	2018.0	1659.0	1340.8	1001.4	703.0	486.3	136.4
15°	4316.3	4154.2	3977.0	3699.7	3240.7	2725.5	2151.3	1610.5	1128.7	734.8	133.3
17.5°	5613.2	5549.6	5287.5	4908.7	4346.6	3683.0	2975.5	2236.2	1522.6	962.0	124.2
20°	6570.7	6526.8	6210.1	5807.1	5173.8	4413.3	3514.9	2627.1	1796.8	1106.0	110.6
22.5°	7032.8	7025.2	6796.4	6384.3	5713.2	4851.1	3861.8	2852.8	1881.7	1125.7	92.4
25°	6972.2	6999.4	6869.2	6563.1	5919.2	5031.4	3964.8	2852.8	1819.6	1042.3	77.3
27.5°	6696.4	6714.6	6632.8	6398.0	5798.0	4901.1	3820.9	2669.5	1639.3	895.4	63.6
30°	6507.1	6514.6	6413.1	6161.6	5525.3	4604.2	3481.5	2330.1	1366.6	718.1	47.0
32.5°	6276.8	6275.3	6157.1	5869.2	5167.8	4187.5	3051.3	1925.6	1049.9	545.4	27.3
35°	5940.4	5902.6	5742.0	5410.2	4634.5	3627.0	2501.3	1466.6	756.0	386.3	16.7
37.5°	5478.4	5379.9	5152.6	4708.7	3886.1	2843.7	1854.4	1030.2	516.6	256.0	10.6
40°	4737.5	4633.0	4323.9	3784.6	2939.2	2046.8	1249.9	671.2	325.7	153.0	6.1
42.5°	3714.9	3643.7	3227.0	2689.2	1940.8	1306.0	751.5	396.9	183.3	87.9	1.5
45°	2566.5	2474.0	2146.8	1690.8	1165.1	724.2	421.2	207.6	104.5	53.0	0.0
47.5°	1416.6	1302.9	1113.5	875.7	586.3	380.3	212.1	112.1	59.1	25.8	0.0
50°	566.6	562.1	446.9	318.2	224.2	172.7	106.1	60.6	30.3	9.1	1.5
52.5°	198.5	198.5	171.2	139.4	109.1	78.8	53.0	28.8	10.6	3.0	1.5
55°	43.9	48.5	45.5	42.4	40.9	34.8	22.7	10.6	3.0	0.0	1.5
57.5°	4.5	4.5	4.5	6.1	7.6	7.6	6.1	3.0	0.0	0.0	1.5
60°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	3.0
62.5°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	1.5	1.5	3.0
65°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0
67.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0
70°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	4.5
72.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	4.5
75°	0.0	0.0	1.5	1.5	0.0	1.5	1.5	1.5	1.5	1.5	4.5
77.5°	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	3.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	3.0
82.5°	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5	3.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	3.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	3.0
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°	78.8	78.8	78.8	78.8	78.8
2.5°	78.8	62.1	51.5	45.5	43.9
5°	74.2	47.0	33.3	28.8	27.3
7.5°	66.7	34.8	22.7	18.2	16.7
10°	57.6	25.8	15.2	10.6	10.6
12.5°	48.5	19.7	9.1	4.5	3.0
15°	39.4	12.1	3.0	1.5	1.5
17.5°	30.3	7.6	0.0	0.0	0.0
20°	24.2	3.0	0.0	0.0	0.0
22.5°	18.2	1.5	0.0	0.0	0.0
25°	12.1	0.0	0.0	0.0	0.0
27.5°	7.6	0.0	0.0	0.0	0.0
30°	4.5	0.0	0.0	0.0	0.0
32.5°	1.5	0.0	0.0	0.0	0.0
35°	1.5	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°	1.5	0.0	0.0	1.5	1.5
47.5°	1.5	1.5	1.5	3.0	3.0
50°	1.5	1.5	1.5	3.0	4.5
52.5°	3.0	1.5	3.0	4.5	4.5
55°	3.0	3.0	4.5	6.1	6.1
57.5°	3.0	3.0	4.5	6.1	6.1
60°	3.0	3.0	4.5	6.1	7.6
62.5°	4.5	4.5	4.5	6.1	6.1
65°	4.5	4.5	4.5	6.1	7.6
67.5°	4.5	4.5	4.5	6.1	7.6
70°	4.5	4.5	4.5	6.1	6.1
72.5°	6.1	4.5	4.5	6.1	6.1
75°	4.5	4.5	4.5	4.5	4.5
77.5°	4.5	4.5	3.0	4.5	4.5
80°	4.5	3.0	3.0	3.0	3.0
82.5°	4.5	3.0	3.0	3.0	3.0
85°	4.5	3.0	1.5	1.5	1.5
87.5°	4.5	3.0	1.5	1.5	1.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)