

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: P1312710

Luminaire Tested: LDSQA3D17R309050DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312710
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: LDSQA3D17R309050DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

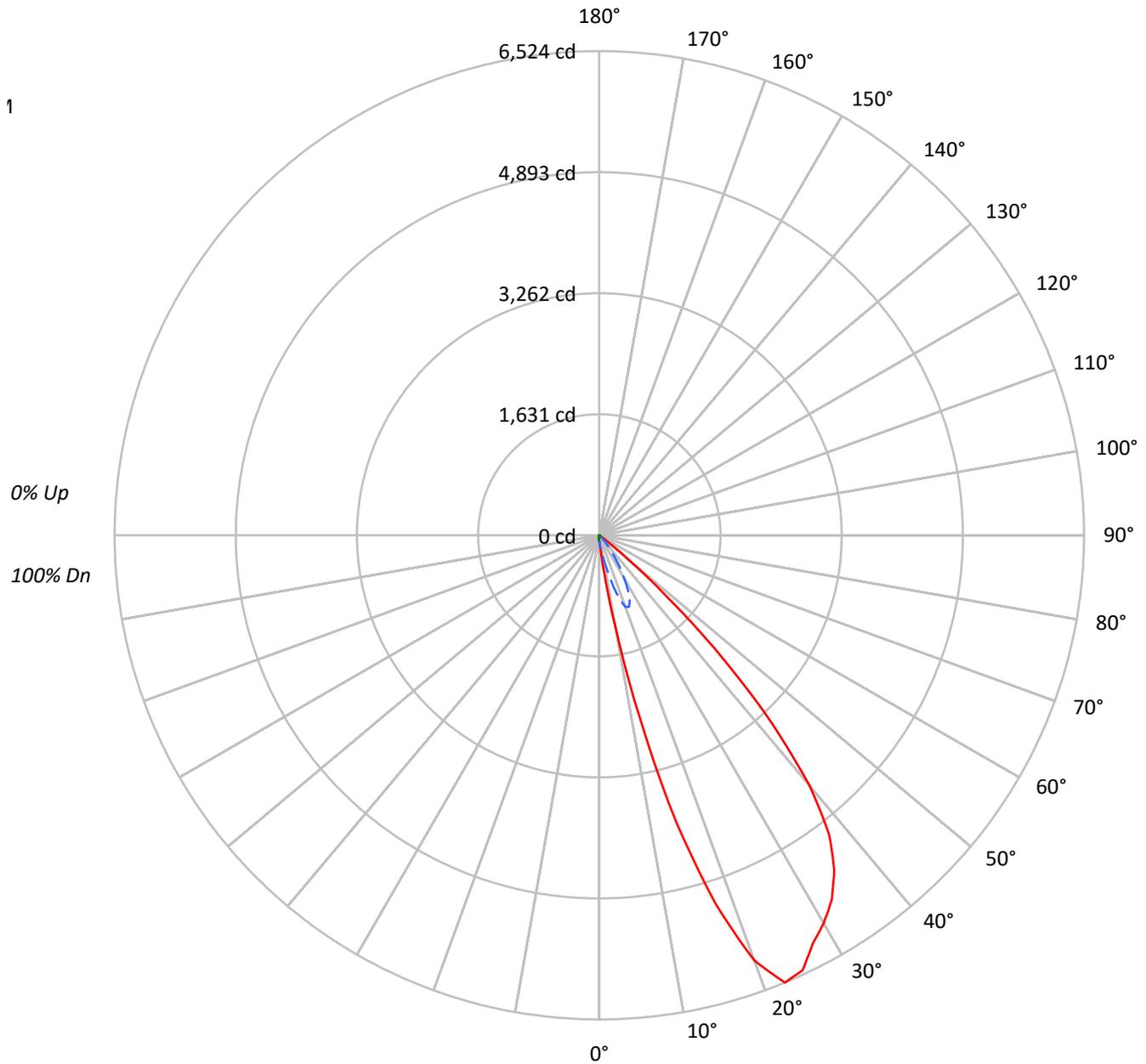
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1538.0 lumens
Efficiency: N/A
Efficacy: 72.5 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): 21.2
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	100			100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92			92
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	83			83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75			75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68			68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61			61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55			55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50			50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45			45
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	41			41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37			37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	12589	12589	12589	12589	12589
5°	37895	25275	11911	5342	4374
10°	219474	53583	9339	2466	1714
15°	713887	121528	6508	499	250
20°	1117083	188022	4124	0	0
25°	1229016	183737	2128	0	0
30°	1200373	132484	835	0	0
35°	1158555	75352	294	0	0
40°	987997	31902	0	0	0
45°	579842	11983	341	0	341
50°	140824	2251	375	375	1125
55°	12251	0	841	1261	1681
60°	482	0	964	1447	2411
65°	571	571	1712	1712	2853
70°	705	705	2115	2115	2820
75°	0	932	2795	2795	2795
80°	0	1389	4166	2777	2777
85°	0	2766	8299	2766	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 579842 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.4	0.9
10°-20°	211.4	13.7
20°-30°	537.2	34.9
30°-40°	535.4	34.8
40°-50°	216.9	14.1
50°-60°	15.0	1.0
60°-70°	3.4	0.2
70°-80°	3.4	0.2
80°-90°	1.9	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°	762.0	49.5
0°-40°	1297.4	84.4
0°-60°	1529.3	99.4
0°-90°	1538.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1538.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	73	73	73	73	73	
5°	219	146	69	31	25	51
15°	4004	682	36	3	1	1165
25°	6468	967	11	0	0	2920
35°	5510	358	1	0	0	3378
45°	2381	49	1	0	1	1816
55°	41	0	3	4	6	107
65°	1	1	4	4	7	1
75°	0	1	4	4	4	1
85°	0	1	4	1	1	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°	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
2.5°	120.9	122.3	122.3	119.5	118.1	118.1	113.8	112.4	108.2	104.0	89.9
5°	219.2	215.0	209.4	209.4	196.8	189.7	179.9	168.6	160.2	146.2	104.0
7.5°	497.5	463.8	453.9	441.3	393.5	355.6	312.0	274.0	238.9	209.4	115.2
10°	1255.0	1189.0	1134.1	1023.1	884.0	750.5	626.8	483.5	385.1	306.4	123.7
12.5°	2528.3	2439.7	2334.3	2132.0	1872.0	1538.9	1243.8	929.0	652.1	451.1	126.5
15°	4003.9	3853.6	3689.1	3431.9	3006.1	2528.3	1995.6	1493.9	1047.0	681.6	123.7
17.5°	5206.9	5147.9	4904.8	4553.4	4032.0	3416.5	2760.2	2074.3	1412.4	892.4	115.2
20°	6095.1	6054.4	5760.7	5386.8	4799.4	4093.9	3260.5	2436.9	1666.8	1025.9	102.6
22.5°	6523.8	6516.7	6304.5	5922.3	5299.7	4500.0	3582.3	2646.3	1745.5	1044.2	85.7
25°	6467.6	6492.9	6372.0	6088.1	5490.8	4667.3	3677.9	2646.3	1687.9	966.9	71.7
27.5°	6211.8	6228.6	6152.8	5934.9	5378.4	4546.4	3544.4	2476.3	1520.6	830.6	59.0
30°	6036.1	6043.1	5949.0	5715.7	5125.4	4270.9	3229.6	2161.5	1267.7	666.2	43.6
32.5°	5822.5	5821.1	5711.5	5444.4	4793.8	3884.5	2830.4	1786.2	973.9	505.9	25.3
35°	5510.5	5475.4	5326.4	5018.6	4299.1	3364.5	2320.3	1360.4	701.3	358.4	15.5
37.5°	5081.9	4990.5	4779.7	4367.9	3604.8	2637.9	1720.2	955.7	479.2	237.5	9.8
40°	4394.6	4297.7	4011.0	3510.6	2726.4	1898.7	1159.4	622.6	302.2	141.9	5.6
42.5°	3446.0	3379.9	2993.5	2494.5	1800.3	1211.4	697.1	368.2	170.1	81.5	1.4
45°	2380.7	2295.0	1991.4	1568.4	1080.7	671.8	390.7	192.5	97.0	49.2	0.0
47.5°	1314.0	1208.6	1033.0	812.3	543.9	352.8	196.8	104.0	54.8	23.9	0.0
50°	525.6	521.4	414.6	295.1	208.0	160.2	98.4	56.2	28.1	8.4	1.4
52.5°	184.1	184.1	158.8	129.3	101.2	73.1	49.2	26.7	9.8	2.8	1.4
55°	40.8	45.0	42.2	39.4	37.9	32.3	21.1	9.8	2.8	0.0	1.4
57.5°	4.2	4.2	4.2	5.6	7.0	7.0	5.6	2.8	0.0	0.0	1.4
60°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	2.8
62.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	1.4	1.4	2.8
65°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8
67.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8
70°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.2
72.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.2
75°	0.0	0.0	1.4	1.4	0.0	1.4	1.4	1.4	1.4	1.4	4.2
77.5°	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	2.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	2.8
82.5°	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	2.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	2.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	2.8
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°	73.1	73.1	73.1	73.1	73.1
2.5°	73.1	57.6	47.8	42.2	40.8
5°	68.9	43.6	30.9	26.7	25.3
7.5°	61.8	32.3	21.1	16.9	15.5
10°	53.4	23.9	14.1	9.8	9.8
12.5°	45.0	18.3	8.4	4.2	2.8
15°	36.5	11.2	2.8	1.4	1.4
17.5°	28.1	7.0	0.0	0.0	0.0
20°	22.5	2.8	0.0	0.0	0.0
22.5°	16.9	1.4	0.0	0.0	0.0
25°	11.2	0.0	0.0	0.0	0.0
27.5°	7.0	0.0	0.0	0.0	0.0
30°	4.2	0.0	0.0	0.0	0.0
32.5°	1.4	0.0	0.0	0.0	0.0
35°	1.4	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°	1.4	0.0	0.0	1.4	1.4
47.5°	1.4	1.4	1.4	2.8	2.8
50°	1.4	1.4	1.4	2.8	4.2
52.5°	2.8	1.4	2.8	4.2	4.2
55°	2.8	2.8	4.2	5.6	5.6
57.5°	2.8	2.8	4.2	5.6	5.6
60°	2.8	2.8	4.2	5.6	7.0
62.5°	4.2	4.2	4.2	5.6	5.6
65°	4.2	4.2	4.2	5.6	7.0
67.5°	4.2	4.2	4.2	5.6	7.0
70°	4.2	4.2	4.2	5.6	5.6
72.5°	5.6	4.2	4.2	5.6	5.6
75°	4.2	4.2	4.2	4.2	4.2
77.5°	4.2	4.2	2.8	4.2	4.2
80°	4.2	2.8	2.8	2.8	2.8
82.5°	4.2	2.8	2.8	2.8	2.8
85°	4.2	2.8	1.4	1.4	1.4
87.5°	4.2	2.8	1.4	1.4	1.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)