

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: P1312708

Luminaire Tested: LDSQA3D17R309050DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312708
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R309050DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

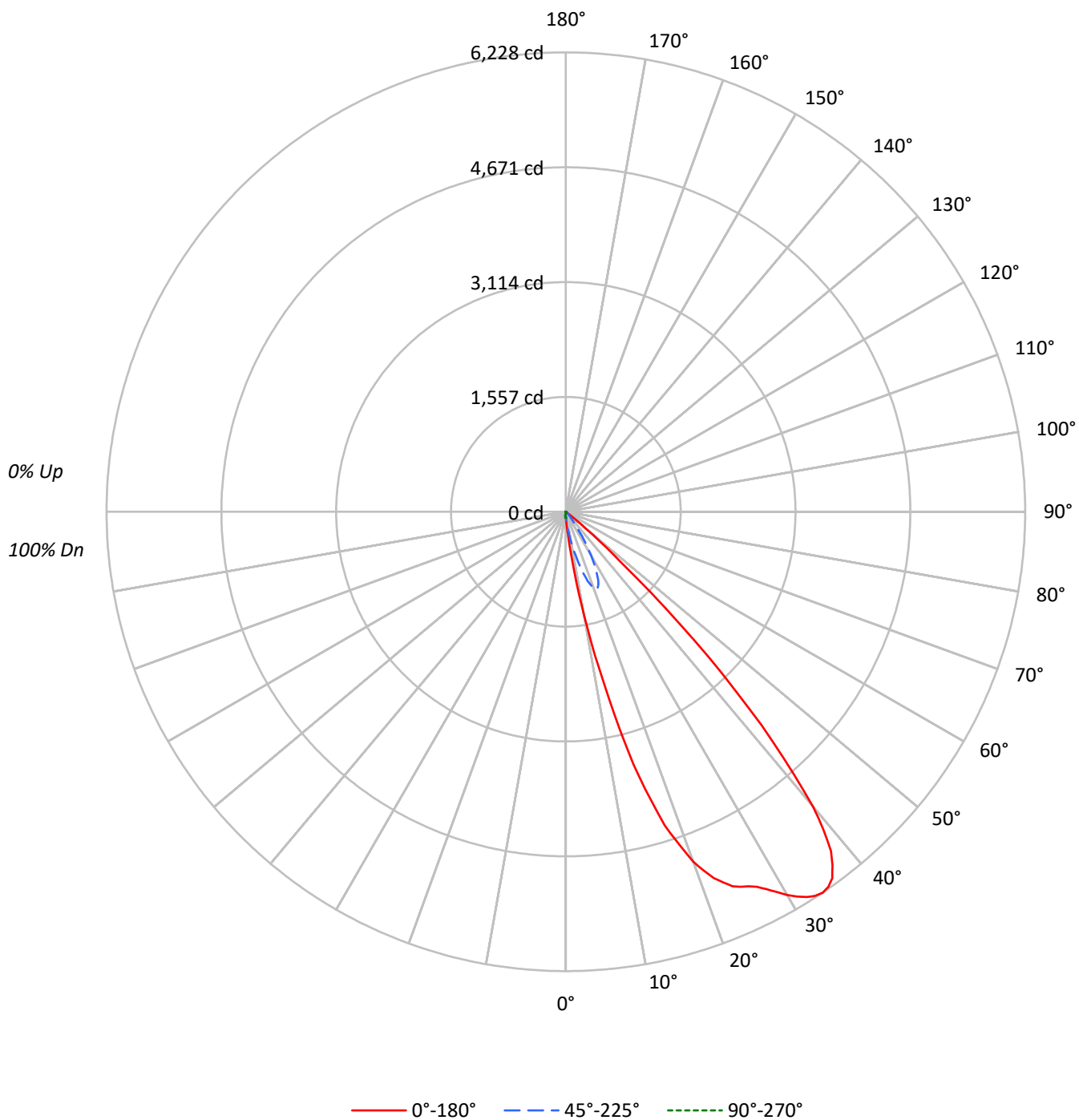
Lumens per Lamp: N/A
Luminaire Lumens: 1499.0 lumens
Efficiency: N/A
Efficacy: 70.7 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	70	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	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	13812	13812	13812	13812	13812
5°	50101	31136	12638	5100	3648
10°	247979	74534	9846	979	0
15°	632566	141961	6276	0	0
20°	924277	201878	2584	0	0
25°	1066316	198084	532	0	0
30°	1193412	135964	0	0	0
35°	1305180	58553	0	0	0
40°	1171428	22774	0	0	0
45°	598231	9255	0	0	0
50°	92329	1125	0	0	0
55°	5495	0	420	0	0
60°	0	0	482	0	0
65°	0	0	1141	0	0
70°	0	705	1410	0	0
75°	0	932	2795	0	0
80°	0	1389	4166	0	0
85°	0	2766	8299	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 598231 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.7	1.1
10°-20°	199.7	13.3
20°-30°	493.6	32.9
30°-40°	567.6	37.9
40°-50°	210.6	14.0
50°-60°	7.7	0.5
60°-70°	0.7	0.0
70°-80°	1.2	0.1
80°-90°	1.1	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°	710.0	47.4
0°-40°	1277.7	85.2
0°-60°	1495.9	99.8
0°-90°	1499.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1499.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	80	80	80	80	80	
5°	290	180	73	30	21	63
15°	3548	796	35	0	0	1020
25°	5611	1042	3	0	0	2593
35°	6208	278	0	0	0	3764
45°	2456	38	0	0	0	1913
55°	18	0	1	0	0	63
65°	0	0	3	0	0	0
75°	0	1	4	0	0	0
85°	0	1	4	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
2.5°	142.1	143.5	143.5	139.3	137.9	136.5	132.2	119.6	99.9	80.2	64.7
5°	289.8	291.2	291.2	282.8	265.9	249.0	234.9	180.1	115.4	73.1	47.8
7.5°	683.7	685.1	655.5	621.8	554.3	519.1	454.4	277.1	130.8	66.1	30.9
10°	1418.0	1387.0	1309.7	1211.2	1107.1	972.1	835.6	426.2	142.1	56.3	19.7
12.5°	2370.3	2340.8	2240.9	2100.2	1896.3	1631.8	1373.0	599.3	143.5	45.0	11.3
15°	3547.8	3464.8	3345.2	3111.7	2810.6	2401.3	1973.6	796.2	137.9	35.2	2.8
17.5°	4460.7	4384.8	4232.8	3959.9	3585.8	3131.4	2606.7	983.3	122.4	22.5	0.0
20°	5043.1	4962.9	4820.9	4580.3	4182.2	3649.1	3048.4	1101.5	101.3	14.1	0.0
21°	5209.1	5131.8	4992.5	4753.3	4356.6	3824.9	3156.7	1126.8	91.4	11.3	0.0
22°	5355.4	5294.9	5165.5	4905.3	4501.5	3954.3	3266.4	1129.6	84.4	8.4	0.0
23°	5458.1	5414.5	5285.1	5045.9	4643.6	4059.8	3325.5	1112.7	76.0	5.6	0.0
24°	5556.6	5503.1	5392.0	5169.7	4756.2	4148.4	3379.0	1081.8	67.5	4.2	0.0
25°	5611.4	5549.5	5463.7	5255.5	4849.0	4204.7	3411.3	1042.4	59.1	2.8	0.0
26°	5649.4	5601.6	5507.3	5306.2	4888.4	4241.3	3415.5	984.7	53.5	1.4	0.0
27°	5707.1	5659.3	5567.8	5351.2	4905.3	4235.7	3390.2	918.6	46.4	0.0	0.0
28°	5794.3	5731.0	5639.6	5399.0	4912.3	4211.7	3333.9	846.9	39.4	0.0	0.0
29°	5894.2	5829.5	5729.6	5462.3	4913.7	4163.9	3245.3	768.1	35.2	0.0	0.0
30°	6001.1	5944.8	5843.6	5524.2	4929.2	4102.0	3142.6	683.7	28.1	0.0	0.0
31°	6085.5	6034.9	5926.6	5580.5	4941.8	4048.6	3016.0	599.3	23.9	0.0	0.0
32°	6158.7	6113.6	5980.0	5593.2	4916.5	3972.6	2881.0	517.7	19.7	0.0	0.0
33°	6209.3	6153.0	5996.9	5560.8	4843.4	3847.4	2730.5	440.3	15.5	0.0	0.0
34°	6227.6	6160.1	5971.6	5476.4	4695.7	3657.5	2534.9	360.1	12.7	0.0	0.0
35°	6207.9	6124.9	5880.1	5331.5	4495.9	3431.0	2300.0	278.5	9.8	0.0	0.0
36°	6144.6	6039.1	5749.3	5124.7	4210.3	3163.7	2065.1	216.6	7.0	0.0	0.0
37°	6008.1	5891.4	5525.6	4851.8	3927.6	2857.1	1797.8	168.8	4.2	0.0	0.0
38°	5840.7	5671.9	5227.4	4507.2	3561.8	2512.4	1533.3	139.3	2.8	0.0	0.0
39°	5555.2	5369.5	4872.9	4110.5	3203.1	2184.7	1275.9	121.0	1.4	0.0	0.0
40°	5210.5	4989.7	4467.8	3685.6	2779.7	1841.4	1064.9	101.3	1.4	0.0	0.0
42.5°	3930.4	3743.3	3182.0	2506.8	1699.3	1086.0	590.8	66.1	0.0	0.0	0.0
45°	2456.2	2260.6	1880.8	1374.4	920.0	562.7	284.2	38.0	0.0	0.0	0.0
47.5°	1003.0	920.0	756.8	582.4	416.4	264.5	118.2	16.9	0.0	0.0	0.0
50°	344.6	306.7	257.4	188.5	133.6	91.4	61.9	4.2	0.0	0.0	0.0
52.5°	99.9	101.3	88.6	76.0	59.1	42.2	30.9	0.0	0.0	0.0	0.0
55°	18.3	15.5	18.3	16.9	18.3	15.5	11.3	0.0	0.0	1.4	0.0
57.5°	0.0	0.0	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	1.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	2.8	1.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	2.8	1.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	4.2	1.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	4.2	1.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	4.2	1.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	4.2	1.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	4.2	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	4.2	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	4.2	1.4
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):

	135°	157.5°	180°
0°	80.2	80.2	80.2
2.5°	52.0	46.4	43.6
5°	29.5	22.5	21.1
7.5°	15.5	9.8	8.4
10°	5.6	1.4	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.0	0.0	0.0
85°	0.0	0.0	0.0
87.5°	0.0	0.0	0.0
90°	0.0	0.0	0.0

(END OF REPORT)