

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: P1315415

Luminaire Tested: LDSQA3D09R209735DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315415
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-60)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R209735DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

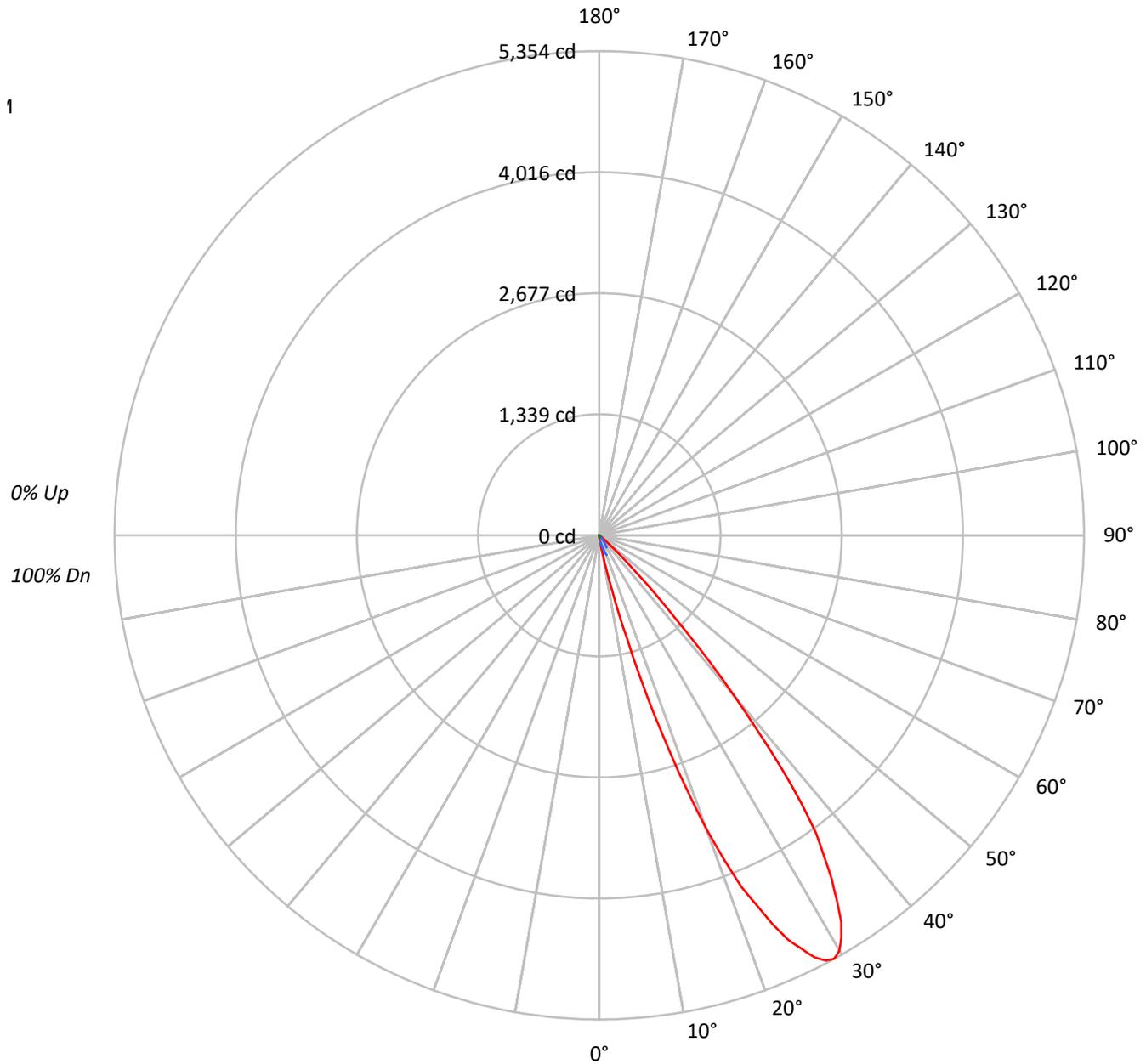
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 751.0 lumens
Efficiency: N/A
Efficacy: 67.7 lumens/watt
Spacing Criteria (0/90/45): 2.29 / 0.53 / 1.19
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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				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	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83				83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75				75
4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	68				68
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	61				61
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	55				55
7	76	65	58	53	74	64	57	53	63	57	52	62	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	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41				41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37				37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4461	4461	4461	4461	4461
5°	10252	7659	4236	2593	2230
10°	32283	13343	3463	1434	1067
15°	209197	24659	2550	481	125
20°	631347	42208	1741	0	0
25°	937630	42604	1045	0	0
30°	1054405	32375	398	0	0
35°	909772	19343	294	0	0
40°	523877	6587	0	0	0
45°	127771	2655	170	0	170
50°	15326	723	188	188	536
55°	2042	0	420	420	811
60°	241	0	689	689	1171
65°	285	285	1100	1100	1671
70°	352	352	1360	1360	1712
75°	0	466	1797	1331	1797
80°	0	694	1984	1389	1984
85°	0	1383	3952	1383	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 2.5°
 Vertical Angle: 45°
 Luminance: 128599 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.5	0.5
10°-20°	69.6	9.3
20°-30°	303.4	40.4
30°-40°	305.5	40.7
40°-50°	61.3	8.2
50°-60°	3.1	0.4
60°-70°	2.0	0.3
70°-80°	1.8	0.2
80°-90°	0.9	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°	376.4	50.1
0°-40°	681.9	90.8
0°-60°	746.3	99.4
0°-90°	751.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	751.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	26	26	26	26	26	
5°	59	44	24	15	13	9
15°	1173	138	14	3	1	460
25°	4934	224	6	0	0	2225
35°	4327	92	1	0	0	2575
45°	525	11	1	0	1	571
55°	7	0	1	1	3	13
65°	1	1	3	3	4	1
75°	0	1	3	2	3	0
85°	0	1	2	1	1	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
0°	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9
2.5°	38.8	38.8	38.2	38.2	37.5	38.2	36.8	37.5	37.5	36.8	33.4
5°	59.3	60.6	60.0	60.0	59.3	60.0	58.6	57.2	55.9	55.9	44.3
7.5°	97.4	96.7	95.4	96.1	94.0	92.7	91.3	90.6	86.5	84.5	57.9
10°	184.6	188.7	185.3	184.6	172.4	171.7	163.5	151.9	141.7	136.3	76.3
12.5°	508.3	530.1	496.0	479.7	470.1	433.3	417.7	377.5	338.6	309.3	96.7
15°	1173.3	1227.1	1158.3	1163.0	1105.8	1000.9	908.9	829.9	736.5	642.5	138.3
17.5°	2298.8	2255.2	2217.7	2154.4	2037.9	1883.9	1685.6	1484.6	1310.9	1129.0	192.8
20°	3444.8	3406.0	3320.8	3182.5	3034.0	2805.7	2570.0	2268.2	1975.9	1702.0	230.3
21°	3839.3	3826.4	3686.7	3601.5	3372.6	3154.6	2882.7	2559.8	2230.7	1906.4	236.4
22°	4191.6	4113.9	4039.0	3912.9	3685.3	3448.2	3145.7	2805.7	2448.7	2088.3	237.1
23°	4435.5	4400.1	4329.2	4186.8	3960.6	3681.9	3363.1	3007.4	2631.3	2217.1	235.1
24°	4705.3	4660.3	4556.8	4390.5	4162.3	3887.0	3523.2	3170.3	2761.5	2325.4	229.6
25°	4934.2	4864.1	4741.4	4562.2	4312.9	4028.7	3662.9	3275.2	2852.1	2398.3	224.2
26°	5082.8	5044.6	4887.2	4692.4	4425.3	4132.3	3758.9	3355.6	2910.7	2431.7	215.3
27°	5237.4	5167.2	5012.6	4788.4	4498.9	4199.7	3813.4	3394.4	2931.1	2433.0	204.4
28°	5326.0	5249.7	5074.6	4838.8	4546.5	4237.2	3844.8	3406.7	2927.0	2411.9	191.5
29°	5353.9	5257.9	5086.8	4847.0	4558.1	4239.9	3840.0	3389.0	2890.9	2360.1	176.5
30°	5302.1	5204.0	5041.9	4808.2	4521.3	4205.9	3795.7	3330.4	2826.9	2285.9	162.8
31°	5189.0	5105.9	4949.2	4714.8	4439.6	4126.2	3695.6	3234.3	2717.8	2186.4	147.2
32°	5039.8	4958.1	4804.1	4592.2	4312.2	3996.0	3558.6	3084.4	2589.8	2037.9	131.5
33°	4815.7	4768.7	4630.4	4428.0	4148.0	3810.0	3374.7	2905.2	2407.2	1873.0	117.9
34°	4588.8	4529.5	4432.8	4211.3	3910.2	3572.9	3134.8	2657.9	2184.4	1688.3	104.9
35°	4327.2	4291.7	4139.8	3962.6	3660.1	3315.4	2880.0	2417.4	1924.8	1482.6	92.0
36°	4073.7	4019.2	3846.1	3658.8	3365.1	2992.4	2562.5	2127.8	1700.6	1289.8	78.4
37°	3705.8	3622.7	3499.3	3301.7	2958.4	2640.9	2248.4	1845.1	1424.7	1081.3	63.4
38°	3273.1	3234.3	3063.3	2864.3	2580.2	2279.1	1890.7	1548.7	1175.3	902.8	48.4
39°	2762.8	2762.1	2598.6	2454.8	2176.9	1905.7	1555.5	1257.1	970.2	727.0	37.5
40°	2330.2	2249.8	2148.9	1968.4	1755.1	1524.8	1218.2	983.8	752.9	585.9	29.3
42.5°	1221.6	1214.8	1155.5	1020.0	900.7	765.1	608.4	506.9	396.5	323.0	18.4
45°	524.6	528.0	487.2	466.7	420.4	363.8	307.3	256.2	219.4	177.8	10.9
47.5°	132.9	127.4	126.0	130.8	130.8	126.7	113.8	107.0	98.8	90.6	6.1
50°	57.2	55.9	54.5	54.5	51.1	49.1	45.6	41.6	38.2	34.1	2.7
52.5°	21.1	21.8	22.5	21.8	21.8	21.1	21.1	20.4	18.4	16.4	1.4
55°	6.8	6.8	6.8	7.5	7.5	8.2	8.2	8.2	8.2	7.5	0.0
57.5°	1.4	1.4	2.0	2.0	2.0	2.0	2.0	2.0	2.7	2.7	0.0
60°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0
62.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
65°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
67.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
70°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
72.5°	0.7	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
75°	0.0	0.0	0.0	0.7	0.0	0.7	0.7	0.0	0.7	0.7	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7



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CANDELA DISTRIBUTION (continued):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	45°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
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: P1315415

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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	25.9	25.9	25.9	25.9	25.9	25.9
2.5°	30.0	26.6	22.5	19.1	18.4	17.7
5°	33.4	24.5	18.4	15.0	13.6	12.9
7.5°	36.1	22.5	15.0	10.9	9.5	8.9
10°	37.5	19.8	12.3	8.2	6.1	6.1
12.5°	38.2	17.0	8.9	5.5	3.4	3.4
15°	37.5	14.3	6.8	2.7	0.7	0.7
17.5°	34.1	11.6	4.1	0.7	0.0	0.0
20°	29.3	9.5	2.7	0.0	0.0	0.0
21°	27.9	8.2	2.0	0.0	0.0	0.0
22°	25.9	7.5	1.4	0.0	0.0	0.0
23°	23.8	6.8	1.4	0.0	0.0	0.0
24°	21.8	6.1	0.7	0.0	0.0	0.0
25°	20.4	5.5	0.7	0.0	0.0	0.0
26°	19.1	4.8	0.7	0.0	0.0	0.0
27°	17.0	4.1	0.0	0.0	0.0	0.0
28°	15.7	3.4	0.0	0.0	0.0	0.0
29°	13.6	2.7	0.0	0.0	0.0	0.0
30°	11.6	2.0	0.0	0.0	0.0	0.0
31°	9.5	2.0	0.0	0.0	0.0	0.0
32°	8.2	1.4	0.0	0.0	0.0	0.0
33°	6.8	1.4	0.0	0.0	0.0	0.0
34°	6.1	1.4	0.0	0.0	0.0	0.0
35°	5.5	1.4	0.0	0.0	0.0	0.0
36°	4.1	0.7	0.0	0.0	0.0	0.0
37°	3.4	0.7	0.0	0.0	0.0	0.0
38°	2.7	0.7	0.0	0.0	0.0	0.0
39°	2.0	0.0	0.0	0.0	0.0	0.0
40°	2.0	0.0	0.0	0.0	0.0	0.0
42.5°	0.7	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.7	0.0	0.0	0.7	0.7
47.5°	0.0	0.7	0.0	0.0	0.7	1.4
50°	0.0	0.7	0.7	0.7	1.4	2.0
52.5°	0.0	1.4	0.7	0.7	2.0	2.0
55°	0.7	1.4	0.7	1.4	2.7	2.7
57.5°	0.7	1.4	1.4	2.0	2.7	3.4
60°	1.4	2.0	2.0	2.0	3.4	3.4
62.5°	1.4	2.0	2.7	2.7	3.4	4.1
65°	1.4	2.7	2.7	2.7	3.4	4.1
67.5°	2.0	2.7	2.7	2.7	3.4	4.1
70°	2.0	2.7	2.7	2.7	3.4	3.4
72.5°	2.0	2.7	2.0	2.7	2.7	3.4
75°	2.0	2.7	2.0	2.0	2.7	2.7
77.5°	1.4	2.0	2.0	1.4	2.0	2.0
80°	1.4	2.0	1.4	1.4	2.0	2.0



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	1.4	2.0	1.4	0.7	1.4	1.4
85°	1.4	2.0	1.4	0.7	0.7	0.7
87.5°	1.4	2.0	1.4	0.7	0.0	0.7
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)