

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: P1310467

Luminaire Tested: LDSQA3D17R159035DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310467
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-59)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R159035DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

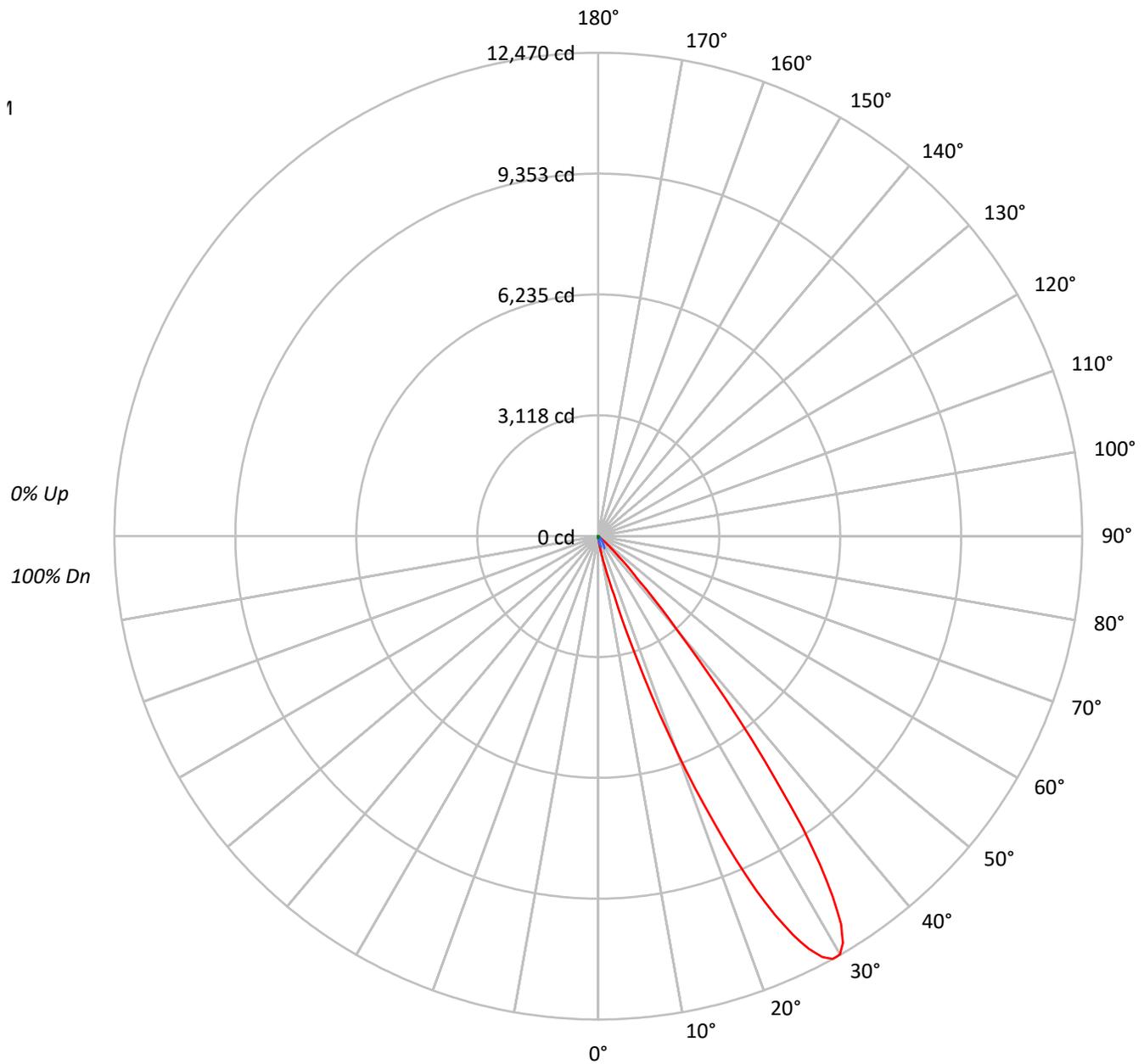
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1361.9 lumens
Efficiency: N/A
Efficacy: 64.2 lumens/watt
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26
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 (A_{in}): 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	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	96	92	104	99	94	91	95	92	89	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	80	77	83	80	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	77	73	70	68
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63	71	66	63	61
6	81	71	64	59	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	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	51	46	42	41
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	47	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	7750	7750	7750	7750	7750
5°	16718	12361	7330	3890	3198
10°	74149	23399	5789	1626	1154
15°	280391	54096	4012	713	464
20°	1078356	76243	2419	238	238
25°	2050616	71507	1254	0	0
30°	2477189	57691	517	0	0
35°	1932026	39274	273	0	0
40°	705038	19357	292	0	292
45°	181038	5797	317	0	633
50°	30517	697	348	348	1072
55°	3963	0	781	1201	1982
60°	448	448	1378	1826	2721
65°	530	530	2160	2690	3219
70°	655	655	2669	2669	3323
75°	865	865	3527	2662	3527
80°	0	1289	3967	2579	3967
85°	0	2569	7904	2569	2569

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 181038 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.2	0.5
10°-20°	104.3	7.7
20°-30°	578.9	42.5
30°-40°	559.2	41.1
40°-50°	97.3	7.1
50°-60°	7.0	0.5
60°-70°	4.1	0.3
70°-80°	3.3	0.2
80°-90°	1.7	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°	689.4	50.6
0°-40°	1248.6	91.7
0°-60°	1352.8	99.3
0°-90°	1361.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1361.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	45	45	45	45	45	
5°	97	72	42	22	18	19
15°	1573	303	22	4	3	701
25°	10791	376	7	0	0	4825
35°	9189	187	1	0	0	5285
45°	743	24	1	0	3	798
55°	13	0	3	4	7	26
65°	1	1	5	7	8	1
75°	1	1	5	4	5	1
85°	0	1	4	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°	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
2.5°	66.2	63.6	64.9	64.9	64.9	64.9	64.9	62.3	62.3	63.6	57.0
5°	96.7	96.7	95.4	96.7	96.7	95.4	92.7	91.4	91.4	88.8	71.5
7.5°	193.4	190.8	190.8	188.1	174.9	170.9	168.3	161.6	149.7	147.1	92.7
10°	424.0	425.3	416.0	404.1	402.8	382.9	376.3	364.3	341.8	319.3	133.8
12.5°	769.8	752.5	730.0	731.3	692.9	679.7	649.2	616.1	581.6	545.9	219.9
15°	1572.6	1523.6	1552.8	1481.2	1400.4	1309.0	1216.2	1099.7	1000.3	894.3	303.4
17.5°	3312.2	3359.9	3279.1	2973.0	2784.9	2563.6	2252.3	1951.6	1694.5	1487.8	371.0
20°	5883.8	5954.0	5679.8	5413.5	4956.4	4458.2	3938.9	3350.6	2787.6	2300.0	416.0
21°	6958.3	6915.9	6803.3	6376.7	5849.4	5271.7	4635.8	3986.6	3304.3	2671.0	420.0
22°	7997.0	8016.9	7754.5	7308.1	6759.6	6119.6	5343.3	4541.7	3806.4	2973.0	413.4
23°	9031.7	9095.3	8748.2	8329.5	7639.3	6917.2	6018.9	5153.8	4244.9	3318.8	400.1
24°	9989.6	9945.9	9711.4	9184.1	8446.1	7600.9	6668.1	5618.8	4605.3	3614.3	389.5
25°	10791.2	10785.9	10417.6	9904.8	9060.9	8124.2	7096.1	5999.1	4914.0	3814.3	376.3
26°	11447.0	11339.7	11049.5	10424.2	9590.8	8602.5	7447.2	6276.0	5087.6	3915.0	363.0
27°	11953.1	11876.3	11486.7	10836.2	9965.8	8872.7	7672.4	6413.8	5167.0	3948.2	345.8
28°	12293.6	12210.1	11795.4	11125.0	10172.5	9042.3	7791.6	6472.1	5167.0	3916.4	329.9
29°	12469.8	12355.9	11942.5	11224.4	10220.2	9062.2	7762.5	6415.1	5086.2	3818.3	311.3
30°	12456.6	12314.8	11881.6	11134.3	10078.4	8899.2	7599.5	6209.7	4903.4	3672.6	290.1
31°	12241.9	12082.9	11599.4	10829.6	9785.6	8591.9	7292.2	5934.2	4653.0	3483.1	269.0
32°	11806.0	11604.7	11133.0	10365.9	9335.1	8132.1	6845.7	5508.9	4278.0	3206.2	246.4
33°	11095.9	10893.2	10387.1	9667.7	8725.7	7549.2	6253.5	5051.8	3851.4	2876.3	227.9
34°	10206.9	10021.4	9585.5	8860.8	7957.3	6811.2	5572.5	4419.8	3408.9	2549.1	208.0
35°	9189.4	8893.9	8499.1	7925.5	7044.4	5891.8	4837.1	3831.6	2953.2	2205.9	186.8
36°	7812.8	7865.8	7447.2	6745.0	6015.0	5111.4	4099.2	3194.3	2469.6	1880.0	168.3
37°	6592.6	6509.2	6242.9	5699.6	5063.7	4166.8	3435.4	2708.1	2077.4	1589.9	148.4
38°	5318.1	5336.6	5075.6	4658.3	4027.6	3426.1	2765.0	2224.5	1738.2	1352.7	129.8
39°	4162.8	4148.2	4078.0	3691.1	3120.1	2725.3	2240.4	1844.2	1448.1	1140.7	110.0
40°	3136.0	3159.8	2995.6	2762.4	2429.8	2105.2	1784.6	1470.6	1197.7	961.9	86.1
42.5°	1524.9	1562.0	1453.4	1393.8	1246.7	1119.5	944.6	771.1	655.8	567.1	38.4
45°	743.3	722.1	712.8	683.6	649.2	580.3	514.1	441.2	385.5	332.5	23.8
47.5°	380.2	369.6	369.6	357.7	345.8	323.3	290.1	266.3	239.8	206.7	9.3
50°	113.9	112.6	111.3	112.6	108.6	112.6	115.3	116.6	106.0	104.7	2.6
52.5°	45.0	46.4	45.0	49.0	49.0	47.7	49.0	47.7	46.4	41.1	0.0
55°	13.2	13.2	13.2	13.2	13.2	13.2	14.6	15.9	14.6	15.9	0.0
57.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0
60°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	1.3
62.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
65°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
67.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
70°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
72.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
75°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3



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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	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
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):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	45.0	45.0	45.0	45.0	45.0	45.0
2.5°	53.0	46.4	38.4	31.8	29.1	27.8
5°	57.0	42.4	29.1	22.5	19.9	18.5
7.5°	60.9	38.4	22.5	15.9	11.9	10.6
10°	63.6	33.1	17.2	9.3	6.6	6.6
12.5°	63.6	26.5	11.9	5.3	4.0	4.0
15°	62.3	22.5	7.9	4.0	2.6	2.6
17.5°	60.9	17.2	5.3	2.6	1.3	2.6
20°	57.0	13.2	2.6	1.3	1.3	1.3
21°	55.6	11.9	2.6	1.3	1.3	1.3
22°	53.0	10.6	1.3	0.0	1.3	1.3
23°	50.3	7.9	1.3	0.0	0.0	0.0
24°	46.4	6.6	1.3	0.0	0.0	0.0
25°	43.7	6.6	1.3	0.0	0.0	0.0
26°	41.1	4.0	0.0	0.0	0.0	0.0
27°	37.1	2.6	0.0	0.0	0.0	0.0
28°	34.4	2.6	0.0	0.0	0.0	0.0
29°	30.5	2.6	0.0	0.0	0.0	0.0
30°	26.5	2.6	0.0	0.0	0.0	0.0
31°	21.2	1.3	0.0	0.0	0.0	0.0
32°	17.2	1.3	0.0	0.0	0.0	0.0
33°	11.9	1.3	0.0	0.0	0.0	0.0
34°	7.9	1.3	0.0	0.0	0.0	0.0
35°	6.6	1.3	0.0	0.0	0.0	0.0
36°	4.0	1.3	0.0	0.0	0.0	1.3
37°	4.0	1.3	0.0	0.0	0.0	1.3
38°	2.6	1.3	0.0	0.0	0.0	1.3
39°	1.3	1.3	0.0	0.0	0.0	1.3
40°	1.3	1.3	0.0	0.0	0.0	1.3
42.5°	0.0	1.3	0.0	0.0	1.3	2.6
45°	0.0	1.3	0.0	0.0	1.3	2.6
47.5°	0.0	1.3	0.0	0.0	2.6	2.6
50°	0.0	1.3	1.3	1.3	2.6	4.0
52.5°	0.0	2.6	1.3	2.6	4.0	5.3
55°	1.3	2.6	2.6	4.0	5.3	6.6
57.5°	1.3	4.0	4.0	5.3	6.6	6.6
60°	2.6	4.0	5.3	5.3	7.9	7.9
62.5°	2.6	5.3	5.3	5.3	7.9	7.9
65°	2.6	5.3	5.3	6.6	7.9	7.9
67.5°	2.6	5.3	5.3	5.3	6.6	7.9
70°	2.6	5.3	4.0	5.3	6.6	6.6
72.5°	2.6	5.3	4.0	4.0	5.3	6.6
75°	2.6	5.3	4.0	4.0	5.3	5.3
77.5°	2.6	4.0	4.0	2.6	4.0	4.0
80°	2.6	4.0	2.6	2.6	4.0	4.0



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	2.6	4.0	2.6	1.3	2.6	2.6
85°	2.6	4.0	2.6	1.3	1.3	1.3
87.5°	2.6	4.0	1.3	0.0	0.0	1.3
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)