

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: P1323913

Luminaire Tested: LDSQA3D13R359030D2WDE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323913
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R359030D2WDE010 3LSQCA30R 1MB
Description: 3in Adjustable Dim to Warm LED luminaire with, R35 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

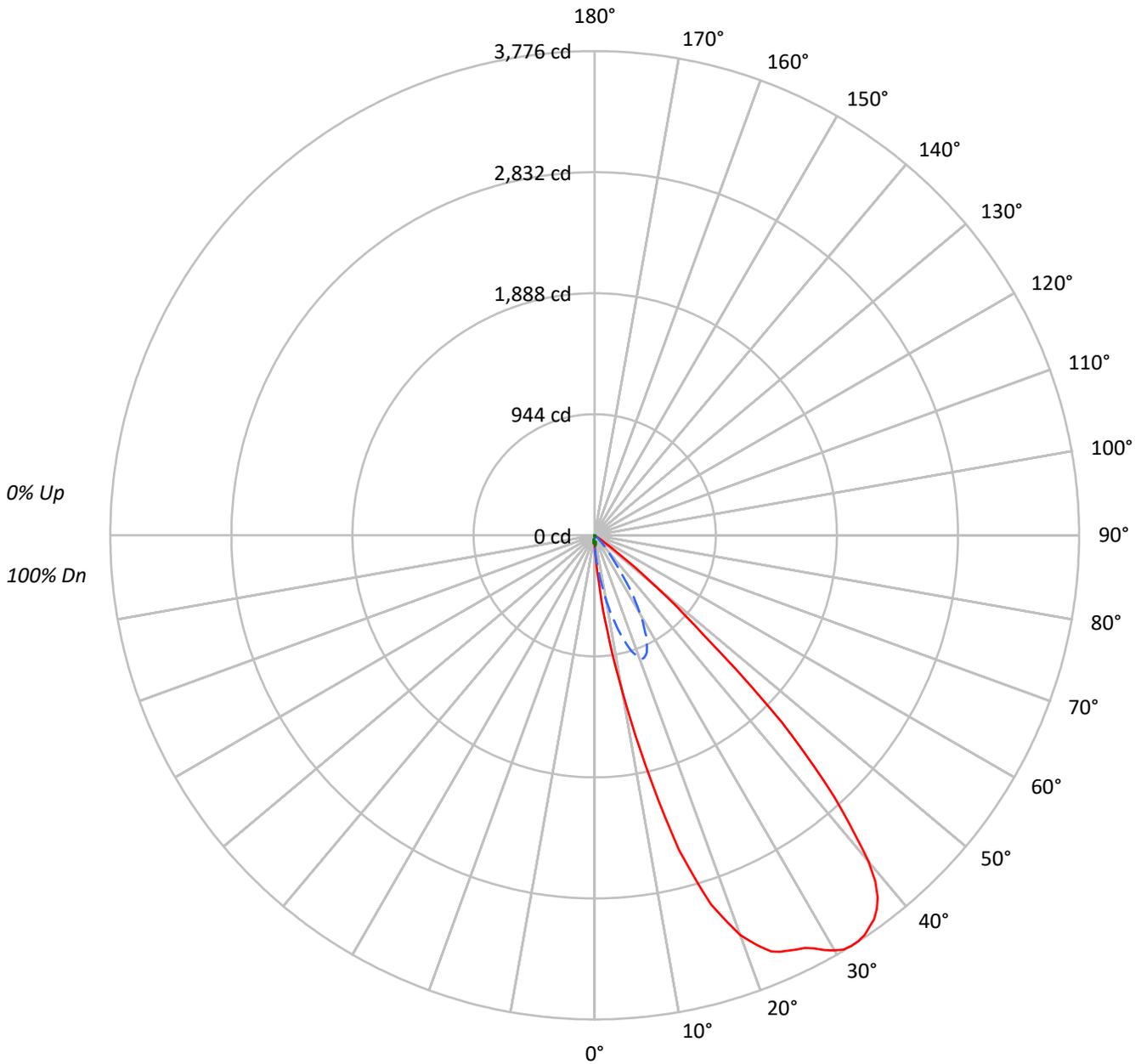
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1128.0 lumens
Efficiency: N/A
Efficacy: 56.1 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.1
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				
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	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	96	95	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	89	87	85	83
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	82	79	76	75
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	76	72	69	67
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	70	66	62	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	55	50	46	45
9	66	54	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	14639	14639	14639	14639	14639
5°	63620	39434	13588	4841	3354
10°	214157	89014	10160	1137	385
15°	453198	146008	6330	0	0
20°	607650	186574	2951	0	0
25°	679117	183224	608	0	0
30°	743439	140379	0	0	0
35°	784634	76466	0	0	0
40°	745888	34353	0	0	0
45°	500612	15198	0	0	0
50°	167216	1447	0	0	0
55°	9038	0	0	0	0
60°	0	0	379	0	0
65°	0	0	897	0	0
70°	0	554	1108	0	0
75°	0	732	1464	0	0
80°	0	1091	2182	0	0
85°	0	2174	4347	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 500612 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.3	1.6
10°-20°	156.5	13.9
20°-30°	343.4	30.4
30°-40°	397.2	35.2
40°-50°	196.1	17.4
50°-60°	14.5	1.3
60°-70°	0.5	0.0
70°-80°	0.8	0.1
80°-90°	0.8	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°	518.2	45.9
0°-40°	915.4	81.1
0°-60°	1126.0	99.8
0°-90°	1128.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1128.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	85	85	85	85	85	
5°	368	228	79	28	19	63
15°	2542	819	36	0	0	717
25°	3574	964	3	0	0	1652
35°	3732	364	0	0	0	2304
45°	2055	62	0	0	0	1509
55°	30	0	0	0	0	123
65°	0	0	2	0	0	0
75°	0	1	2	0	0	0
85°	0	1	2	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
2.5°	168.9	173.3	171.1	171.1	170.0	164.6	155.0	151.7	139.9	110.8	86.1
5°	368.0	369.1	365.9	349.7	335.7	322.8	294.9	281.9	228.1	135.6	78.6
7.5°	746.8	730.7	710.2	687.6	638.1	592.9	533.8	471.3	353.0	157.1	69.9
10°	1224.6	1202.0	1184.8	1131.0	1041.7	949.1	836.1	733.9	509.0	172.2	58.1
12.5°	1841.2	1828.3	1767.0	1659.4	1527.0	1393.6	1196.6	1034.1	666.1	175.4	47.3
15°	2541.8	2520.3	2426.6	2273.8	2094.1	1884.3	1620.6	1347.3	818.9	165.7	35.5
17.5°	3020.6	3008.8	2928.1	2767.8	2561.1	2294.3	1982.2	1641.1	944.8	145.3	24.8
20°	3315.5	3298.3	3223.0	3087.4	2871.1	2592.4	2222.2	1828.3	1018.0	119.4	16.1
21°	3391.9	3374.7	3314.4	3173.5	2966.8	2667.7	2287.8	1873.5	1032.0	107.6	12.9
22°	3464.0	3446.8	3383.3	3258.5	3054.0	2741.9	2339.5	1907.9	1029.8	97.9	9.7
23°	3524.3	3506.0	3443.6	3328.4	3122.9	2807.6	2378.2	1925.2	1015.8	88.2	7.5
24°	3555.5	3544.7	3488.8	3380.1	3178.8	2853.8	2405.1	1931.6	998.6	78.6	5.4
25°	3573.8	3560.9	3506.0	3405.9	3215.4	2890.4	2422.3	1926.2	964.2	69.9	3.2
26°	3593.1	3573.8	3511.4	3414.5	3234.8	2907.7	2423.4	1912.2	927.6	62.4	1.1
27°	3610.4	3592.1	3527.5	3421.0	3238.0	2902.3	2414.8	1885.3	883.5	54.9	1.1
28°	3648.0	3627.6	3553.3	3434.9	3241.2	2888.3	2387.9	1848.8	825.4	48.4	0.0
29°	3697.5	3676.0	3591.0	3468.3	3248.8	2873.2	2351.3	1800.3	774.8	43.0	0.0
30°	3738.4	3719.0	3640.5	3510.3	3268.1	2859.2	2308.3	1734.7	705.9	36.6	0.0
31°	3768.5	3749.2	3677.1	3545.8	3285.4	2846.3	2254.5	1666.9	643.5	32.3	0.0
32°	3776.1	3759.9	3692.1	3560.9	3285.4	2826.9	2205.0	1590.5	582.2	26.9	0.0
33°	3772.8	3756.7	3687.8	3550.1	3256.3	2780.7	2144.7	1499.0	512.2	23.7	0.0
34°	3761.0	3741.6	3668.5	3515.7	3199.3	2702.1	2057.5	1407.6	439.1	19.4	0.0
35°	3732.0	3714.7	3635.1	3451.1	3111.0	2582.7	1941.3	1302.1	363.7	16.1	0.0
36°	3704.0	3678.1	3580.2	3371.5	2994.8	2460.0	1802.5	1180.5	299.2	12.9	0.0
37°	3652.3	3615.7	3516.7	3256.3	2830.2	2286.7	1644.3	1047.1	250.7	9.7	0.0
38°	3583.5	3533.9	3408.0	3122.9	2664.5	2124.2	1495.8	926.5	210.9	6.5	0.0
39°	3476.9	3418.8	3247.7	2939.9	2472.9	1935.9	1325.8	798.5	179.7	4.3	0.0
40°	3317.7	3262.8	3073.4	2722.6	2282.4	1728.2	1151.4	654.3	152.8	2.2	0.0
42.5°	2762.4	2687.0	2467.5	2118.9	1687.3	1242.9	761.9	363.7	101.2	0.0	0.0
45°	2055.4	1988.7	1773.4	1456.0	1124.5	760.8	407.8	214.1	62.4	0.0	0.0
47.5°	1161.1	1153.6	1013.7	836.1	627.4	404.6	206.6	129.1	26.9	0.0	0.0
50°	624.1	585.4	504.7	383.1	261.5	176.5	111.9	71.0	5.4	0.0	0.0
52.5°	228.1	220.6	185.1	153.9	118.4	80.7	57.0	31.2	0.0	0.0	0.0
55°	30.1	28.0	29.1	31.2	32.3	28.0	18.3	6.5	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.1	2.2	2.2	2.2	0.0	0.0	0.0	1.1
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	2.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	2.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	2.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	2.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	2.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	2.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	2.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	2.2
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):

	112.5°	135°	157.5°	180°
0°	85.0	85.0	85.0	85.0
2.5°	65.6	50.6	43.0	42.0
5°	45.2	28.0	20.4	19.4
7.5°	31.2	14.0	9.7	8.6
10°	18.3	6.5	3.2	2.2
12.5°	10.8	1.1	0.0	0.0
15°	3.2	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	1.1	0.0	0.0	0.0
67.5°	1.1	0.0	0.0	0.0
70°	1.1	0.0	0.0	0.0
72.5°	1.1	0.0	0.0	0.0
75°	1.1	0.0	0.0	0.0
77.5°	1.1	0.0	0.0	0.0
80°	1.1	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	1.1	0.0	0.0	0.0
85°	1.1	0.0	0.0	0.0
87.5°	1.1	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)