

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: P1316230

Luminaire Tested: LDSQA3D05R209740DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316230
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: LDSQA3D05R209740DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

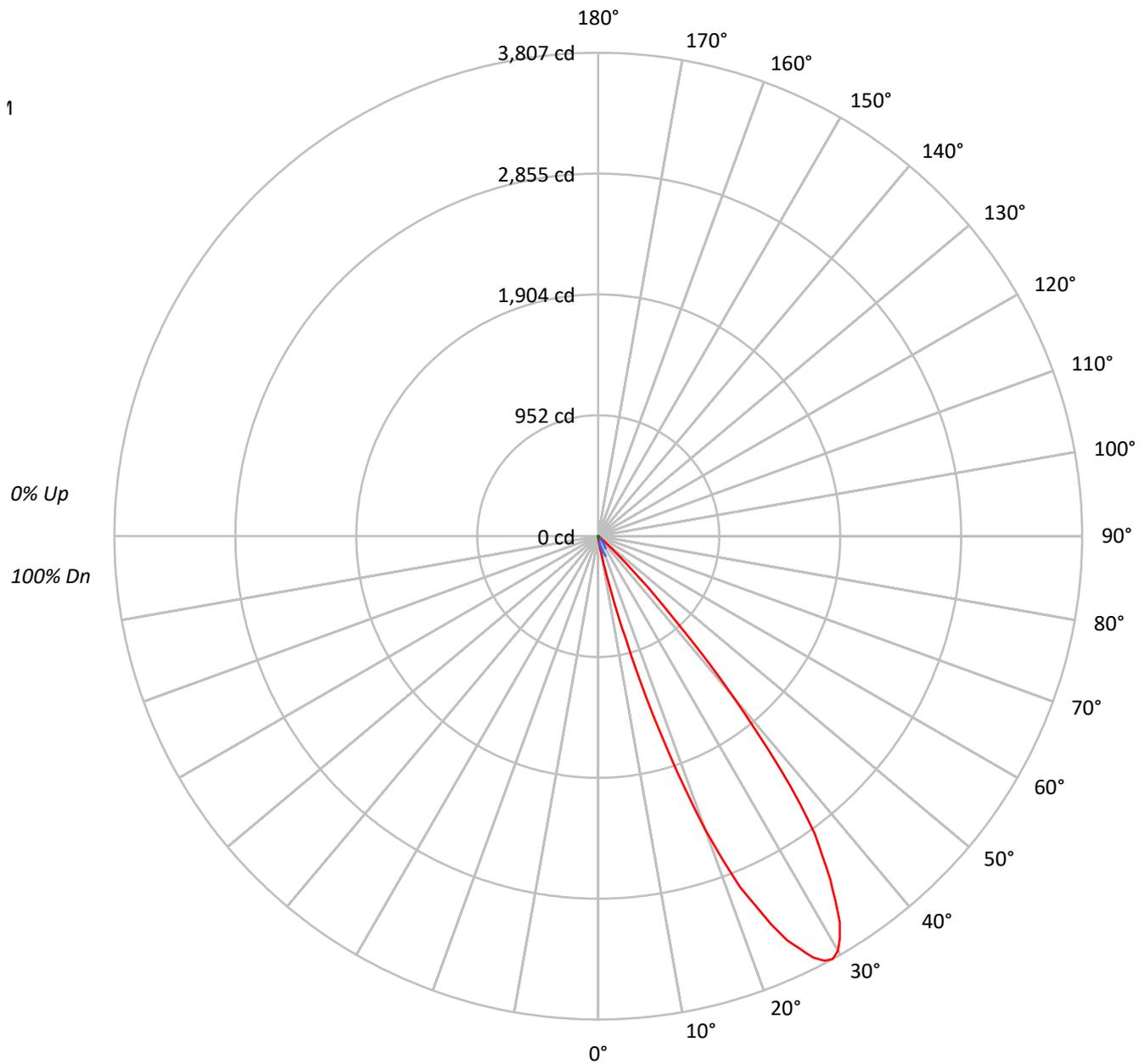
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 534.0 lumens
Efficiency: N/A
Efficacy: 74.2 lumens/watt
Spacing Criteria (0/90/45): 2.3 / 0.54 / 1.19
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	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	76	71	79	74	71	77	73	70	77	73	70	68
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	71	67	63	61
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	65	61	57	55
7	76	65	58	53	74	64	57	53	63	57	52	62	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	43	51	46	43	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3169	3169	3169	3169	3169
5°	7278	5446	3008	1850	1591
10°	22962	9496	2448	1014	769
15°	148736	17527	1819	339	89
20°	448933	30002	1246	0	0
25°	666709	30290	741	0	0
30°	749743	23029	298	0	0
35°	646882	13750	210	0	0
40°	372505	4676	0	0	0
45°	90848	1900	122	0	122
50°	10905	509	134	134	402
55°	1441	0	300	300	570
60°	172	0	517	517	827
65°	204	204	774	774	1182
70°	252	252	957	957	1209
75°	0	333	1264	998	1264
80°	0	496	1488	992	1488
85°	0	988	2964	988	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 2.5°
 Vertical Angle: 45°
 Luminance: 91457 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.5	0.5
10°-20°	49.5	9.3
20°-30°	215.7	40.4
30°-40°	217.2	40.7
40°-50°	43.6	8.2
50°-60°	2.2	0.4
60°-70°	1.4	0.3
70°-80°	1.3	0.2
80°-90°	0.7	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°	267.7	50.1
0°-40°	484.9	90.8
0°-60°	530.7	99.4
0°-90°	534.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	534.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	18	18	18	18	18	
5°	42	32	17	11	9	7
15°	834	98	10	2	0	327
25°	3508	159	4	0	0	1582
35°	3077	65	1	0	0	1831
45°	373	8	0	0	0	406
55°	5	0	1	1	2	9
65°	0	0	2	2	3	0
75°	0	0	2	2	2	0
85°	0	0	2	0	0	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°	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
2.5°	27.6	27.6	27.1	27.1	26.6	27.1	26.2	26.6	26.6	26.2	23.7
5°	42.1	43.1	42.6	42.6	42.1	42.6	41.7	40.7	39.7	39.7	31.5
7.5°	69.3	68.8	67.8	68.3	66.9	65.9	64.9	64.4	61.5	60.1	41.2
10°	131.3	134.2	131.8	131.3	122.6	122.1	116.3	108.0	100.8	96.9	54.3
12.5°	361.4	376.9	352.7	341.1	334.3	308.1	297.0	268.4	240.8	219.9	68.8
15°	834.2	872.5	823.6	827.0	786.3	711.7	646.3	590.1	523.7	456.9	98.3
17.5°	1634.6	1603.6	1576.9	1531.9	1449.0	1339.5	1198.6	1055.6	932.1	802.8	137.1
20°	2449.5	2421.8	2361.3	2262.9	2157.3	1995.0	1827.4	1612.8	1404.9	1210.2	163.7
21°	2730.0	2720.8	2621.4	2560.9	2398.1	2243.1	2049.8	1820.1	1586.1	1355.5	168.1
22°	2980.4	2925.2	2871.9	2782.3	2620.5	2451.9	2236.8	1995.0	1741.2	1484.9	168.6
23°	3153.9	3128.7	3078.3	2977.0	2816.2	2618.0	2391.3	2138.4	1871.0	1576.4	167.1
24°	3345.7	3313.7	3240.1	3121.9	2959.6	2763.9	2505.2	2254.2	1963.5	1653.5	163.3
25°	3508.5	3458.6	3371.4	3244.0	3066.7	2864.6	2604.5	2328.8	2028.0	1705.3	159.4
26°	3614.1	3587.0	3475.1	3336.5	3146.6	2938.3	2672.8	2386.0	2069.6	1729.1	153.1
27°	3724.1	3674.2	3564.2	3404.8	3198.9	2986.2	2711.5	2413.6	2084.2	1730.0	145.3
28°	3787.1	3732.8	3608.3	3440.7	3232.8	3012.9	2733.8	2422.3	2081.3	1715.0	136.1
29°	3806.9	3738.6	3617.0	3446.5	3241.1	3014.8	2730.4	2409.7	2055.6	1678.2	125.5
30°	3770.1	3700.3	3585.0	3418.9	3214.9	2990.6	2699.0	2368.1	2010.0	1625.4	115.8
31°	3689.7	3630.6	3519.2	3352.5	3156.8	2933.9	2627.7	2299.8	1932.5	1554.6	104.6
32°	3583.6	3525.4	3416.0	3265.3	3066.2	2841.4	2530.4	2193.2	1841.4	1449.0	93.5
33°	3424.2	3390.8	3292.4	3148.5	2949.4	2709.1	2399.6	2065.8	1711.6	1331.8	83.8
34°	3262.9	3220.7	3151.9	2994.5	2780.3	2540.5	2229.0	1889.9	1553.2	1200.5	74.6
35°	3076.8	3051.6	2943.6	2817.6	2602.5	2357.4	2047.8	1718.9	1368.6	1054.2	65.4
36°	2896.6	2857.9	2734.8	2601.6	2392.8	2127.8	1822.1	1513.0	1209.2	917.1	55.7
37°	2635.0	2575.9	2488.2	2347.7	2103.5	1877.8	1598.7	1311.9	1013.0	768.8	45.1
38°	2327.4	2299.8	2178.2	2036.7	1834.7	1620.5	1344.4	1101.2	835.7	641.9	34.4
39°	1964.5	1964.0	1847.7	1745.5	1547.9	1355.0	1106.0	893.8	689.9	516.9	26.6
40°	1656.9	1599.7	1528.0	1399.6	1248.0	1084.2	866.2	699.6	535.3	416.6	20.8
42.5°	868.6	863.8	821.7	725.2	640.5	544.1	432.6	360.4	282.0	229.6	13.1
45°	373.0	375.5	346.4	331.9	298.9	258.7	218.5	182.2	156.0	126.4	7.8
47.5°	94.5	90.6	89.6	93.0	93.0	90.1	80.9	76.1	70.2	64.4	4.4
50°	40.7	39.7	38.8	38.8	36.3	34.9	32.5	29.6	27.1	24.2	1.9
52.5°	15.0	15.5	16.0	15.5	15.5	15.0	15.0	14.5	13.1	11.6	1.0
55°	4.8	4.8	4.8	5.3	5.3	5.8	5.8	5.8	5.8	5.3	0.0
57.5°	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.9	1.9	0.0
60°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0
62.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
65°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
75°	0.0	0.0	0.0	0.5	0.0	0.5	0.5	0.0	0.5	0.5	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5



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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	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
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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CATALOG NUMBER: LDSQA3D05R209740DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
0°	18.4	18.4	18.4	18.4	18.4	18.4
2.5°	21.3	18.9	16.0	13.6	13.1	12.6
5°	23.7	17.4	13.1	10.7	9.7	9.2
7.5°	25.7	16.0	10.7	7.8	6.8	6.3
10°	26.6	14.0	8.7	5.8	4.4	4.4
12.5°	27.1	12.1	6.3	3.9	2.4	2.4
15°	26.6	10.2	4.8	1.9	0.5	0.5
17.5°	24.2	8.2	2.9	0.5	0.0	0.0
20°	20.8	6.8	1.9	0.0	0.0	0.0
21°	19.9	5.8	1.5	0.0	0.0	0.0
22°	18.4	5.3	1.0	0.0	0.0	0.0
23°	17.0	4.8	1.0	0.0	0.0	0.0
24°	15.5	4.4	0.5	0.0	0.0	0.0
25°	14.5	3.9	0.5	0.0	0.0	0.0
26°	13.6	3.4	0.5	0.0	0.0	0.0
27°	12.1	2.9	0.0	0.0	0.0	0.0
28°	11.1	2.4	0.0	0.0	0.0	0.0
29°	9.7	1.9	0.0	0.0	0.0	0.0
30°	8.2	1.5	0.0	0.0	0.0	0.0
31°	6.8	1.5	0.0	0.0	0.0	0.0
32°	5.8	1.0	0.0	0.0	0.0	0.0
33°	4.8	1.0	0.0	0.0	0.0	0.0
34°	4.4	1.0	0.0	0.0	0.0	0.0
35°	3.9	1.0	0.0	0.0	0.0	0.0
36°	2.9	0.5	0.0	0.0	0.0	0.0
37°	2.4	0.5	0.0	0.0	0.0	0.0
38°	1.9	0.5	0.0	0.0	0.0	0.0
39°	1.5	0.0	0.0	0.0	0.0	0.0
40°	1.5	0.0	0.0	0.0	0.0	0.0
42.5°	0.5	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.5	0.0	0.0	0.5	0.5
47.5°	0.0	0.5	0.0	0.0	0.5	1.0
50°	0.0	0.5	0.5	0.5	1.0	1.5
52.5°	0.0	1.0	0.5	0.5	1.5	1.5
55°	0.5	1.0	0.5	1.0	1.9	1.9
57.5°	0.5	1.0	1.0	1.5	1.9	2.4
60°	1.0	1.5	1.5	1.5	2.4	2.4
62.5°	1.0	1.5	1.9	1.9	2.4	2.9
65°	1.0	1.9	1.9	1.9	2.4	2.9
67.5°	1.5	1.9	1.9	1.9	2.4	2.9
70°	1.5	1.9	1.9	1.9	2.4	2.4
72.5°	1.5	1.9	1.5	1.9	1.9	2.4
75°	1.5	1.9	1.5	1.5	1.9	1.9
77.5°	1.0	1.5	1.5	1.0	1.5	1.5
80°	1.0	1.5	1.0	1.0	1.5	1.5



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CANDELA DISTRIBUTION (continued):

	67.5°	90°	112.5°	135°	157.5°	180°
82.5°	1.0	1.5	1.0	0.5	1.0	1.0
85°	1.0	1.5	1.0	0.5	0.5	0.5
87.5°	1.0	1.5	1.0	0.5	0.0	0.5
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)