

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: P1317654

Luminaire Tested: LDSQA3D17R409827DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317654
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R409827DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

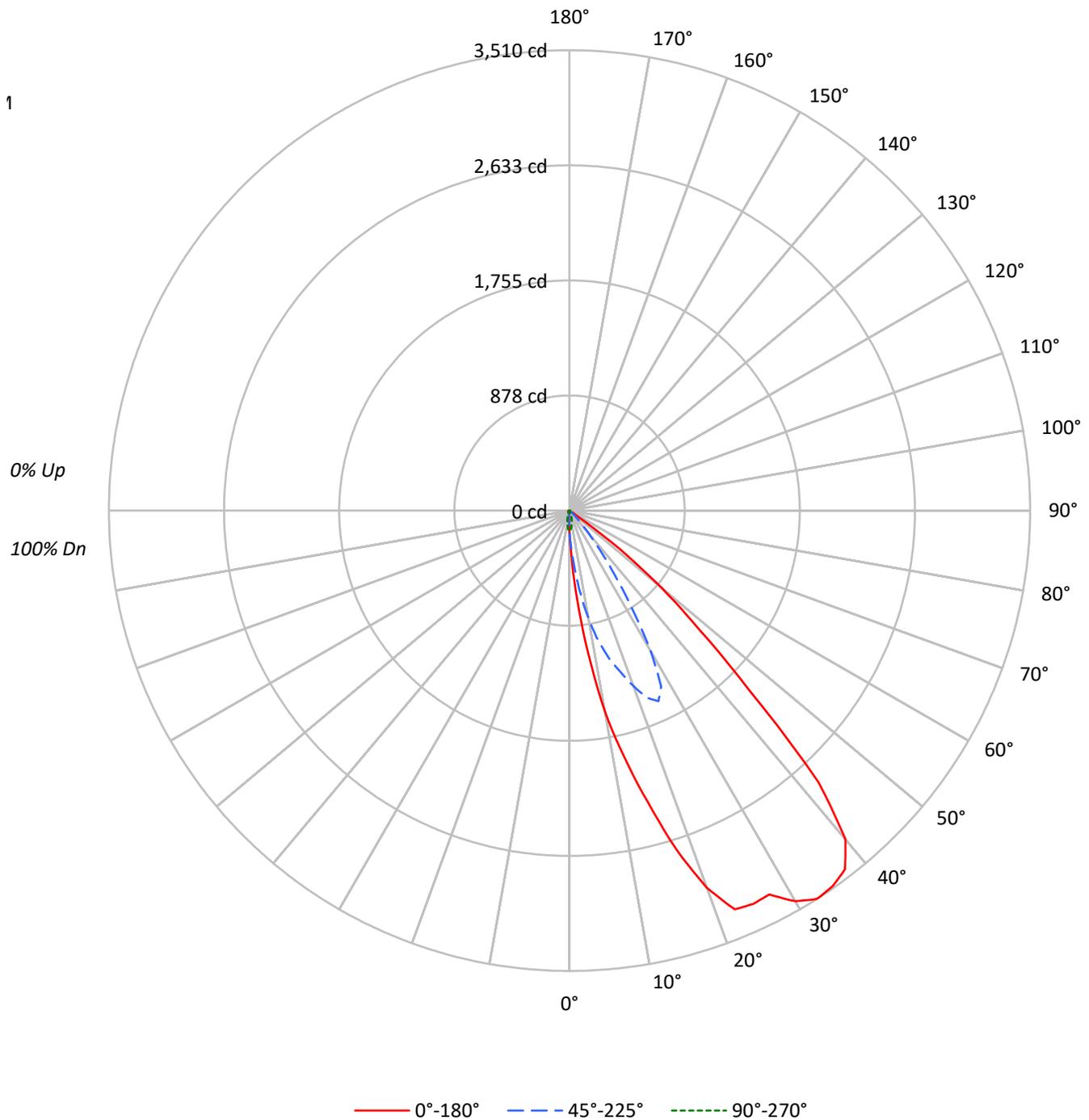
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1295.1 lumens
Efficiency: N/A
Efficacy: 63.5 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.42 / 1.24
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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





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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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	96	94	93	91
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	89	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	82	79	76	74
4	92	83	77	71	90	82	76	71	80	74	70	78	73	69	76	72	68	76	72	68	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	70	65	62	60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	60	56	64	60	56	54
7	75	64	57	52	74	63	56	51	62	56	51	61	55	51	59	54	51	59	54	51	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	55	50	46	44
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	26385	26385	26385	26385	26385
5°	119011	75877	23650	9076	6621
10°	272952	146619	16649	3253	2483
15°	409622	208020	10341	1765	1569
20°	560878	260783	6011	1008	1210
25°	628741	304708	3116	836	1045
30°	683899	245957	1313	656	1094
35°	734996	125874	463	925	1388
40°	735254	50202	247	989	1731
45°	469437	16806	536	1607	2411
50°	243683	2063	884	2063	2920
55°	21018	330	991	2642	3603
60°	758	379	1137	3031	4133
65°	897	448	1793	3138	4442
70°	554	554	2216	3323	4431
75°	732	732	2196	3660	5124
80°	1091	1091	3273	3273	4364
85°	0	2174	6521	4347	4347

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 469437 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.8	2.3
10°-20°	175.3	13.5
20°-30°	383.9	29.6
30°-40°	437.3	33.8
40°-50°	230.7	17.8
50°-60°	27.2	2.1
60°-70°	4.9	0.4
70°-80°	4.0	0.3
80°-90°	1.8	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°	589.0	45.5
0°-40°	1026.3	79.2
0°-60°	1284.3	99.2
0°-90°	1295.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1295.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	153	153	153	153	153	
5°	688	439	137	52	38	93
15°	2297	1167	58	10	9	677
25°	3309	1604	16	4	6	1525
35°	3496	599	2	4	7	2167
45°	1927	69	2	7	10	1554
55°	70	1	3	9	12	217
65°	2	1	4	8	11	2
75°	1	1	3	6	8	1
85°	0	1	3	2	2	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	153.2	153.2	153.2	153.2	153.2	153.2	153.2	153.2	153.2	153.2	153.2
2.5°	341.5	341.5	340.4	330.5	329.4	328.4	310.8	306.5	285.7	271.4	206.9
5°	688.4	673.1	672.0	654.5	625.0	585.6	560.4	519.9	480.5	438.9	255.0
7.5°	1096.7	1109.8	1073.7	1055.1	989.4	942.4	870.1	806.7	718.0	634.8	294.4
10°	1560.8	1537.8	1501.7	1465.6	1394.4	1310.1	1202.9	1090.1	962.1	838.4	316.3
12.5°	1923.1	1893.5	1871.6	1822.4	1752.3	1644.0	1515.9	1364.9	1195.2	1016.8	315.2
15°	2297.4	2267.8	2218.6	2174.8	2070.8	1949.3	1810.3	1611.1	1403.2	1166.7	292.2
17.5°	2708.9	2670.6	2615.9	2549.1	2448.4	2313.8	2137.6	1894.6	1600.2	1289.3	250.6
20°	3060.3	3037.3	2982.5	2903.7	2805.2	2673.9	2470.3	2201.1	1842.1	1422.9	199.2
22.5°	3290.1	3269.3	3232.1	3163.1	3088.7	2948.6	2762.5	2467.0	2044.5	1544.4	151.0
25°	3308.7	3300.0	3290.1	3267.1	3222.2	3122.6	2941.0	2622.4	2170.4	1603.5	111.6
27.5°	3298.9	3295.6	3293.4	3281.3	3251.8	3153.3	2967.2	2645.4	2154.0	1511.5	82.1
30°	3439.0	3429.1	3423.6	3384.2	3306.5	3154.4	2911.4	2521.8	1914.3	1236.8	59.1
32.5°	3510.1	3507.9	3502.4	3464.1	3354.7	3156.6	2817.3	2223.0	1518.1	893.1	40.5
35°	3495.9	3484.9	3465.2	3394.1	3241.9	2993.5	2513.0	1775.3	1095.6	598.7	26.3
37.5°	3447.7	3422.5	3384.2	3256.2	3053.7	2714.4	2038.0	1306.8	745.4	387.5	15.3
40°	3270.4	3236.5	3176.3	3019.8	2753.8	2237.2	1507.1	883.3	489.2	223.3	4.4
42.5°	2811.8	2768.0	2724.2	2549.1	2244.8	1668.0	991.6	546.2	279.1	122.6	1.1
45°	1927.4	1872.7	1812.5	1685.5	1441.5	1010.2	589.9	307.6	144.5	69.0	1.1
47.5°	1338.6	1313.4	1208.3	1046.4	802.3	535.2	305.4	151.0	76.6	31.7	1.1
50°	909.5	881.1	758.5	602.0	426.9	256.1	140.1	75.5	33.9	7.7	1.1
52.5°	477.2	442.2	364.5	278.0	172.9	107.3	61.3	32.8	9.9	1.1	1.1
55°	70.0	64.6	52.5	42.7	38.3	29.6	17.5	7.7	1.1	1.1	2.2
57.5°	2.2	2.2	2.2	2.2	3.3	3.3	2.2	1.1	1.1	1.1	2.2
60°	2.2	2.2	2.2	2.2	2.2	1.1	1.1	1.1	1.1	1.1	2.2
62.5°	2.2	2.2	2.2	2.2	2.2	1.1	1.1	1.1	1.1	1.1	2.2
65°	2.2	2.2	2.2	2.2	2.2	1.1	1.1	1.1	1.1	1.1	2.2
67.5°	2.2	2.2	2.2	2.2	1.1	1.1	1.1	1.1	1.1	2.2	3.3
70°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.3
72.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	3.3
75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.3
77.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	3.3
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2
82.5°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	3.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	2.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	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):

	90°	112.5°	135°	157.5°	180°
0°	153.2	153.2	153.2	153.2	153.2
2.5°	151.0	111.6	86.5	74.4	73.3
5°	136.8	79.9	52.5	40.5	38.3
7.5°	116.0	55.8	30.6	21.9	20.8
10°	95.2	38.3	18.6	15.3	14.2
12.5°	75.5	25.2	13.1	12.0	10.9
15°	58.0	16.4	9.9	8.8	8.8
17.5°	43.8	10.9	7.7	7.7	7.7
20°	32.8	7.7	5.5	6.6	6.6
22.5°	23.0	5.5	4.4	5.5	5.5
25°	16.4	4.4	4.4	5.5	5.5
27.5°	10.9	3.3	3.3	4.4	5.5
30°	6.6	2.2	3.3	4.4	5.5
32.5°	3.3	2.2	3.3	5.5	5.5
35°	2.2	3.3	4.4	5.5	6.6
37.5°	1.1	3.3	4.4	6.6	6.6
40°	1.1	3.3	4.4	6.6	7.7
42.5°	2.2	4.4	5.5	7.7	8.8
45°	2.2	4.4	6.6	8.8	9.9
47.5°	2.2	4.4	7.7	9.9	9.9
50°	3.3	5.5	7.7	9.9	10.9
52.5°	3.3	5.5	7.7	10.9	12.0
55°	3.3	5.5	8.8	10.9	12.0
57.5°	3.3	6.6	8.8	10.9	12.0
60°	3.3	5.5	8.8	10.9	12.0
62.5°	4.4	5.5	7.7	10.9	10.9
65°	4.4	5.5	7.7	10.9	10.9
67.5°	4.4	5.5	7.7	9.9	9.9
70°	4.4	5.5	6.6	8.8	8.8
72.5°	4.4	5.5	6.6	7.7	8.8
75°	3.3	4.4	5.5	6.6	7.7
77.5°	3.3	4.4	4.4	6.6	6.6
80°	3.3	3.3	3.3	4.4	4.4
82.5°	3.3	3.3	2.2	3.3	3.3
85°	3.3	2.2	2.2	2.2	2.2
87.5°	2.2	2.2	1.1	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)