

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: P1310841

Luminaire Tested: LDSQA3D24R409035D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310841
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: LDSQA3D24R409035D010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

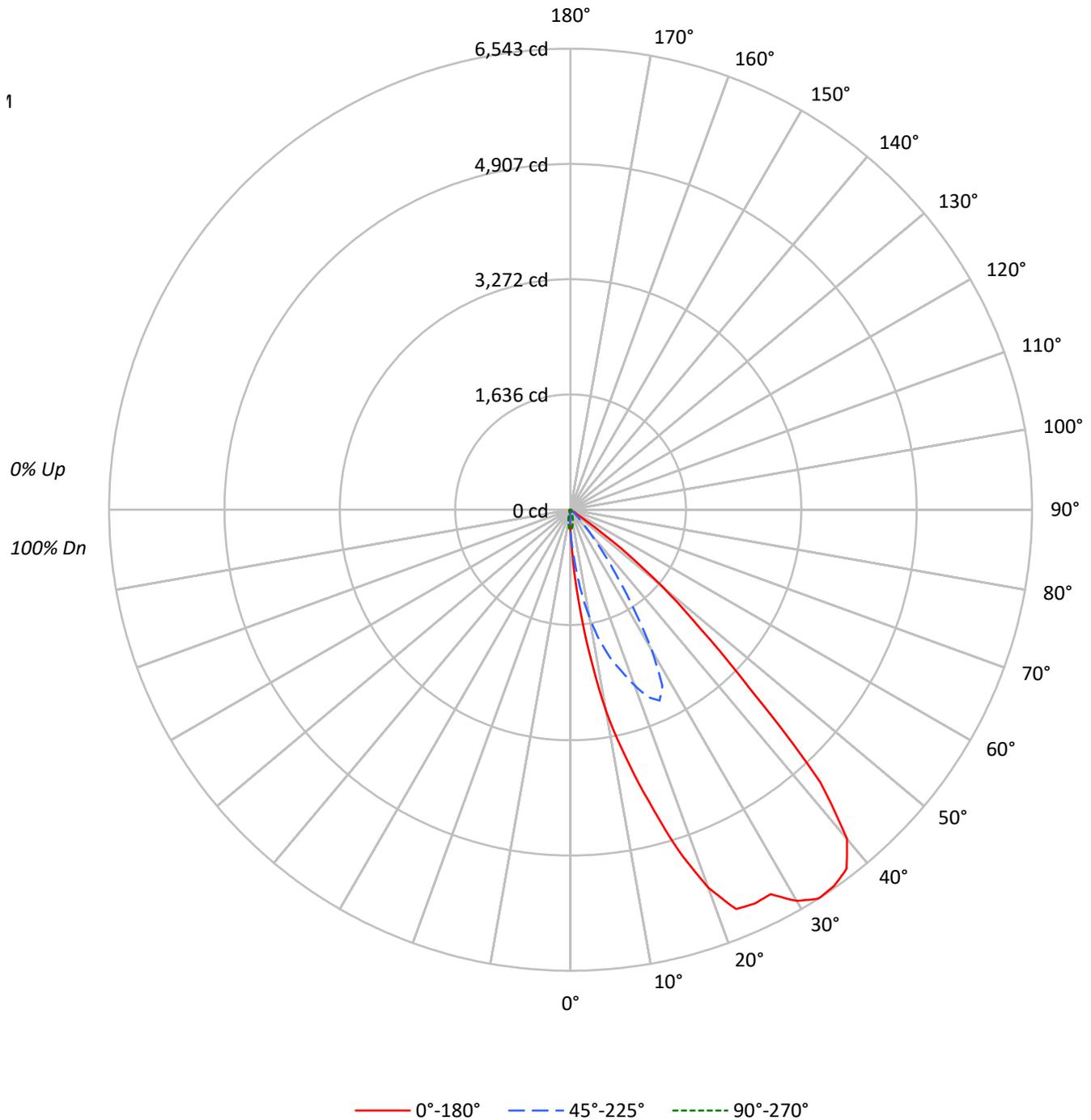
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2414.0 lumens
Efficiency: N/A
Efficacy: 83.8 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): 28.8
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	100	100	100	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91	91	91	91
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82	82	82	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74	74	74	74
4	92	83	77	71	90	82	76	71	80	74	70	78	73	69	76	72	68	67	67	67	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60	60	60	60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54	54	54	54
7	75	64	57	52	74	63	56	52	62	56	51	61	55	51	59	54	51	49	49	49	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44	44	44	44
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40	40	40	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37	37	37	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	49187	49187	49187	49187	49187
5°	221858	141434	44085	16925	12344
10°	508794	273302	31041	6068	4634
15°	763561	387780	19274	3281	2906
20°	1045513	486120	11216	1869	2236
25°	1172027	567990	5815	1558	1938
30°	1274828	458485	2426	1213	2028
35°	1370083	234633	862	1724	2565
40°	1370574	93570	450	1844	3215
45°	875085	31297	999	2971	4481
50°	454277	3831	1634	3831	5466
55°	39214	601	1832	4894	6726
60°	1412	689	2101	5614	7716
65°	1671	815	3342	5827	8313
70°	1007	1007	4129	6143	8208
75°	1331	1331	4059	6787	9515
80°	1984	1984	6050	6050	8133
85°	0	3952	12054	8102	8102

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 875085 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.6	2.3
10°-20°	326.7	13.5
20°-30°	715.6	29.6
30°-40°	815.2	33.8
40°-50°	430.1	17.8
50°-60°	50.7	2.1
60°-70°	9.1	0.4
70°-80°	7.5	0.3
80°-90°	3.4	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°	1097.9	45.5
0°-40°	1913.1	79.3
0°-60°	2394.0	99.2
0°-90°	2414.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2414.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	286	286	286	286	286	
5°	1283	818	255	98	71	173
15°	4282	2175	108	18	16	1262
25°	6168	2989	31	8	10	2842
35°	6517	1116	4	8	12	4039
45°	3593	128	4	12	18	2897
55°	131	2	6	16	22	405
65°	4	2	8	14	20	4
75°	2	2	6	10	14	2
85°	0	2	6	4	4	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°	285.6	285.6	285.6	285.6	285.6	285.6	285.6	285.6	285.6	285.6	285.6
2.5°	636.6	636.6	634.5	616.2	614.1	612.1	579.4	571.3	532.5	506.0	385.6
5°	1283.3	1254.8	1252.7	1220.1	1165.0	1091.5	1044.6	969.1	895.7	818.1	475.4
7.5°	2044.4	2068.8	2001.5	1966.8	1844.4	1756.7	1622.0	1503.7	1338.4	1183.4	548.8
10°	2909.4	2866.6	2799.3	2731.9	2599.3	2442.2	2242.3	2032.1	1793.4	1562.8	589.6
12.5°	3584.8	3529.7	3488.9	3397.0	3266.5	3064.5	2825.8	2544.2	2228.0	1895.4	587.6
15°	4282.5	4227.4	4135.6	4054.0	3860.2	3633.7	3374.6	3003.3	2615.6	2174.9	544.8
17.5°	5049.7	4978.3	4876.2	4751.8	4564.1	4313.1	3984.6	3531.7	2982.9	2403.4	467.2
20°	5704.6	5661.7	5559.7	5412.8	5229.2	4984.4	4604.9	4103.0	3433.8	2652.4	371.3
22.5°	6133.1	6094.3	6024.9	5896.4	5757.6	5496.5	5149.6	4598.8	3811.2	2878.8	281.6
25°	6167.7	6151.4	6133.1	6090.2	6006.6	5820.9	5482.2	4888.5	4045.9	2989.0	208.1
27.5°	6149.4	6143.3	6139.2	6116.7	6061.6	5878.0	5531.2	4931.3	4015.3	2817.6	153.0
30°	6410.5	6392.2	6382.0	6308.5	6163.7	5880.1	5427.1	4700.8	3568.4	2305.5	110.2
32.5°	6543.1	6539.1	6528.9	6457.5	6253.4	5884.1	5251.7	4143.8	2829.9	1664.9	75.5
35°	6516.6	6496.2	6459.5	6326.9	6043.3	5580.1	4684.5	3309.3	2042.3	1116.0	49.0
37.5°	6426.8	6379.9	6308.5	6069.8	5692.4	5059.9	3799.0	2436.1	1389.4	722.3	28.6
40°	6096.3	6033.1	5920.9	5629.1	5133.3	4170.3	2809.5	1646.5	912.0	416.2	8.2
42.5°	5241.5	5159.8	5078.2	4751.8	4184.6	3109.4	1848.5	1018.1	520.3	228.5	2.0
45°	3592.9	3490.9	3378.7	3142.0	2687.0	1883.2	1099.7	573.3	269.3	128.5	2.0
47.5°	2495.2	2448.3	2252.5	1950.5	1495.5	997.7	569.2	281.6	142.8	59.2	2.0
50°	1695.5	1642.4	1413.9	1122.1	795.7	477.4	261.2	140.8	63.2	14.3	2.0
52.5°	889.6	824.3	679.4	518.2	322.4	199.9	114.3	61.2	18.4	2.0	2.0
55°	130.6	120.4	97.9	79.6	71.4	55.1	32.6	14.3	2.0	2.0	4.1
57.5°	4.1	4.1	4.1	4.1	6.1	6.1	4.1	2.0	2.0	2.0	4.1
60°	4.1	4.1	4.1	4.1	4.1	2.0	2.0	2.0	2.0	2.0	4.1
62.5°	4.1	4.1	4.1	4.1	4.1	2.0	2.0	2.0	2.0	2.0	4.1
65°	4.1	4.1	4.1	4.1	4.1	2.0	2.0	2.0	2.0	2.0	4.1
67.5°	4.1	4.1	4.1	4.1	2.0	2.0	2.0	2.0	2.0	4.1	6.1
70°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	6.1
72.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.1	6.1
75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	6.1
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.1	6.1
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.1
82.5°	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	6.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	4.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	4.1
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°	285.6	285.6	285.6	285.6	285.6
2.5°	281.6	208.1	161.2	138.7	136.7
5°	255.0	148.9	97.9	75.5	71.4
7.5°	216.3	104.1	57.1	40.8	38.8
10°	177.5	71.4	34.7	28.6	26.5
12.5°	140.8	46.9	24.5	22.4	20.4
15°	108.1	30.6	18.4	16.3	16.3
17.5°	81.6	20.4	14.3	14.3	14.3
20°	61.2	14.3	10.2	12.2	12.2
22.5°	42.8	10.2	8.2	10.2	10.2
25°	30.6	8.2	8.2	10.2	10.2
27.5°	20.4	6.1	6.1	8.2	10.2
30°	12.2	4.1	6.1	8.2	10.2
32.5°	6.1	4.1	6.1	10.2	10.2
35°	4.1	6.1	8.2	10.2	12.2
37.5°	2.0	6.1	8.2	12.2	12.2
40°	2.0	6.1	8.2	12.2	14.3
42.5°	4.1	8.2	10.2	14.3	16.3
45°	4.1	8.2	12.2	16.3	18.4
47.5°	4.1	8.2	14.3	18.4	18.4
50°	6.1	10.2	14.3	18.4	20.4
52.5°	6.1	10.2	14.3	20.4	22.4
55°	6.1	10.2	16.3	20.4	22.4
57.5°	6.1	12.2	16.3	20.4	22.4
60°	6.1	10.2	16.3	20.4	22.4
62.5°	8.2	10.2	14.3	20.4	20.4
65°	8.2	10.2	14.3	20.4	20.4
67.5°	8.2	10.2	14.3	18.4	18.4
70°	8.2	10.2	12.2	16.3	16.3
72.5°	8.2	10.2	12.2	14.3	16.3
75°	6.1	8.2	10.2	12.2	14.3
77.5°	6.1	8.2	8.2	12.2	12.2
80°	6.1	6.1	6.1	8.2	8.2
82.5°	6.1	6.1	4.1	6.1	6.1
85°	6.1	4.1	4.1	4.1	4.1
87.5°	4.1	4.1	2.0	2.0	2.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)