

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: P1311959

Luminaire Tested: LDSQA3D24R409040D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311959
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: LDSQA3D24R409040D010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

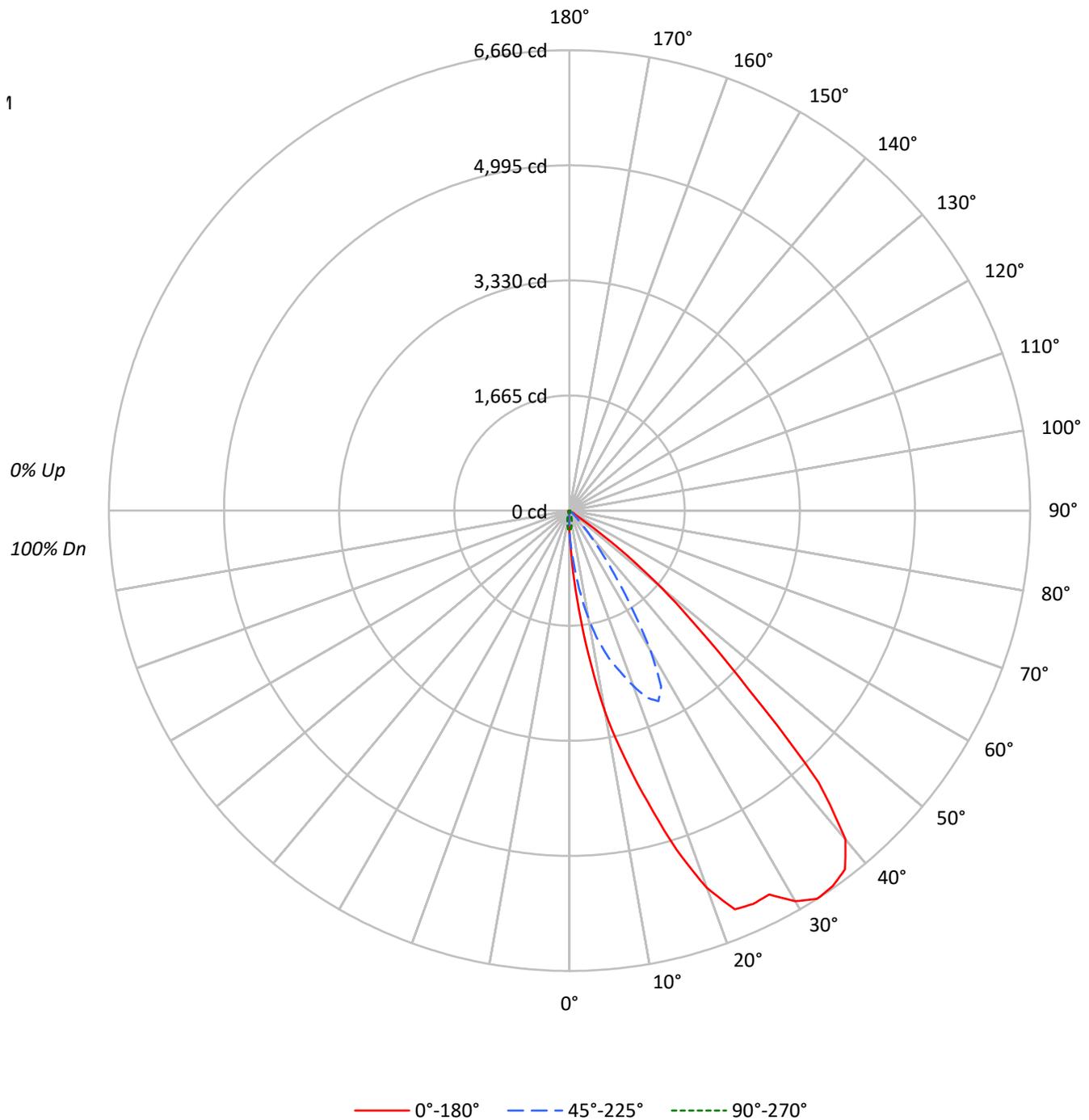
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2457.0 lumens
Efficiency: N/A
Efficacy: 85.3 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 (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





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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°	50065	50065	50065	50065	50065
5°	225817	143958	44880	17236	12568
10°	517853	278181	31601	6173	4722
15°	777165	394698	19631	3334	2960
20°	1064134	494771	11418	1906	2291
25°	1192911	578099	5910	1577	1976
30°	1297538	466658	2486	1233	2068
35°	1394492	238817	883	1745	2628
40°	1394990	95234	472	1866	3260
45°	890673	31858	1023	3044	4555
50°	462368	3885	1661	3885	5573
55°	39905	631	1862	4984	6846
60°	1447	723	2136	5718	7853
65°	1712	856	3382	5909	8476
70°	1057	1057	4179	6294	8359
75°	1397	1397	4126	6920	9649
80°	2083	2083	6149	6149	8232
85°	0	4150	12251	8299	8299

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 890673 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.6	2.3
10°-20°	332.6	13.5
20°-30°	728.3	29.6
30°-40°	829.7	33.8
40°-50°	437.8	17.8
50°-60°	51.6	2.1
60°-70°	9.3	0.4
70°-80°	7.6	0.3
80°-90°	3.5	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°	1117.5	45.5
0°-40°	1947.2	79.3
0°-60°	2436.6	99.2
0°-90°	2457.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2457.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	291	291	291	291	291	
5°	1306	833	260	100	73	176
15°	4359	2214	110	19	17	1284
25°	6278	3042	31	8	10	2892
35°	6633	1136	4	8	12	4111
45°	3657	131	4	12	19	2948
55°	133	2	6	17	23	413
65°	4	2	8	14	21	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°	290.7	290.7	290.7	290.7	290.7	290.7	290.7	290.7	290.7	290.7	290.7
2.5°	647.9	647.9	645.8	627.1	625.1	623.0	589.8	581.5	542.0	515.0	392.5
5°	1306.2	1277.1	1275.0	1241.8	1185.7	1111.0	1063.2	986.4	911.6	832.7	483.9
7.5°	2080.8	2105.7	2037.2	2001.9	1877.3	1788.0	1650.9	1530.5	1362.3	1204.4	558.6
10°	2961.2	2917.6	2849.1	2780.6	2645.6	2485.7	2282.2	2068.3	1825.3	1590.7	600.1
12.5°	3648.6	3592.5	3551.0	3457.6	3324.7	3119.1	2876.1	2589.5	2267.7	1929.2	598.1
15°	4358.8	4302.7	4209.3	4126.2	3929.0	3698.4	3434.7	3056.8	2662.2	2213.7	554.5
17.5°	5139.6	5066.9	4963.1	4836.4	4645.4	4390.0	4055.6	3594.6	3036.0	2446.2	475.5
20°	5806.2	5762.6	5658.8	5509.3	5322.4	5073.2	4686.9	4176.1	3494.9	2699.6	377.9
22.5°	6242.3	6202.8	6132.2	6001.4	5860.2	5594.4	5241.4	4680.7	3879.1	2930.1	286.6
25°	6277.6	6261.0	6242.3	6198.7	6113.5	5924.6	5579.9	4975.6	4117.9	3042.2	211.8
27.5°	6258.9	6252.7	6248.5	6225.7	6169.6	5982.7	5629.7	5019.2	4086.8	2867.8	155.7
30°	6524.7	6506.0	6495.6	6420.9	6273.4	5984.8	5523.8	4784.5	3632.0	2346.6	112.1
32.5°	6659.7	6655.5	6645.2	6572.5	6364.8	5989.0	5345.2	4217.6	2880.3	1694.5	76.8
35°	6632.7	6611.9	6574.6	6439.6	6150.9	5679.5	4767.9	3368.3	2078.7	1135.9	49.8
37.5°	6541.3	6493.6	6420.9	6177.9	5793.7	5150.0	3866.7	2479.5	1414.2	735.1	29.1
40°	6204.9	6140.5	6026.3	5729.4	5224.8	4244.6	2859.5	1675.8	928.2	423.6	8.3
42.5°	5334.8	5251.8	5168.7	4836.4	4259.1	3164.8	1881.4	1036.2	529.5	232.6	2.1
45°	3656.9	3553.1	3438.9	3198.0	2734.9	1916.7	1119.3	583.5	274.1	130.8	2.1
47.5°	2539.7	2491.9	2292.6	1985.2	1522.2	1015.5	579.4	286.6	145.4	60.2	2.1
50°	1725.7	1671.7	1439.1	1142.1	809.9	485.9	265.8	143.3	64.4	14.5	2.1
52.5°	905.4	839.0	691.5	527.5	328.1	203.5	116.3	62.3	18.7	2.1	2.1
55°	132.9	122.5	99.7	81.0	72.7	56.1	33.2	14.5	2.1	2.1	4.2
57.5°	4.2	4.2	4.2	4.2	6.2	6.2	4.2	2.1	2.1	2.1	4.2
60°	4.2	4.2	4.2	4.2	4.2	2.1	2.1	2.1	2.1	2.1	4.2
62.5°	4.2	4.2	4.2	4.2	4.2	2.1	2.1	2.1	2.1	2.1	4.2
65°	4.2	4.2	4.2	4.2	4.2	2.1	2.1	2.1	2.1	2.1	4.2
67.5°	4.2	4.2	4.2	4.2	2.1	2.1	2.1	2.1	2.1	4.2	6.2
70°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	6.2
72.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.2	6.2
75°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	6.2
77.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.2	6.2
80°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.2
82.5°	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	6.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	4.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	4.2
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°	290.7	290.7	290.7	290.7	290.7
2.5°	286.6	211.8	164.1	141.2	139.1
5°	259.6	151.6	99.7	76.8	72.7
7.5°	220.1	105.9	58.1	41.5	39.5
10°	180.7	72.7	35.3	29.1	27.0
12.5°	143.3	47.8	24.9	22.8	20.8
15°	110.1	31.1	18.7	16.6	16.6
17.5°	83.1	20.8	14.5	14.5	14.5
20°	62.3	14.5	10.4	12.5	12.5
22.5°	43.6	10.4	8.3	10.4	10.4
25°	31.1	8.3	8.3	10.4	10.4
27.5°	20.8	6.2	6.2	8.3	10.4
30°	12.5	4.2	6.2	8.3	10.4
32.5°	6.2	4.2	6.2	10.4	10.4
35°	4.2	6.2	8.3	10.4	12.5
37.5°	2.1	6.2	8.3	12.5	12.5
40°	2.1	6.2	8.3	12.5	14.5
42.5°	4.2	8.3	10.4	14.5	16.6
45°	4.2	8.3	12.5	16.6	18.7
47.5°	4.2	8.3	14.5	18.7	18.7
50°	6.2	10.4	14.5	18.7	20.8
52.5°	6.2	10.4	14.5	20.8	22.8
55°	6.2	10.4	16.6	20.8	22.8
57.5°	6.2	12.5	16.6	20.8	22.8
60°	6.2	10.4	16.6	20.8	22.8
62.5°	8.3	10.4	14.5	20.8	20.8
65°	8.3	10.4	14.5	20.8	20.8
67.5°	8.3	10.4	14.5	18.7	18.7
70°	8.3	10.4	12.5	16.6	16.6
72.5°	8.3	10.4	12.5	14.5	16.6
75°	6.2	8.3	10.4	12.5	14.5
77.5°	6.2	8.3	8.3	12.5	12.5
80°	6.2	6.2	6.2	8.3	8.3
82.5°	6.2	6.2	4.2	6.2	6.2
85°	6.2	4.2	4.2	4.2	4.2
87.5°	4.2	4.2	2.1	2.1	2.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)