

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: P1310902

Luminaire Tested: LDSQA3D24R709035D010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310902
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-71)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D24R709035D010 3LSQCLSWWR 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , 3LSQCLSWWR 1MW TF
Light Source: -
Ballast/Driver: -

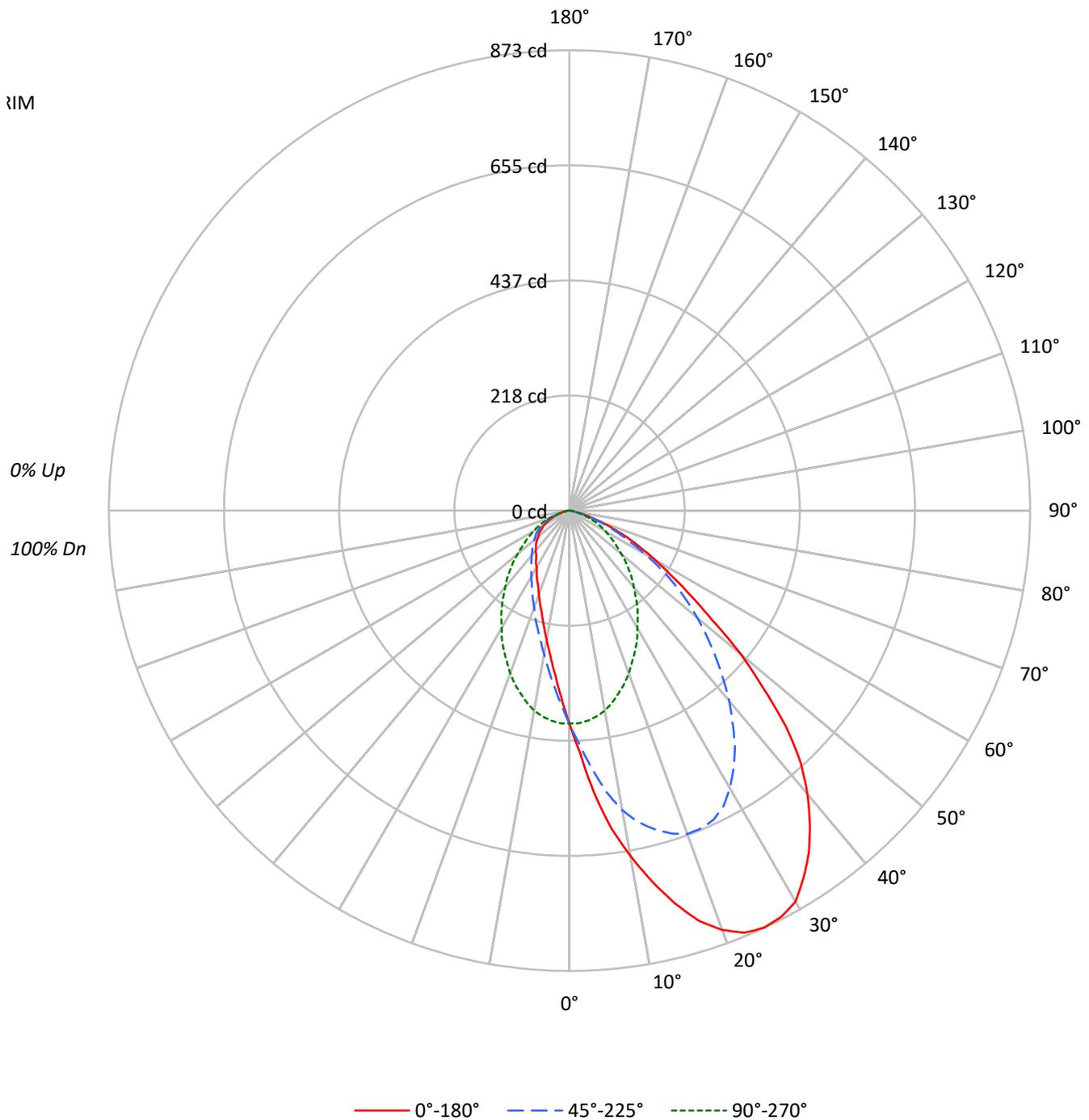
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 986.0 lumens
Efficiency: N/A
Efficacy: 34.2 lumens/watt
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	88		
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76		
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	66		
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	58		
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	51		
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	45		
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40		
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	36		
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	33		
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	69526	69526	69526	69526	69526
5°	93062	84953	69083	57811	53921
10°	116242	100905	67381	48494	43493
15°	137414	111597	63973	41436	35981
20°	155069	119569	60169	35867	31010
25°	165817	122814	55792	31772	27516
30°	170289	120831	51089	28796	24739
35°	166325	114878	47158	26575	23148
40°	157689	105891	42626	25202	22460
45°	141532	95354	38726	24332	21847
50°	113629	84666	34402	23498	20765
55°	83863	72843	30597	23270	20208
60°	64618	56868	27383	22458	19668
65°	49024	42381	24084	20783	17442
70°	32831	29760	18480	18480	14351
75°	17634	17634	12177	12177	10846
80°	4066	8133	6050	8133	10116
85°	0	3952	3952	8102	8102

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 141532 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.8	4.0
10°-20°	121.0	12.3
20°-30°	186.5	18.9
30°-40°	211.7	21.5
40°-50°	191.5	19.4
50°-60°	133.9	13.6
60°-70°	73.6	7.5
70°-80°	24.6	2.5
80°-90°	3.2	0.3
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°	347.4	35.2
0°-40°	559.0	56.7
0°-60°	884.5	89.7
0°-90°	986.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	986.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	404	404	404	404	404	
5°	538	491	400	334	312	55
15°	771	626	359	232	202	220
25°	873	646	294	167	145	400
35°	791	546	224	126	110	492
45°	581	392	159	100	90	440
55°	279	243	102	78	67	257
65°	120	104	59	51	43	120
75°	26	26	18	18	16	30
85°	0	2	2	4	4	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7
2.5°	460.8	464.9	466.9	462.8	460.8	458.7	454.7	452.6	448.6	444.5	442.4
5°	538.3	538.3	538.3	534.2	528.1	524.0	515.8	509.7	499.5	491.4	483.2
7.5°	607.6	607.6	605.5	599.4	595.3	585.2	575.0	566.8	550.5	538.3	522.0
10°	664.7	664.7	662.6	652.4	646.3	634.1	623.9	609.6	593.3	577.0	558.6
12.5°	719.7	719.7	711.6	703.4	691.2	674.9	660.6	646.3	623.9	605.5	583.1
15°	770.7	770.7	766.6	752.3	736.0	717.7	697.3	676.9	650.4	625.9	601.5
17.5°	815.5	813.5	807.4	791.1	774.8	752.3	727.9	703.4	670.8	642.2	611.7
20°	846.1	846.1	838.0	819.6	801.3	776.8	750.3	721.8	687.1	652.4	615.7
22.5°	866.5	864.5	856.3	838.0	815.5	791.1	760.5	729.9	691.2	652.4	613.7
25°	872.6	870.6	862.4	842.1	819.6	793.1	760.5	727.9	687.1	646.3	603.5
27.5°	868.6	866.5	858.4	835.9	813.5	782.9	750.3	715.6	674.9	632.0	589.2
30°	856.3	850.2	842.1	821.7	797.2	766.6	732.0	693.2	652.4	607.6	564.8
32.5°	825.7	825.7	815.5	795.2	770.7	738.1	703.4	666.7	621.9	579.0	534.2
35°	791.1	789.0	780.9	758.5	736.0	705.4	670.8	632.0	589.2	546.4	503.6
37.5°	748.3	746.2	738.1	717.7	693.2	664.7	628.0	591.3	550.5	507.7	468.9
40°	701.4	697.3	687.1	670.8	650.4	617.8	585.2	548.5	509.7	471.0	432.2
42.5°	648.4	644.3	636.1	623.9	599.4	570.9	540.3	505.6	468.9	430.2	401.7
45°	581.1	581.1	577.0	564.8	546.4	524.0	491.4	460.8	426.1	391.5	360.9
47.5°	497.5	501.6	499.5	493.4	485.3	464.9	442.4	415.9	383.3	352.7	324.2
50°	424.1	426.1	428.2	424.1	418.0	403.7	389.4	373.1	344.6	316.0	289.5
52.5°	340.5	346.6	346.6	348.6	348.6	344.6	340.5	322.1	307.9	279.3	254.9
55°	279.3	279.3	279.3	283.4	285.4	287.5	283.4	279.3	263.0	242.6	220.2
57.5°	228.4	228.4	232.4	230.4	230.4	234.5	234.5	232.4	222.2	203.9	183.5
60°	187.6	187.6	187.6	187.6	189.6	189.6	189.6	189.6	181.5	165.1	148.8
62.5°	150.9	150.9	150.9	152.9	152.9	152.9	155.0	152.9	144.8	132.5	118.3
65°	120.3	118.3	120.3	120.3	122.3	122.3	122.3	120.3	112.1	104.0	93.8
67.5°	89.7	91.7	91.7	91.7	93.8	95.8	93.8	91.7	85.6	77.5	73.4
70°	65.2	67.3	67.3	67.3	69.3	71.4	69.3	67.3	63.2	59.1	55.0
72.5°	42.8	44.9	44.9	46.9	48.9	48.9	46.9	46.9	44.9	40.8	38.7
75°	26.5	26.5	28.5	28.5	30.6	30.6	30.6	28.5	28.5	26.5	26.5
77.5°	12.2	12.2	14.3	14.3	14.3	16.3	16.3	16.3	16.3	16.3	14.3
80°	4.1	4.1	4.1	4.1	4.1	6.1	6.1	6.1	8.2	8.2	8.2
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.1	4.1	4.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	403.7	403.7	403.7	403.7	403.7	403.7	403.7	403.7
2.5°	438.4	432.2	424.1	403.7	383.3	367.0	356.8	354.8
5°	473.0	462.8	444.5	399.6	362.9	334.4	318.1	311.9
7.5°	507.7	489.3	462.8	393.5	338.5	303.8	285.4	277.3
10°	536.2	513.8	479.1	385.3	318.1	277.3	254.9	248.7
12.5°	558.6	532.1	489.3	373.1	297.7	252.8	230.4	224.3
15°	572.9	544.4	495.4	358.8	277.3	232.4	210.0	201.8
17.5°	579.0	544.4	493.4	344.6	258.9	214.1	191.7	185.5
20°	579.0	540.3	487.3	328.3	240.6	195.7	175.3	169.2
22.5°	572.9	532.1	473.0	309.9	224.3	181.5	161.1	155.0
25°	560.7	515.8	456.7	293.6	208.0	167.2	148.8	144.8
27.5°	542.3	497.5	436.3	277.3	193.7	155.0	138.6	134.6
30°	519.9	475.1	413.9	256.9	179.4	144.8	130.5	124.4
32.5°	491.4	448.6	389.4	240.6	167.2	134.6	122.3	118.3
35°	460.8	422.0	362.9	224.3	155.0	126.4	114.2	110.1
37.5°	430.2	389.4	340.5	205.9	144.8	118.3	108.1	104.0
40°	397.6	367.0	316.0	189.6	136.6	112.1	101.9	99.9
42.5°	365.0	332.3	281.4	175.3	126.4	104.0	95.8	93.8
45°	326.2	295.6	254.9	159.0	118.3	99.9	91.7	89.7
47.5°	293.6	265.1	228.4	144.8	110.1	93.8	85.6	83.6
50°	263.0	234.5	199.8	128.4	101.9	87.7	81.6	77.5
52.5°	228.4	203.9	173.3	114.2	93.8	81.6	75.4	73.4
55°	197.8	173.3	144.8	101.9	85.6	77.5	69.3	67.3
57.5°	163.1	142.7	122.3	89.7	77.5	69.3	65.2	61.2
60°	132.5	118.3	104.0	79.5	69.3	65.2	59.1	57.1
62.5°	108.1	97.9	87.7	69.3	61.2	57.1	53.0	48.9
65°	85.6	79.5	71.4	59.1	53.0	51.0	46.9	42.8
67.5°	67.3	63.2	57.1	46.9	44.9	42.8	38.7	34.7
70°	51.0	48.9	44.9	36.7	34.7	36.7	32.6	28.5
72.5°	36.7	34.7	32.6	26.5	26.5	26.5	24.5	20.4
75°	24.5	22.4	20.4	18.3	18.3	18.3	18.3	16.3
77.5°	14.3	14.3	12.2	10.2	12.2	12.2	14.3	14.3
80°	6.1	6.1	6.1	6.1	8.2	8.2	10.2	10.2
82.5°	4.1	4.1	4.1	4.1	6.1	6.1	6.1	6.1
85°	2.0	2.0	2.0	2.0	2.0	4.1	4.1	4.1
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)