

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: P1309784

Luminaire Tested: LDSQA3D24R709030D010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309784
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: LDSQA3D24R709030D010 3LSQCLSWWR 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , 3LSQCLSWWR 1MW TF
Light Source: -
Ballast/Driver: -

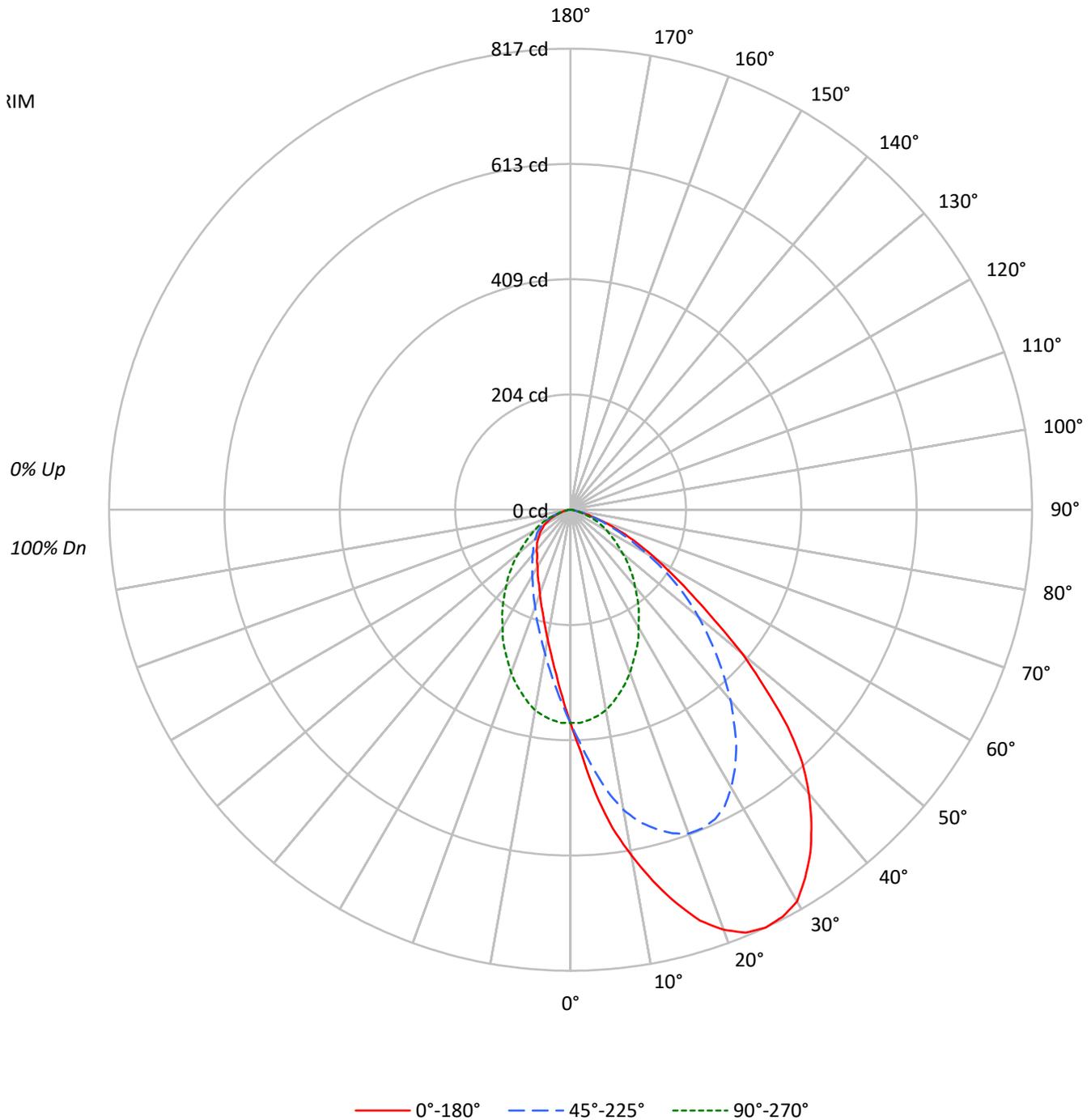
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 923.0 lumens
Efficiency: N/A
Efficacy: 32.0 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	0
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°	65083	65083	65083	65083	65083
5°	87114	79525	64675	54112	50481
10°	108810	94452	63079	45399	40712
15°	128624	104465	59890	38798	33698
20°	145173	111945	56321	33576	29031
25°	155233	114966	52219	29739	25749
30°	159411	113115	47827	26946	23148
35°	155686	107540	44130	24872	21676
40°	147617	99123	39906	23606	21021
45°	132472	89265	36266	22773	20459
50°	106369	79254	32205	21997	19425
55°	78518	68189	28645	21769	18916
60°	60485	53251	25627	21046	18393
65°	45886	39651	22535	19438	16341
70°	30767	27846	17322	17322	13445
75°	16502	16502	11445	11445	10181
80°	3769	7538	5653	7538	9422
85°	0	3754	3754	7509	7509

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 132472 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.3	4.0
10°-20°	113.3	12.3
20°-30°	174.6	18.9
30°-40°	198.1	21.5
40°-50°	179.3	19.4
50°-60°	125.4	13.6
60°-70°	68.9	7.5
70°-80°	23.1	2.5
80°-90°	3.0	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°	325.2	35.2
0°-40°	523.3	56.7
0°-60°	828.0	89.7
0°-90°	923.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	923.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	378	378	378	378	378	
5°	504	460	374	313	292	52
15°	721	586	336	218	189	206
25°	817	605	275	156	136	375
35°	740	512	210	118	103	460
45°	544	366	149	94	84	412
55°	262	227	95	72	63	240
65°	113	97	55	48	40	112
75°	25	25	17	17	15	29
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°	377.9	377.9	377.9	377.9	377.9	377.9	377.9	377.9	377.9	377.9	377.9
2.5°	431.3	435.2	437.1	433.3	431.3	429.4	425.6	423.7	419.9	416.1	414.2
5°	503.9	503.9	503.9	500.1	494.3	490.5	482.9	477.1	467.6	460.0	452.3
7.5°	568.8	568.8	566.9	561.1	557.3	547.8	538.2	530.6	515.3	503.9	488.6
10°	622.2	622.2	620.3	610.8	605.0	593.6	584.0	570.7	555.4	540.1	523.0
12.5°	673.7	673.7	666.1	658.5	647.0	631.7	618.4	605.0	584.0	566.9	545.9
15°	721.4	721.4	717.6	704.3	689.0	671.8	652.7	633.7	608.8	585.9	563.0
17.5°	763.4	761.5	755.8	740.5	725.3	704.3	681.4	658.5	627.9	601.2	572.6
20°	792.1	792.1	784.4	767.3	750.1	727.2	702.4	675.6	643.2	610.8	576.4
22.5°	811.2	809.2	801.6	784.4	763.4	740.5	711.9	683.3	647.0	610.8	574.5
25°	816.9	815.0	807.3	788.3	767.3	742.4	711.9	681.4	643.2	605.0	564.9
27.5°	813.1	811.2	803.5	782.5	761.5	732.9	702.4	669.9	631.7	591.7	551.6
30°	801.6	795.9	788.3	769.2	746.3	717.6	685.2	648.9	610.8	568.8	528.7
32.5°	773.0	773.0	763.4	744.4	721.4	690.9	658.5	624.1	582.1	542.0	500.1
35°	740.5	738.6	731.0	710.0	689.0	660.4	627.9	591.7	551.6	511.5	471.4
37.5°	700.5	698.5	690.9	671.8	648.9	622.2	587.8	553.5	515.3	475.2	439.0
40°	656.6	652.7	643.2	627.9	608.8	578.3	547.8	513.4	477.1	440.9	404.6
42.5°	606.9	603.1	595.5	584.0	561.1	534.4	505.8	473.3	439.0	402.7	376.0
45°	543.9	543.9	540.1	528.7	511.5	490.5	460.0	431.3	398.9	366.5	337.8
47.5°	465.7	469.5	467.6	461.9	454.2	435.2	414.2	389.4	358.8	330.2	303.5
50°	397.0	398.9	400.8	397.0	391.3	377.9	364.5	349.3	322.6	295.8	271.0
52.5°	318.7	324.5	324.5	326.4	326.4	322.6	318.7	301.6	288.2	261.5	238.6
55°	261.5	261.5	261.5	265.3	267.2	269.1	265.3	261.5	246.2	227.1	206.1
57.5°	213.8	213.8	217.6	215.7	215.7	219.5	219.5	217.6	208.0	190.9	171.8
60°	175.6	175.6	175.6	175.6	177.5	177.5	177.5	177.5	169.9	154.6	139.3
62.5°	141.2	141.2	141.2	143.1	143.1	143.1	145.1	143.1	135.5	124.1	110.7
65°	112.6	110.7	112.6	112.6	114.5	114.5	114.5	112.6	105.0	97.3	87.8
67.5°	84.0	85.9	85.9	85.9	87.8	89.7	87.8	85.9	80.2	72.5	68.7
70°	61.1	63.0	63.0	63.0	64.9	66.8	64.9	63.0	59.2	55.3	51.5
72.5°	40.1	42.0	42.0	43.9	45.8	45.8	43.9	43.9	42.0	38.2	36.3
75°	24.8	24.8	26.7	26.7	28.6	28.6	28.6	26.7	26.7	24.8	24.8
77.5°	11.5	11.5	13.4	13.4	13.4	15.3	15.3	15.3	15.3	15.3	13.4
80°	3.8	3.8	3.8	3.8	3.8	5.7	5.7	5.7	7.6	7.6	7.6
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8	3.8	3.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9
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°	377.9	377.9	377.9	377.9	377.9	377.9	377.9	377.9
2.5°	410.3	404.6	397.0	377.9	358.8	343.5	334.0	332.1
5°	442.8	433.3	416.1	374.1	339.7	313.0	297.7	292.0
7.5°	475.2	458.1	433.3	368.4	316.8	284.4	267.2	259.6
10°	502.0	481.0	448.5	360.7	297.7	259.6	238.6	232.8
12.5°	523.0	498.1	458.1	349.3	278.7	236.7	215.7	209.9
15°	536.3	509.6	463.8	335.9	259.6	217.6	196.6	189.0
17.5°	542.0	509.6	461.9	322.6	242.4	200.4	179.4	173.7
20°	542.0	505.8	456.2	307.3	225.2	183.2	164.1	158.4
22.5°	536.3	498.1	442.8	290.1	209.9	169.9	150.8	145.1
25°	524.9	482.9	427.5	274.8	194.7	156.5	139.3	135.5
27.5°	507.7	465.7	408.4	259.6	181.3	145.1	129.8	126.0
30°	486.7	444.7	387.4	240.5	168.0	135.5	122.2	116.4
32.5°	460.0	419.9	364.5	225.2	156.5	126.0	114.5	110.7
35°	431.3	395.1	339.7	209.9	145.1	118.3	106.9	103.1
37.5°	402.7	364.5	318.7	192.8	135.5	110.7	101.2	97.3
40°	372.2	343.5	295.8	177.5	127.9	105.0	95.4	93.5
42.5°	341.6	311.1	263.4	164.1	118.3	97.3	89.7	87.8
45°	305.4	276.7	238.6	148.9	110.7	93.5	85.9	84.0
47.5°	274.8	248.1	213.8	135.5	103.1	87.8	80.2	78.3
50°	246.2	219.5	187.0	120.2	95.4	82.1	76.3	72.5
52.5°	213.8	190.9	162.2	106.9	87.8	76.3	70.6	68.7
55°	185.1	162.2	135.5	95.4	80.2	72.5	64.9	63.0
57.5°	152.7	133.6	114.5	84.0	72.5	64.9	61.1	57.3
60°	124.1	110.7	97.3	74.4	64.9	61.1	55.3	53.4
62.5°	101.2	91.6	82.1	64.9	57.3	53.4	49.6	45.8
65°	80.2	74.4	66.8	55.3	49.6	47.7	43.9	40.1
67.5°	63.0	59.2	53.4	43.9	42.0	40.1	36.3	32.4
70°	47.7	45.8	42.0	34.4	32.4	34.4	30.5	26.7
72.5°	34.4	32.4	30.5	24.8	24.8	24.8	22.9	19.1
75°	22.9	21.0	19.1	17.2	17.2	17.2	17.2	15.3
77.5°	13.4	13.4	11.5	9.5	11.5	11.5	13.4	13.4
80°	5.7	5.7	5.7	5.7	7.6	7.6	9.5	9.5
82.5°	3.8	3.8	3.8	3.8	5.7	5.7	5.7	5.7
85°	1.9	1.9	1.9	1.9	1.9	3.8	3.8	3.8
87.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)