

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: P1312019

Luminaire Tested: LDSQA3D24R709040D010 3LSQCLSWWR 1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312019  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-72)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D24R709040D010 3LSQCLSWWR 1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , 3LSQCLSWWR 1MMS T  
Light Source: -  
Ballast/Driver: -

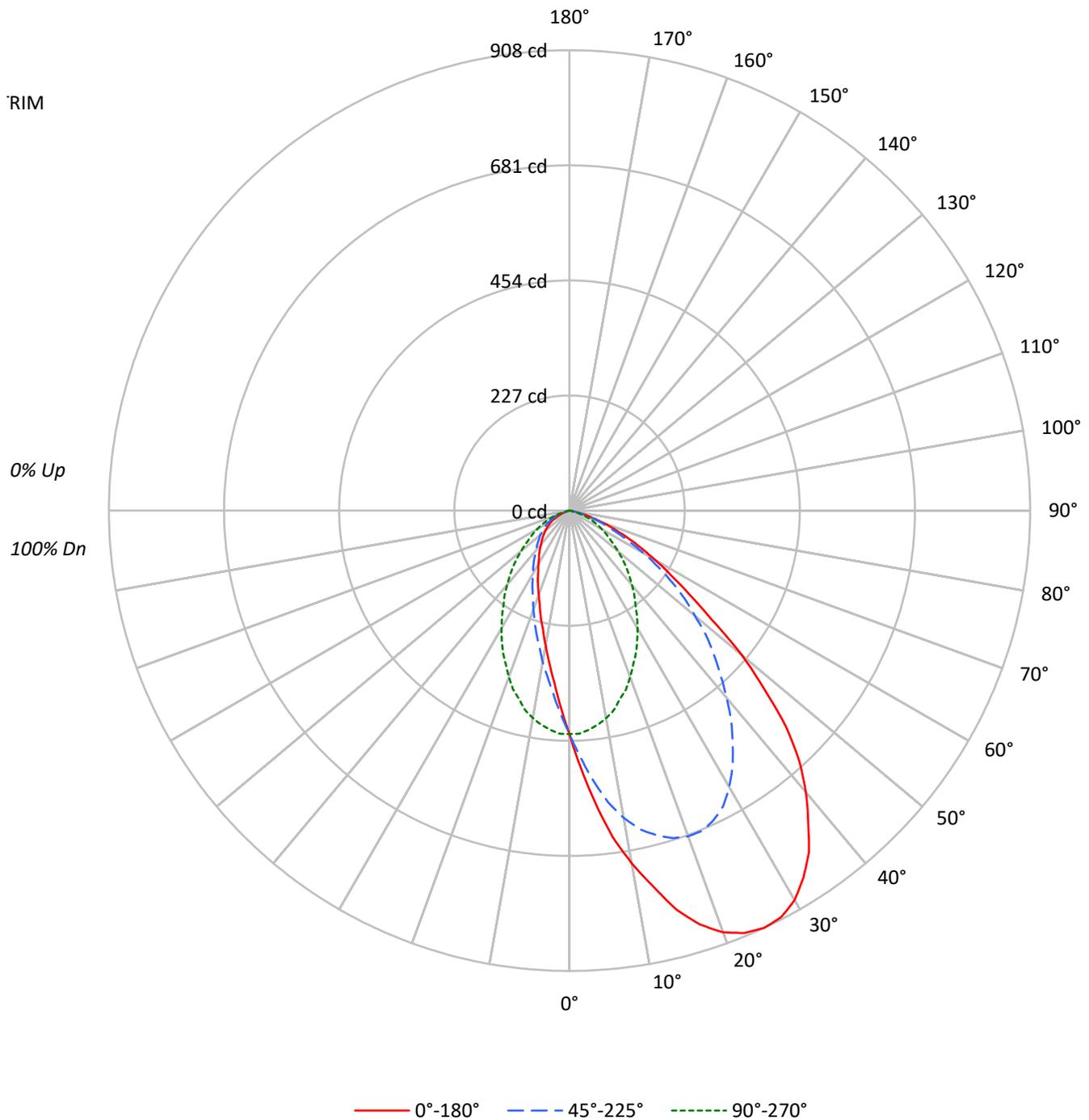
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 988.0 lumens  
Efficiency: N/A  
Efficacy: 34.3 lumens/watt  
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29  
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<sub>in</sub>): 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	100	100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89	89	89
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77	77	77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67	67	67
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59	59	59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52	52	52
6	75	64	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46	46	46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42	42	42
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	38	38	38
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34	34	34
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31	31	31

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	75864	75864	75864	75864	75864
5°	99856	92318	75065	62859	58918
10°	123535	107551	72680	53058	47235
15°	145224	118176	68538	44824	38905
20°	162217	125287	63981	38085	32366
25°	172544	127926	58832	32780	28029
30°	176434	125206	53296	28517	24381
35°	172990	117947	47620	25776	21844
40°	163017	108364	42986	23359	19627
45°	147256	98179	38458	21263	18218
50°	119122	86301	33411	20041	16692
55°	86715	74255	28705	18706	14983
60°	67270	58693	25765	17188	13606
65°	50817	42341	21150	15241	10147
70°	35550	30364	15711	11531	6294
75°	20761	17966	8318	5523	1397
80°	4166	6149	2083	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 147256 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.1	4.4
10°-20°	128.4	13.0
20°-30°	193.5	19.6
30°-40°	215.1	21.8
40°-50°	190.7	19.3
50°-60°	129.4	13.1
60°-70°	67.9	6.9
70°-80°	19.3	2.0
80°-90°	0.6	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°	365.0	36.9
0°-40°	580.2	58.7
0°-60°	900.3	91.1
0°-90°	988.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	988.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	440	440	440	440	440	
5°	578	534	434	364	341	59
15°	814	663	384	251	218	231
25°	908	673	310	172	148	417
35°	823	561	226	123	104	510
45°	605	403	158	87	75	458
55°	289	247	96	62	50	267
65°	125	104	52	37	25	126
75°	31	27	12	8	2	34
85°	0	0	0	0	0	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°	440.5	440.5	440.5	440.5	440.5	440.5	440.5	440.5	440.5	440.5	440.5
2.5°	507.0	504.9	502.8	502.8	500.7	498.7	494.5	494.5	490.3	486.2	482.0
5°	577.6	577.6	577.6	571.4	571.4	563.1	558.9	550.6	542.3	534.0	523.6
7.5°	648.3	648.3	642.0	639.9	633.7	625.4	619.2	606.7	592.2	579.7	563.1
10°	706.4	706.4	700.2	696.0	683.6	675.3	662.8	648.3	633.7	615.0	594.2
12.5°	758.4	760.5	752.1	743.8	731.4	718.9	702.3	683.6	664.9	644.1	617.1
15°	814.5	812.4	802.0	791.6	777.1	758.4	737.6	712.7	687.7	662.8	633.7
17.5°	856.0	854.0	843.6	831.1	812.4	789.5	766.7	737.6	708.5	677.3	642.0
20°	885.1	883.0	872.7	856.0	837.3	812.4	785.4	752.1	721.0	683.6	644.1
22.5°	901.7	899.7	887.2	872.7	849.8	822.8	793.7	758.4	723.1	683.6	639.9
25°	908.0	903.8	891.4	874.7	851.9	822.8	789.5	752.1	714.7	673.2	627.5
27.5°	903.8	899.7	885.1	866.4	841.5	808.2	775.0	737.6	698.1	656.6	608.8
30°	887.2	881.0	868.5	849.8	822.8	789.5	754.2	714.7	673.2	629.6	581.8
32.5°	858.1	854.0	841.5	820.7	793.7	760.5	725.1	683.6	642.0	598.4	550.6
35°	822.8	814.5	802.0	783.3	756.3	723.1	687.7	644.1	604.6	561.0	515.3
37.5°	772.9	770.8	756.3	741.8	714.7	679.4	646.2	604.6	565.1	523.6	477.9
40°	725.1	721.0	708.5	691.9	664.9	633.7	598.4	561.0	521.5	482.0	440.5
42.5°	671.1	664.9	656.6	639.9	615.0	583.8	550.6	513.2	477.9	440.5	403.1
45°	604.6	602.5	592.2	583.8	561.0	534.0	500.7	467.5	432.2	403.1	374.0
47.5°	519.4	517.4	515.3	509.0	496.6	477.9	452.9	421.8	394.8	365.7	326.2
50°	444.6	442.6	438.4	436.3	425.9	415.6	396.9	378.2	355.3	322.1	290.9
52.5°	353.2	355.3	361.5	363.6	361.5	353.2	344.9	338.7	307.5	286.7	257.6
55°	288.8	288.8	286.7	288.8	290.9	295.0	295.0	286.7	266.0	247.3	222.3
57.5°	236.9	236.9	236.9	236.9	236.9	238.9	238.9	236.9	226.5	207.8	184.9
60°	195.3	193.2	193.2	195.3	193.2	193.2	195.3	195.3	184.9	170.4	149.6
62.5°	157.9	157.9	157.9	155.8	155.8	157.9	157.9	155.8	147.5	133.0	118.4
65°	124.7	124.7	124.7	124.7	124.7	126.7	124.7	122.6	114.3	103.9	93.5
67.5°	95.6	95.6	97.7	95.6	97.7	97.7	97.7	93.5	87.3	79.0	72.7
70°	70.6	70.6	70.6	72.7	74.8	74.8	72.7	68.6	64.4	60.3	54.0
72.5°	47.8	49.9	49.9	49.9	51.9	51.9	49.9	47.8	45.7	41.6	39.5
75°	31.2	29.1	31.2	31.2	33.2	33.2	31.2	31.2	29.1	27.0	24.9
77.5°	14.5	14.5	16.6	16.6	16.6	16.6	16.6	16.6	16.6	14.5	14.5
80°	4.2	4.2	4.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
82.5°	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	440.5	440.5	440.5	440.5	440.5	440.5	440.5	440.5
2.5°	477.9	471.6	463.3	440.5	419.7	401.0	390.6	388.5
5°	511.1	502.8	482.0	434.2	394.8	363.6	344.9	340.8
7.5°	546.4	529.8	500.7	425.9	369.8	330.4	309.6	303.4
10°	573.5	552.7	513.2	415.6	344.9	303.4	278.4	270.1
12.5°	592.2	567.2	523.6	403.1	324.1	274.3	249.3	241.0
15°	602.5	575.5	525.7	384.4	299.2	251.4	224.4	218.2
17.5°	606.7	575.5	521.5	369.8	276.3	228.6	203.6	195.3
20°	604.6	567.2	511.1	349.1	255.6	207.8	182.8	176.6
22.5°	596.3	554.8	494.5	328.3	234.8	187.0	166.2	162.1
25°	583.8	538.1	475.8	309.6	216.1	172.5	151.7	147.5
27.5°	563.1	517.4	450.9	288.8	199.5	157.9	139.2	133.0
30°	536.1	492.4	425.9	268.0	182.8	143.4	126.7	122.6
32.5°	507.0	463.3	401.0	247.3	168.3	133.0	116.4	112.2
35°	473.7	432.2	369.8	226.5	153.8	122.6	106.0	103.9
37.5°	440.5	398.9	342.8	209.9	141.3	112.2	97.7	95.6
40°	403.1	369.8	328.3	191.2	130.9	103.9	91.4	87.3
42.5°	380.2	334.5	282.6	174.5	120.5	95.6	83.1	81.0
45°	330.4	297.1	255.6	157.9	110.1	87.3	76.9	74.8
47.5°	297.1	268.0	228.6	141.3	101.8	81.0	70.6	68.6
50°	263.9	236.9	199.5	124.7	93.5	74.8	64.4	62.3
52.5°	230.6	203.6	170.4	110.1	83.1	68.6	58.2	56.1
55°	197.4	172.5	141.3	95.6	74.8	62.3	54.0	49.9
57.5°	162.1	141.3	120.5	85.2	66.5	56.1	47.8	43.6
60°	130.9	118.4	101.8	74.8	58.2	49.9	41.6	39.5
62.5°	106.0	95.6	85.2	64.4	51.9	43.6	37.4	31.2
65°	85.2	79.0	70.6	51.9	43.6	37.4	31.2	24.9
67.5°	66.5	62.3	56.1	43.6	35.3	31.2	22.9	18.7
70°	51.9	47.8	43.6	31.2	27.0	22.9	16.6	12.5
72.5°	37.4	33.2	31.2	22.9	18.7	16.6	10.4	6.2
75°	22.9	22.9	18.7	12.5	10.4	8.3	4.2	2.1
77.5°	12.5	12.5	10.4	6.2	6.2	2.1	0.0	0.0
80°	6.2	4.2	4.2	2.1	2.1	0.0	0.0	0.0
82.5°	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	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

(END OF REPORT)