

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: P1316984

Luminaire Tested: LDSQA3D20R709740D010 3LSQCLSWWR 1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316984  
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: LDSQA3D20R709740D010 3LSQCLSWWR 1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , 3LSQCLSWWR 1MMS T  
Light Source: -  
Ballast/Driver: -

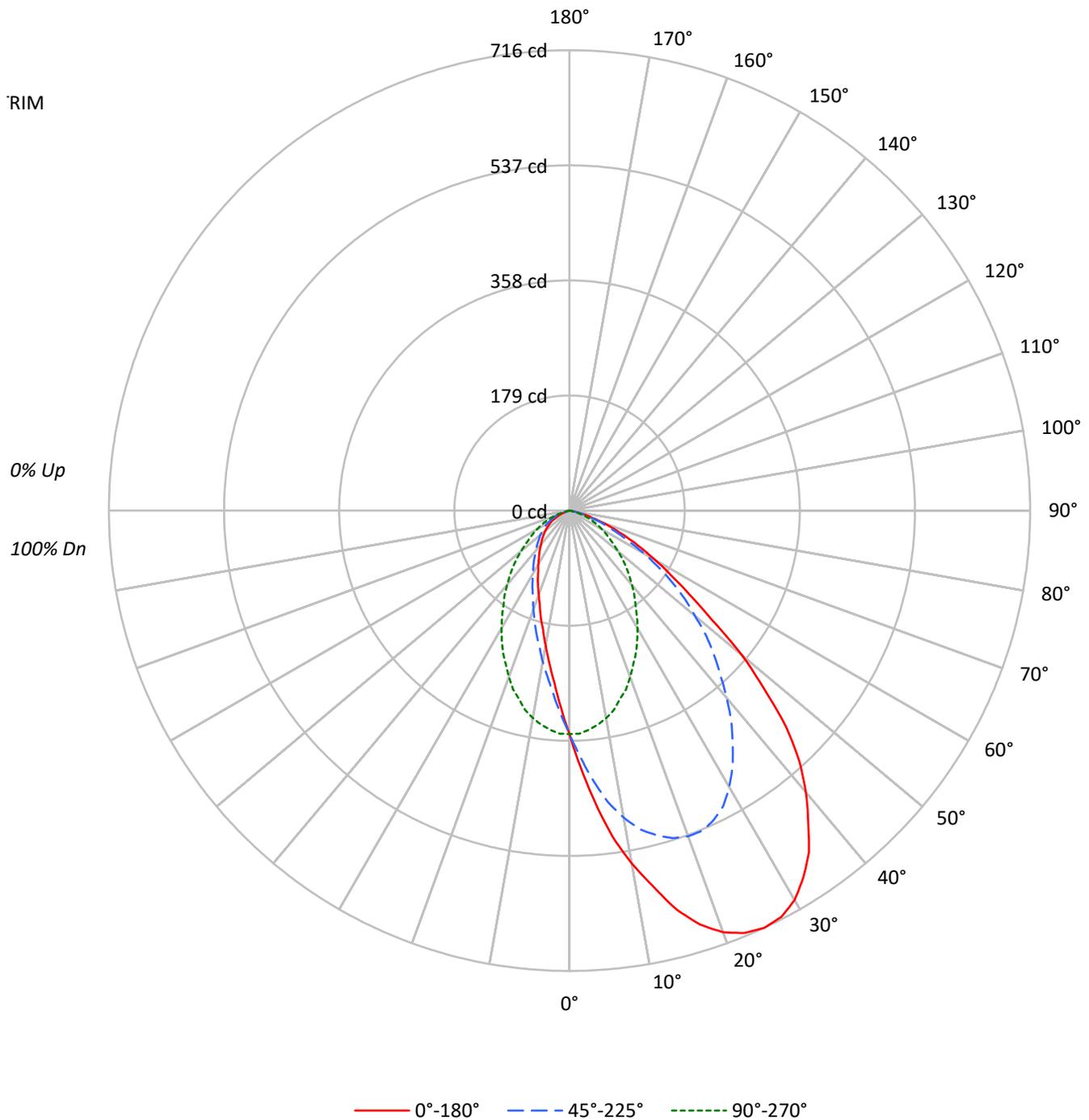
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 779.0 lumens  
Efficiency: N/A  
Efficacy: 27.0 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	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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	90	90	90	89
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	79	79	79	77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	69	69	69	67
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	61	61	61	59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	54	54	54	52
6	75	64	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	48	48	48	46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	43	43	43	42
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	39	39	39	38
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	36	36	36	34
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	33	33	33	31

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

	0°	45°	90°	135°	180°
0°	59813	59813	59813	59813	59813
5°	78730	72783	59194	49565	46453
10°	97408	84799	57291	41831	37249
15°	114503	93179	54042	35339	30667
20°	127908	98785	50437	30021	25512
25°	136040	100866	46386	25844	22100
30°	139106	98717	42020	22472	19230
35°	136386	92991	37550	20331	17219
40°	128530	85454	33880	18413	15468
45°	116105	77403	30323	16757	14370
50°	93937	68028	26338	15808	13155
55°	68369	58521	22640	14743	11800
60°	53045	46259	20322	13537	10712
65°	40059	33375	16708	12022	8028
70°	28047	23918	12387	9064	4935
75°	16369	14173	6521	4392	1065
80°	3273	4860	1587	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 116105 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	34.0	4.4
10°-20°	101.3	13.0
20°-30°	152.6	19.6
30°-40°	169.6	21.8
40°-50°	150.3	19.3
50°-60°	102.1	13.1
60°-70°	53.5	6.9
70°-80°	15.2	1.9
80°-90°	0.4	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°	287.8	36.9
0°-40°	457.4	58.7
0°-60°	709.8	91.1
0°-90°	779.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	779.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	347	347	347	347	347	
5°	455	421	342	287	269	47
15°	642	523	303	198	172	182
25°	716	531	244	136	116	328
35°	649	442	179	97	82	402
45°	477	318	124	69	59	361
55°	228	195	75	49	39	210
65°	98	82	41	30	20	99
75°	25	21	10	7	2	27
85°	0	0	0	0	0	0
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°	347.3	347.3	347.3	347.3	347.3	347.3	347.3	347.3	347.3	347.3	347.3
2.5°	399.7	398.1	396.5	396.5	394.8	393.2	389.9	389.9	386.6	383.3	380.1
5°	455.4	455.4	455.4	450.5	450.5	444.0	440.7	434.1	427.6	421.0	412.8
7.5°	511.1	511.1	506.2	504.6	499.7	493.1	488.2	478.4	466.9	457.1	444.0
10°	557.0	557.0	552.1	548.8	539.0	532.4	522.6	511.1	499.7	484.9	468.5
12.5°	598.0	599.6	593.0	586.5	576.7	566.8	553.7	539.0	524.2	507.9	486.6
15°	642.2	640.5	632.4	624.2	612.7	598.0	581.6	561.9	542.3	522.6	499.7
17.5°	674.9	673.3	665.1	655.3	640.5	622.5	604.5	581.6	558.6	534.1	506.2
20°	697.9	696.2	688.1	674.9	660.2	640.5	619.2	593.0	568.5	539.0	507.9
22.5°	711.0	709.4	699.5	688.1	670.0	648.7	625.8	598.0	570.1	539.0	504.6
25°	715.9	712.6	702.8	689.7	671.7	648.7	622.5	593.0	563.5	530.8	494.7
27.5°	712.6	709.4	697.9	683.1	663.5	637.3	611.1	581.6	550.4	517.7	480.0
30°	699.5	694.6	684.8	670.0	648.7	622.5	594.7	563.5	530.8	496.4	458.7
32.5°	676.6	673.3	663.5	647.1	625.8	599.6	571.7	539.0	506.2	471.8	434.1
35°	648.7	642.2	632.4	617.6	596.3	570.1	542.3	507.9	476.7	442.3	406.3
37.5°	609.4	607.8	596.3	584.8	563.5	535.7	509.5	476.7	445.6	412.8	376.8
40°	571.7	568.5	558.6	545.5	524.2	499.7	471.8	442.3	411.2	380.1	347.3
42.5°	529.1	524.2	517.7	504.6	484.9	460.3	434.1	404.6	376.8	347.3	317.8
45°	476.7	475.1	466.9	460.3	442.3	421.0	394.8	368.6	340.8	317.8	294.9
47.5°	409.6	407.9	406.3	401.4	391.5	376.8	357.1	332.6	311.3	288.3	257.2
50°	350.6	348.9	345.7	344.0	335.8	327.6	312.9	298.2	280.1	253.9	229.4
52.5°	278.5	280.1	285.1	286.7	285.1	278.5	271.9	267.0	242.5	226.1	203.1
55°	227.7	227.7	226.1	227.7	229.4	232.6	232.6	226.1	209.7	194.9	175.3
57.5°	186.8	186.8	186.8	186.8	186.8	188.4	188.4	186.8	178.6	163.8	145.8
60°	154.0	152.4	152.4	154.0	152.4	152.4	154.0	154.0	145.8	134.3	118.0
62.5°	124.5	124.5	124.5	122.9	122.9	124.5	124.5	122.9	116.3	104.8	93.4
65°	98.3	98.3	98.3	98.3	98.3	99.9	98.3	96.7	90.1	81.9	73.7
67.5°	75.4	75.4	77.0	75.4	77.0	77.0	77.0	73.7	68.8	62.3	57.3
70°	55.7	55.7	55.7	57.3	59.0	59.0	57.3	54.1	50.8	47.5	42.6
72.5°	37.7	39.3	39.3	39.3	41.0	41.0	39.3	37.7	36.0	32.8	31.1
75°	24.6	22.9	24.6	24.6	26.2	26.2	24.6	24.6	22.9	21.3	19.7
77.5°	11.5	11.5	13.1	13.1	13.1	13.1	13.1	13.1	13.1	11.5	11.5
80°	3.3	3.3	3.3	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
82.5°	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
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°	347.3	347.3	347.3	347.3	347.3	347.3	347.3	347.3
2.5°	376.8	371.9	365.3	347.3	330.9	316.2	308.0	306.3
5°	403.0	396.5	380.1	342.4	311.3	286.7	271.9	268.7
7.5°	430.9	417.7	394.8	335.8	291.6	260.5	244.1	239.2
10°	452.2	435.8	404.6	327.6	271.9	239.2	219.5	213.0
12.5°	466.9	447.2	412.8	317.8	255.6	216.2	196.6	190.0
15°	475.1	453.8	414.5	303.1	235.9	198.2	176.9	172.0
17.5°	478.4	453.8	411.2	291.6	217.9	180.2	160.5	154.0
20°	476.7	447.2	403.0	275.2	201.5	163.8	144.2	139.2
22.5°	470.2	437.4	389.9	258.8	185.1	147.4	131.1	127.8
25°	460.3	424.3	375.2	244.1	170.4	136.0	119.6	116.3
27.5°	444.0	407.9	355.5	227.7	157.3	124.5	109.8	104.8
30°	422.7	388.3	335.8	211.3	144.2	113.0	99.9	96.7
32.5°	399.7	365.3	316.2	194.9	132.7	104.8	91.7	88.5
35°	373.5	340.8	291.6	178.6	121.2	96.7	83.5	81.9
37.5°	347.3	314.5	270.3	165.5	111.4	88.5	77.0	75.4
40°	317.8	291.6	258.8	150.7	103.2	81.9	72.1	68.8
42.5°	299.8	263.8	222.8	137.6	95.0	75.4	65.5	63.9
45°	260.5	234.3	201.5	124.5	86.8	68.8	60.6	59.0
47.5°	234.3	211.3	180.2	111.4	80.3	63.9	55.7	54.1
50°	208.1	186.8	157.3	98.3	73.7	59.0	50.8	49.1
52.5°	181.8	160.5	134.3	86.8	65.5	54.1	45.9	44.2
55°	155.6	136.0	111.4	75.4	59.0	49.1	42.6	39.3
57.5°	127.8	111.4	95.0	67.2	52.4	44.2	37.7	34.4
60°	103.2	93.4	80.3	59.0	45.9	39.3	32.8	31.1
62.5°	83.5	75.4	67.2	50.8	41.0	34.4	29.5	24.6
65°	67.2	62.3	55.7	41.0	34.4	29.5	24.6	19.7
67.5°	52.4	49.1	44.2	34.4	27.8	24.6	18.0	14.7
70°	41.0	37.7	34.4	24.6	21.3	18.0	13.1	9.8
72.5°	29.5	26.2	24.6	18.0	14.7	13.1	8.2	4.9
75°	18.0	18.0	14.7	9.8	8.2	6.6	3.3	1.6
77.5°	9.8	9.8	8.2	4.9	4.9	1.6	0.0	0.0
80°	4.9	3.3	3.3	1.6	1.6	0.0	0.0	0.0
82.5°	1.6	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)