

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: P1318445

Luminaire Tested: LDSQA3D13R709830DE010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318445  
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: LDSQA3D13R709830DE010 3LSQCLSWWR 1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , 3LSQCLSWWR 1MW TF  
Light Source: -  
Ballast/Driver: -

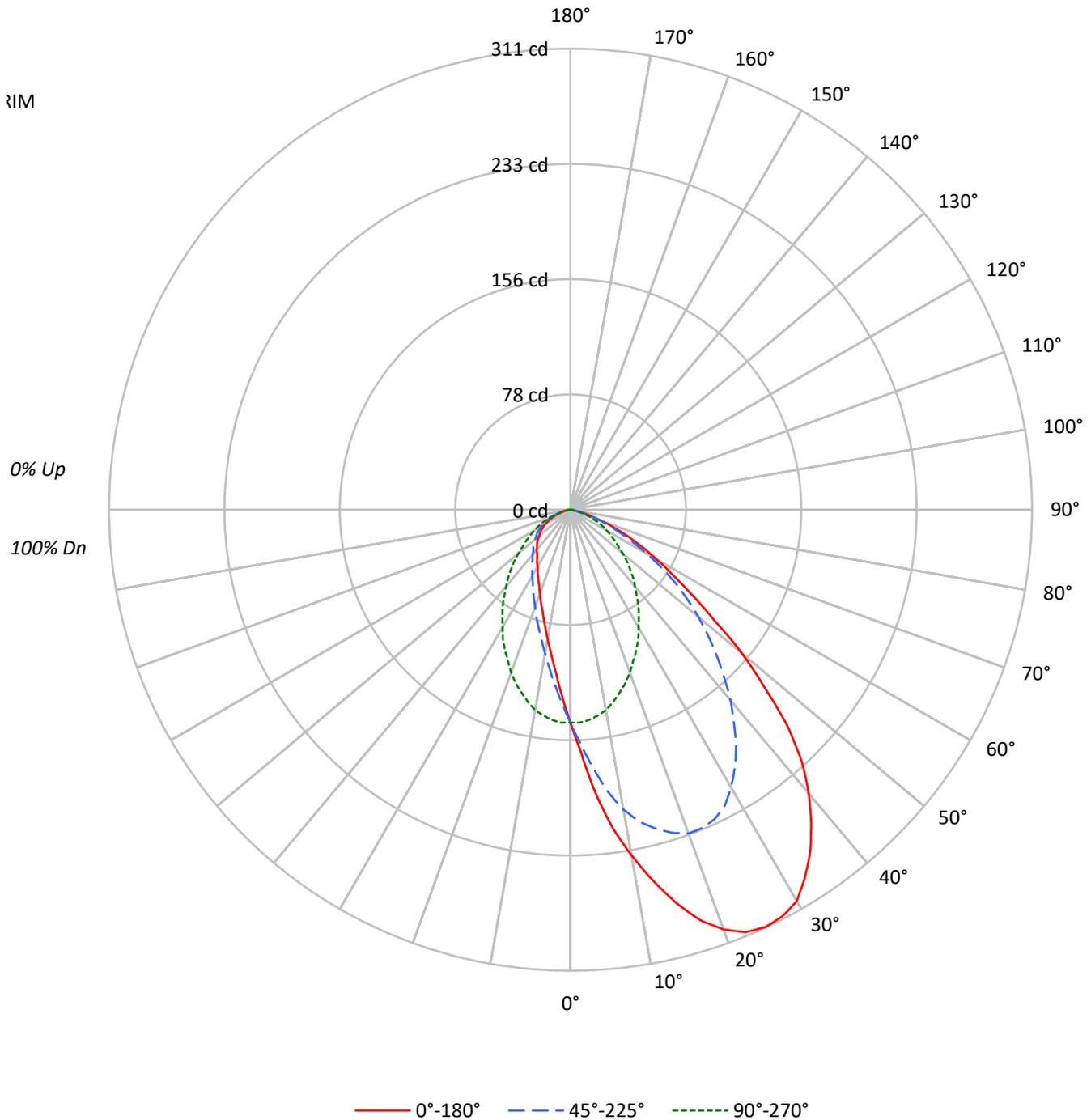
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 351.0 lumens  
Efficiency: N/A  
Efficacy: 24.2 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): 14.5  
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		
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°	24748	24748	24748	24748	24748
5°	33124	30237	24601	20573	19190
10°	41376	35920	23993	17261	15477
15°	48925	39725	22769	14745	12820
20°	55203	42575	21425	12774	11033
25°	59022	43725	19858	11307	9786
30°	60614	43015	18196	10242	8810
35°	59205	40893	16778	9461	8242
40°	56138	37702	15175	8970	8004
45°	50392	33952	13785	8671	7770
50°	40458	30142	12244	8359	7395
55°	29846	25943	10899	8287	7206
60°	23009	20253	9748	7991	6992
65°	17442	15078	8558	7376	6194
70°	11682	10574	6596	6596	5136
75°	6255	6255	4325	4325	3859
80°	1488	2876	2182	2876	3570
85°	0	1383	1383	2964	2964

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 50392 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.2	4.0
10°-20°	43.1	12.3
20°-30°	66.4	18.9
30°-40°	75.3	21.5
40°-50°	68.2	19.4
50°-60°	47.7	13.6
60°-70°	26.2	7.5
70°-80°	8.8	2.5
80°-90°	1.2	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°	123.7	35.2
0°-40°	199.0	56.7
0°-60°	314.9	89.7
0°-90°	351.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	351.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	144	144	144	144	144	
5°	192	175	142	119	111	20
15°	274	223	128	83	72	78
25°	311	230	104	60	52	143
35°	282	194	80	45	39	175
45°	207	139	57	36	32	157
55°	99	86	36	28	24	91
65°	43	37	21	18	15	43
75°	9	9	6	6	6	11
85°	0	1	1	2	2	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°	143.7	143.7	143.7	143.7	143.7	143.7	143.7	143.7	143.7	143.7	143.7
2.5°	164.0	165.5	166.2	164.8	164.0	163.3	161.9	161.1	159.7	158.2	157.5
5°	191.6	191.6	191.6	190.2	188.0	186.5	183.6	181.5	177.8	174.9	172.0
7.5°	216.3	216.3	215.6	213.4	211.9	208.3	204.7	201.8	196.0	191.6	185.8
10°	236.6	236.6	235.9	232.3	230.1	225.7	222.1	217.0	211.2	205.4	198.9
12.5°	256.2	256.2	253.3	250.4	246.0	240.2	235.2	230.1	222.1	215.6	207.6
15°	274.4	274.4	272.9	267.8	262.0	255.5	248.2	241.0	231.5	222.8	214.1
17.5°	290.3	289.6	287.4	281.6	275.8	267.8	259.1	250.4	238.8	228.6	217.7
20°	301.2	301.2	298.3	291.8	285.2	276.5	267.1	256.9	244.6	232.3	219.2
22.5°	308.5	307.7	304.8	298.3	290.3	281.6	270.7	259.8	246.0	232.3	218.5
25°	310.6	309.9	307.0	299.8	291.8	282.3	270.7	259.1	244.6	230.1	214.8
27.5°	309.2	308.5	305.6	297.6	289.6	278.7	267.1	254.8	240.2	225.0	209.8
30°	304.8	302.7	299.8	292.5	283.8	272.9	260.6	246.8	232.3	216.3	201.0
32.5°	294.0	294.0	290.3	283.1	274.4	262.7	250.4	237.3	221.4	206.1	190.2
35°	281.6	280.9	278.0	270.0	262.0	251.1	238.8	225.0	209.8	194.5	179.3
37.5°	266.4	265.6	262.7	255.5	246.8	236.6	223.5	210.5	196.0	180.7	166.9
40°	249.7	248.2	244.6	238.8	231.5	219.9	208.3	195.2	181.5	167.7	153.9
42.5°	230.8	229.4	226.5	222.1	213.4	203.2	192.3	180.0	166.9	153.1	143.0
45°	206.9	206.9	205.4	201.0	194.5	186.5	174.9	164.0	151.7	139.4	128.5
47.5°	177.1	178.5	177.8	175.6	172.7	165.5	157.5	148.1	136.5	125.6	115.4
50°	151.0	151.7	152.4	151.0	148.8	143.7	138.6	132.8	122.7	112.5	103.1
52.5°	121.2	123.4	123.4	124.1	124.1	122.7	121.2	114.7	109.6	99.4	90.7
55°	99.4	99.4	99.4	100.9	101.6	102.3	100.9	99.4	93.6	86.4	78.4
57.5°	81.3	81.3	82.7	82.0	82.0	83.5	83.5	82.7	79.1	72.6	65.3
60°	66.8	66.8	66.8	66.8	67.5	67.5	67.5	67.5	64.6	58.8	53.0
62.5°	53.7	53.7	53.7	54.4	54.4	54.4	55.2	54.4	51.5	47.2	42.1
65°	42.8	42.1	42.8	42.8	43.5	43.5	43.5	42.8	39.9	37.0	33.4
67.5°	31.9	32.7	32.7	32.7	33.4	34.1	33.4	32.7	30.5	27.6	26.1
70°	23.2	24.0	24.0	24.0	24.7	25.4	24.7	24.0	22.5	21.0	19.6
72.5°	15.2	16.0	16.0	16.7	17.4	17.4	16.7	16.7	16.0	14.5	13.8
75°	9.4	9.4	10.2	10.2	10.9	10.9	10.9	10.2	10.2	9.4	9.4
77.5°	4.4	4.4	5.1	5.1	5.1	5.8	5.8	5.8	5.8	5.8	5.1
80°	1.5	1.5	1.5	1.5	1.5	2.2	2.2	2.2	2.9	2.9	2.9
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	1.5	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
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°	143.7	143.7	143.7	143.7	143.7	143.7	143.7	143.7
2.5°	156.0	153.9	151.0	143.7	136.5	130.6	127.0	126.3
5°	168.4	164.8	158.2	142.3	129.2	119.0	113.2	111.0
7.5°	180.7	174.2	164.8	140.1	120.5	108.1	101.6	98.7
10°	190.9	182.9	170.6	137.2	113.2	98.7	90.7	88.5
12.5°	198.9	189.4	174.2	132.8	106.0	90.0	82.0	79.8
15°	204.0	193.8	176.4	127.7	98.7	82.7	74.8	71.9
17.5°	206.1	193.8	175.6	122.7	92.2	76.2	68.2	66.0
20°	206.1	192.3	173.5	116.9	85.6	69.7	62.4	60.2
22.5°	204.0	189.4	168.4	110.3	79.8	64.6	57.3	55.2
25°	199.6	183.6	162.6	104.5	74.0	59.5	53.0	51.5
27.5°	193.1	177.1	155.3	98.7	69.0	55.2	49.4	47.9
30°	185.1	169.1	147.3	91.5	63.9	51.5	46.5	44.3
32.5°	174.9	159.7	138.6	85.6	59.5	47.9	43.5	42.1
35°	164.0	150.2	129.2	79.8	55.2	45.0	40.6	39.2
37.5°	153.1	138.6	121.2	73.3	51.5	42.1	38.5	37.0
40°	141.5	130.6	112.5	67.5	48.6	39.9	36.3	35.6
42.5°	129.9	118.3	100.2	62.4	45.0	37.0	34.1	33.4
45°	116.1	105.2	90.7	56.6	42.1	35.6	32.7	31.9
47.5°	104.5	94.4	81.3	51.5	39.2	33.4	30.5	29.8
50°	93.6	83.5	71.1	45.7	36.3	31.2	29.0	27.6
52.5°	81.3	72.6	61.7	40.6	33.4	29.0	26.9	26.1
55°	70.4	61.7	51.5	36.3	30.5	27.6	24.7	24.0
57.5°	58.1	50.8	43.5	31.9	27.6	24.7	23.2	21.8
60°	47.2	42.1	37.0	28.3	24.7	23.2	21.0	20.3
62.5°	38.5	34.8	31.2	24.7	21.8	20.3	18.9	17.4
65°	30.5	28.3	25.4	21.0	18.9	18.1	16.7	15.2
67.5°	24.0	22.5	20.3	16.7	16.0	15.2	13.8	12.3
70°	18.1	17.4	16.0	13.1	12.3	13.1	11.6	10.2
72.5°	13.1	12.3	11.6	9.4	9.4	9.4	8.7	7.3
75°	8.7	8.0	7.3	6.5	6.5	6.5	6.5	5.8
77.5°	5.1	5.1	4.4	3.6	4.4	4.4	5.1	5.1
80°	2.2	2.2	2.2	2.2	2.9	2.9	3.6	3.6
82.5°	1.5	1.5	1.5	1.5	2.2	2.2	2.2	2.2
85°	0.7	0.7	0.7	0.7	0.7	1.5	1.5	1.5
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)