

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: P1320194

Luminaire Tested: LDSQA3D13R709840DE010 3LSQCLDWWR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1320194  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-45)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R709840DE010 3LSQCLDWWR1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , 3LSQCLDWWR1MW TR  
Light Source: -  
Ballast/Driver: -

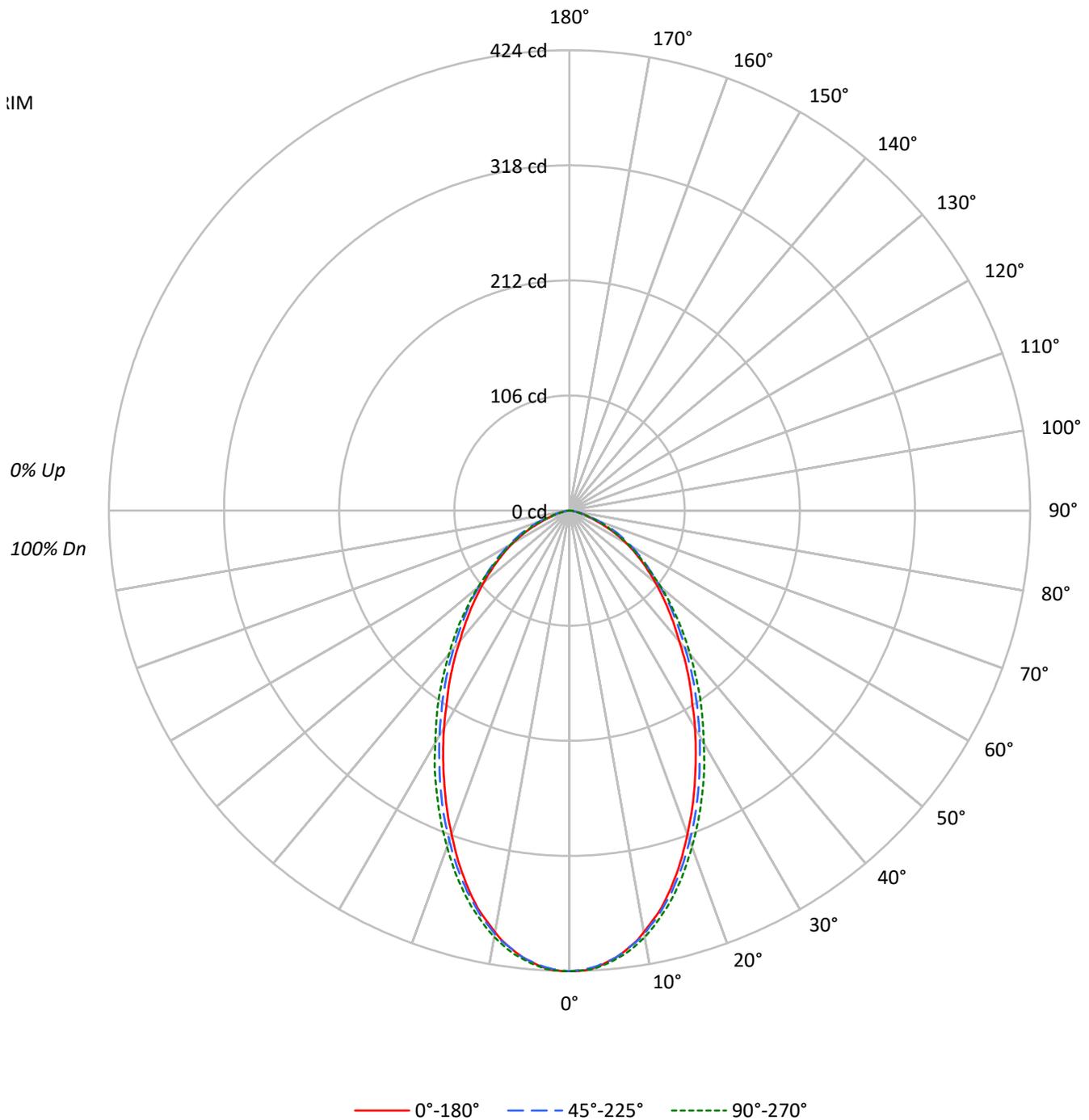
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 637.0 lumens  
Efficiency: N/A  
Efficacy: 43.9 lumens/watt  
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01  
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 (Ain): 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	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	89
2	103	96	91	86	101	95	89	85	91	87	83	88	84	81	85	82	80	78
3	95	87	80	75	93	85	79	74	82	77	73	80	75	71	77	74	70	68
4	89	78	71	65	87	77	70	65	75	69	64	73	67	63	71	66	62	61
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	54
6	77	65	58	52	75	64	57	52	63	56	51	61	55	51	60	55	51	49
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	44
8	68	56	48	43	66	55	48	43	54	47	42	53	47	42	51	46	42	40
9	64	52	44	39	62	51	44	39	50	44	39	49	43	39	48	43	39	37
10	60	48	41	36	59	48	41	36	47	40	36	46	40	36	45	40	36	34

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

	0°	45°	90°
0°	73057	73057	73057
5°	72005	72005	72281
10°	68937	69200	69742
15°	64241	64793	65614
20°	58135	59271	60389
25°	51934	53397	54861
30°	45938	47628	49140
35°	40472	42259	44025
40°	35319	37208	38782
45°	31322	33002	34123
50°	27650	29097	29499
55°	24261	25672	24982
60°	20942	22527	21493
65°	16627	19438	17564
70°	12035	15106	13193
75°	9249	9715	8185
80°	6149	6149	4562
85°	2964	2964	2964

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 34123 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.1	6.1
10°-20°	101.5	15.9
20°-30°	129.0	20.3
30°-40°	125.5	19.7
40°-50°	104.3	16.4
50°-60°	75.3	11.8
60°-70°	44.3	7.0
70°-80°	15.7	2.5
80°-90°	2.3	0.4
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°	269.6	42.3
0°-40°	395.1	62.0
0°-60°	574.7	90.2
0°-90°	637.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	637.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	424	424	424	424	424	
5°	416	416	416	416	418	39
15°	360	360	363	366	368	101
25°	273	276	281	286	289	126
35°	192	195	201	206	209	120
45°	129	131	136	139	140	99
55°	81	83	86	85	83	73
65°	41	44	48	45	43	41
75°	14	15	15	13	12	15
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	424.2	424.2	424.2	424.2	424.2
1°	424.2	423.5	423.5	423.5	424.2
2°	423.5	422.7	422.7	422.7	423.5
3°	421.9	421.2	421.2	421.2	422.7
4°	419.6	418.1	418.8	418.8	420.4
5°	416.5	415.8	416.5	416.5	418.1
6°	413.5	412.7	413.5	413.5	415.0
7°	409.6	408.8	409.6	410.4	411.9
8°	405.0	404.2	405.0	405.8	408.1
9°	400.4	399.6	401.1	401.9	403.4
10°	394.2	394.2	395.7	396.5	398.8
11°	388.0	388.0	389.6	391.1	393.4
12°	381.9	381.9	384.2	385.7	387.3
13°	375.7	375.0	377.3	378.8	381.1
14°	368.0	367.3	370.3	372.6	375.0
15°	360.3	360.3	363.4	365.7	368.0
17.5°	339.5	340.3	344.2	347.2	349.6
20°	317.2	319.5	323.4	327.2	329.5
22.5°	295.7	297.2	302.6	307.2	309.5
25°	273.3	276.4	281.0	286.4	288.7
27.5°	251.8	254.8	259.5	264.9	268.7
30°	231.0	233.3	239.5	244.8	247.1
32.5°	210.2	213.3	219.4	224.8	227.9
35°	192.5	194.8	201.0	206.3	209.4
37.5°	174.8	177.1	183.2	187.9	190.2
40°	157.1	160.9	165.5	170.2	172.5
42.5°	142.4	145.5	150.1	154.0	156.3
45°	128.6	130.9	135.5	138.6	140.1
47.5°	115.5	117.8	122.4	124.0	124.7
50°	103.2	105.5	108.6	109.3	110.1
52.5°	91.6	93.2	96.2	96.2	95.5
55°	80.8	83.2	85.5	84.7	83.2
57.5°	70.8	71.6	75.5	73.9	72.4
60°	60.8	62.4	65.4	63.9	62.4
62.5°	50.8	52.4	56.2	54.7	52.4
65°	40.8	43.9	47.7	45.4	43.1
67.5°	30.8	34.6	38.5	36.2	34.6
70°	23.9	26.9	30.0	27.7	26.2
72.5°	18.5	20.0	21.6	20.0	18.5
75°	13.9	14.6	14.6	13.1	12.3
77.5°	10.0	10.8	9.2	7.7	7.7
80°	6.2	6.9	6.2	4.6	4.6
82.5°	3.1	3.8	3.1	3.1	3.1
85°	1.5	1.5	1.5	1.5	1.5
87.5°	0.8	0.8	0.8	0.8	0.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)