

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: P1320130

Luminaire Tested: LDSQA3D13R359840DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1320130  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R359840DE010 3LSQPHRL1MMS  
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , 3LSQPHRL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

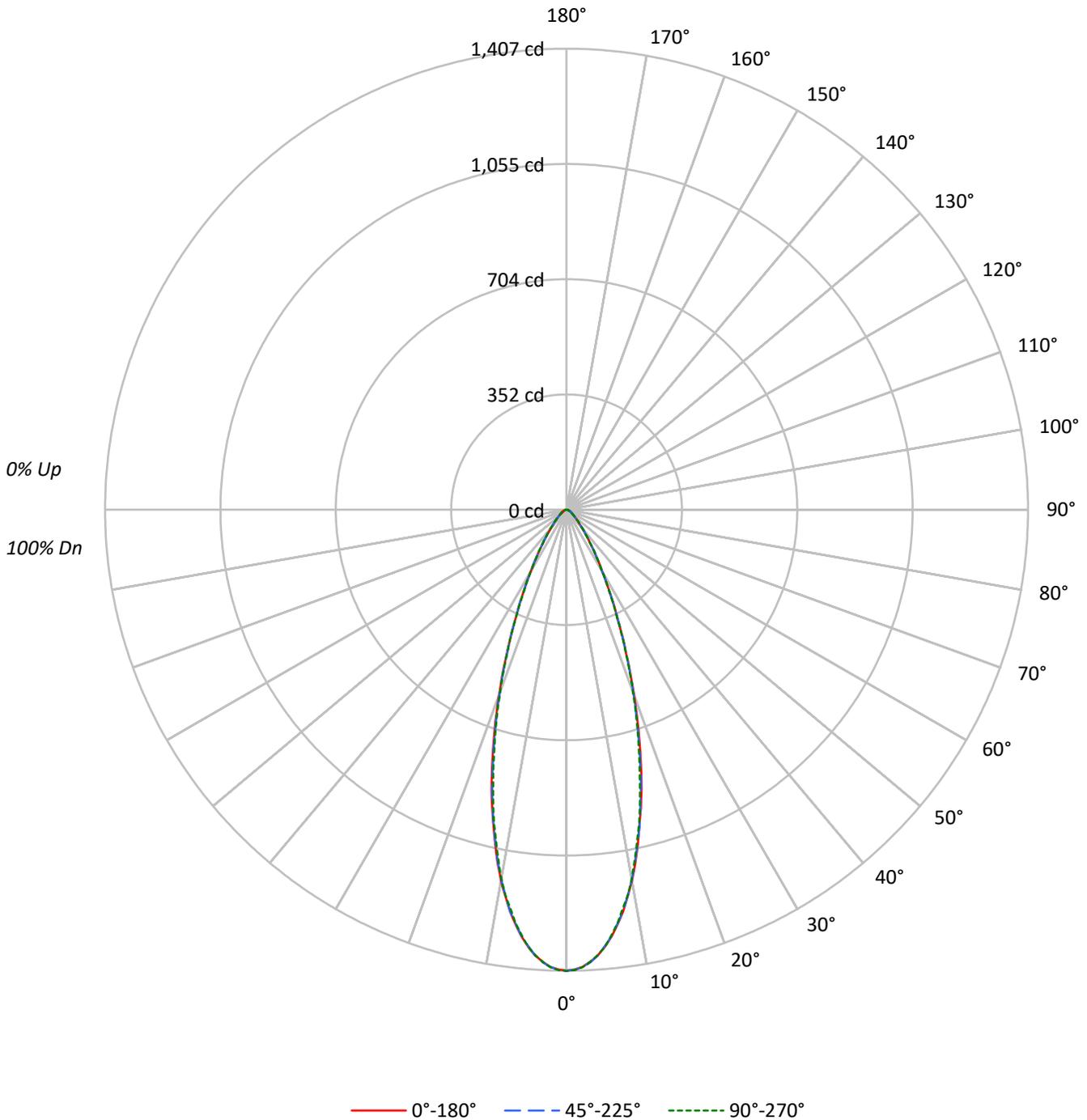
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 694.0 lumens  
Efficiency: N/A  
Efficacy: 47.9 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6  
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	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	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	95	95	94	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	89	89	87	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	83	83	82	82
4	98	91	86	82	96	90	85	81	88	84	80	86	82	79	84	81	78	78	78	77	77
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	74	74	73	73
6	90	81	76	72	88	81	75	71	79	74	71	78	74	70	76	73	70	70	70	69	69
7	86	77	72	68	85	77	71	67	75	71	67	74	70	67	73	69	66	66	66	65	65
8	82	73	68	64	81	73	68	64	72	67	64	71	67	63	70	66	63	63	63	62	62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	60	60	59	59
10	76	67	62	58	75	67	61	58	66	61	58	65	61	58	64	60	57	57	57	56	56

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

	0°	45°	90°
0°	242352	242352	242352
5°	231573	231176	231573
10°	201041	200377	200097
15°	157526	156296	153836
20°	110204	109232	108517
25°	69987	70424	69987
30°	43134	43432	43134
35°	26680	26827	26827
40°	16951	17109	17109
45°	11423	11618	11788
50°	8252	8440	8440
55°	6456	6456	6456
60°	5304	5304	5304
65°	4686	4686	4686
70°	4280	4280	4280
75°	3593	3593	3593
80°	3075	3075	3075
85°	1581	1581	2964

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 11788 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	121.6	17.5
10°-20°	239.4	34.5
20°-30°	172.8	24.9
30°-40°	83.3	12.0
40°-50°	38.4	5.5
50°-60°	19.9	2.9
60°-70°	11.5	1.7
70°-80°	5.8	0.8
80°-90°	1.4	0.2
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°	533.8	76.9
0°-40°	617.1	88.9
0°-60°	675.3	97.3
0°-90°	694.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	694.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1407	1407	1407	1407	1407	
5°	1340	1343	1337	1338	1340	122
15°	884	882	877	873	863	241
25°	368	369	371	371	368	173
35°	127	127	128	128	128	83
45°	47	48	48	48	48	38
55°	22	22	22	22	22	20
65°	12	12	12	12	12	11
75°	5	5	5	5	5	6
85°	1	1	1	1	2	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1407.2	1407.2	1407.2	1407.2	1407.2
1°	1403.4	1405.7	1404.9	1405.7	1404.9
2°	1396.5	1398.0	1396.5	1397.2	1397.2
3°	1381.8	1383.4	1383.4	1382.6	1381.8
4°	1364.2	1368.0	1364.2	1364.9	1362.6
5°	1339.5	1342.6	1337.2	1338.0	1339.5
6°	1309.6	1310.3	1308.8	1308.0	1306.5
7°	1275.0	1278.0	1272.6	1273.4	1271.9
8°	1238.0	1237.3	1237.3	1234.2	1229.6
9°	1193.4	1196.5	1191.9	1190.4	1191.1
10°	1149.6	1149.6	1145.8	1141.9	1144.2
11°	1099.6	1098.1	1095.8	1090.4	1088.9
12°	1045.0	1048.1	1041.2	1038.9	1033.5
13°	988.9	993.5	990.4	982.0	982.7
14°	936.6	933.5	931.2	929.7	924.3
15°	883.5	882.0	876.6	872.8	862.8
17.5°	738.2	739.8	729.8	728.2	724.4
20°	601.3	596.7	596.0	596.7	592.1
22.5°	474.5	479.1	473.7	474.5	471.4
25°	368.3	369.1	370.6	370.6	368.3
27.5°	286.1	286.1	284.5	286.1	283.8
30°	216.9	216.9	218.4	219.9	216.9
32.5°	167.6	167.6	167.6	168.4	169.2
35°	126.9	126.9	127.6	127.6	127.6
37.5°	97.7	98.4	99.2	99.2	99.2
40°	75.4	76.1	76.1	76.9	76.1
42.5°	60.0	60.0	60.0	60.7	60.7
45°	46.9	47.7	47.7	48.4	48.4
47.5°	38.4	38.4	38.4	39.2	39.2
50°	30.8	31.5	31.5	31.5	31.5
52.5°	25.4	25.4	26.1	26.1	26.1
55°	21.5	21.5	21.5	21.5	21.5
57.5°	17.7	18.5	18.5	18.5	18.5
60°	15.4	15.4	15.4	15.4	15.4
62.5°	13.1	13.1	13.1	13.1	13.1
65°	11.5	11.5	11.5	11.5	11.5
67.5°	9.2	10.0	10.0	10.0	10.0
70°	8.5	8.5	8.5	8.5	8.5
72.5°	6.2	6.9	6.9	6.9	6.9
75°	5.4	5.4	5.4	5.4	5.4
77.5°	4.6	3.8	3.8	3.8	4.6
80°	3.1	3.1	3.1	3.1	3.1
82.5°	2.3	2.3	2.3	2.3	2.3
85°	0.8	0.8	0.8	0.8	1.5
87.5°	0.0	0.0	0.0	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)