

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: P1314623

Luminaire Tested: LDSQA3D13R209730DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314623  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R209730DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

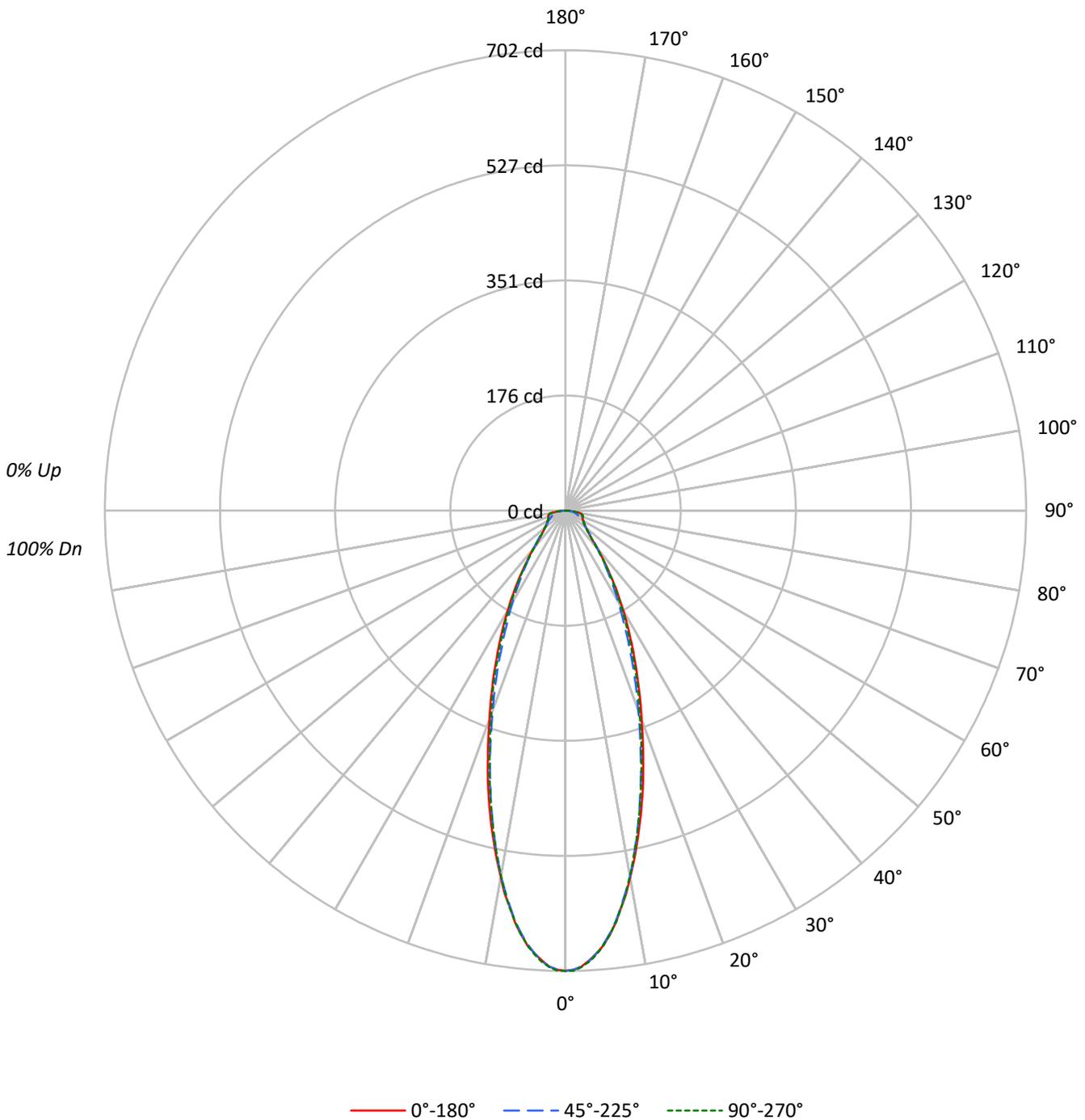
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 495.0 lumens  
Efficiency: N/A  
Efficacy: 33.9 lumens/watt  
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
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				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	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	91	91	91	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	82	82	82	80
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	74	74	74	72
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	68	68	68	66
5	87	77	70	65	85	76	70	65	74	68	64	72	67	64	71	66	63	63	63	63	61
6	82	72	65	60	81	71	65	60	69	64	59	68	63	59	67	62	59	59	59	59	57
7	78	67	61	56	77	67	60	56	65	60	55	64	59	55	63	58	55	55	55	55	53
8	74	63	57	52	73	63	57	52	62	56	52	61	55	52	60	55	51	51	51	51	50
9	71	60	53	49	69	59	53	49	58	53	49	58	52	49	57	52	48	48	48	48	47
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	46	46	46	44

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

	0°	45°	90°
0°	120883	120883	120883
5°	115017	114724	115017
10°	99297	98999	98842
15°	80591	78719	79040
20°	62094	59381	60499
25°	47165	43687	45834
30°	34980	31858	33946
35°	24725	23064	24346
40°	17041	17041	16637
45°	12519	13152	12519
50°	10958	10958	10958
55°	10449	10209	10449
60°	10816	9886	10816
65°	11696	9943	11696
70°	14049	10071	14049
75°	17966	10979	17966
80°	22414	11207	21621
85°	17191	10275	18970

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 22414 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.2	12.2
10°-20°	122.9	24.8
20°-30°	109.8	22.2
30°-40°	72.0	14.6
40°-50°	41.9	8.5
50°-60°	31.1	6.3
60°-70°	26.3	5.3
70°-80°	21.7	4.4
80°-90°	9.0	1.8
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°	293.0	59.2
0°-40°	365.0	73.7
0°-60°	438.0	88.5
0°-90°	495.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	495.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	702	702	702	702	702	
5°	665	664	664	664	665	60
15°	452	448	442	442	443	125
25°	248	241	230	236	241	114
35°	118	114	110	113	116	75
45°	51	52	54	52	51	41
55°	35	34	34	34	35	32
65°	29	26	24	26	29	29
75°	27	20	16	20	27	28
85°	9	10	5	10	10	10
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	701.9	701.9	701.9	701.9	701.9
1°	700.2	701.0	700.2	701.0	701.9
2°	695.8	696.7	695.8	695.8	696.7
3°	687.1	688.0	688.0	688.0	688.8
4°	676.7	677.5	676.7	677.5	678.4
5°	665.3	664.5	663.6	664.5	665.3
6°	649.7	648.8	647.9	648.8	649.7
7°	632.2	631.4	630.5	630.5	631.4
8°	610.5	611.3	608.7	610.5	611.3
9°	591.3	589.6	587.8	587.8	589.6
10°	567.8	566.1	566.1	565.2	565.2
12.5°	510.3	506.8	504.2	504.2	505.1
15°	452.0	447.6	441.5	442.4	443.3
17.5°	393.6	388.4	380.6	382.3	384.0
20°	338.8	333.5	324.0	327.4	330.1
22.5°	291.7	283.9	275.2	277.8	286.5
25°	248.2	241.2	229.9	236.0	241.2
27.5°	209.9	202.0	192.5	198.6	203.8
30°	175.9	168.9	160.2	165.5	170.7
32.5°	145.4	139.3	133.2	136.7	141.1
35°	117.6	114.1	109.7	113.2	115.8
37.5°	94.9	93.2	91.4	93.2	92.3
40°	75.8	76.6	75.8	75.8	74.0
42.5°	60.1	62.7	63.6	61.8	60.1
45°	51.4	52.3	54.0	52.3	51.4
47.5°	45.3	45.3	46.2	45.3	44.4
50°	40.9	40.9	40.9	40.9	40.9
52.5°	37.4	37.4	36.6	37.4	37.4
55°	34.8	34.0	34.0	34.0	34.8
57.5°	33.1	32.2	31.4	32.2	33.1
60°	31.4	29.6	28.7	29.6	31.4
62.5°	29.6	27.9	27.0	27.9	29.6
65°	28.7	26.1	24.4	26.1	28.7
67.5°	27.9	24.4	22.6	24.4	28.7
70°	27.9	22.6	20.0	23.5	27.9
72.5°	27.0	21.8	18.3	21.8	27.0
75°	27.0	20.0	16.5	20.0	27.0
77.5°	25.3	18.3	13.9	18.3	25.3
80°	22.6	16.5	11.3	16.5	21.8
82.5°	16.5	13.9	8.7	13.9	16.5
85°	8.7	9.6	5.2	9.6	9.6
87.5°	0.9	3.5	1.7	5.2	4.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)