

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: P1311938

Luminaire Tested: LDSQA3D24R309040D010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311938  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D24R309040D010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

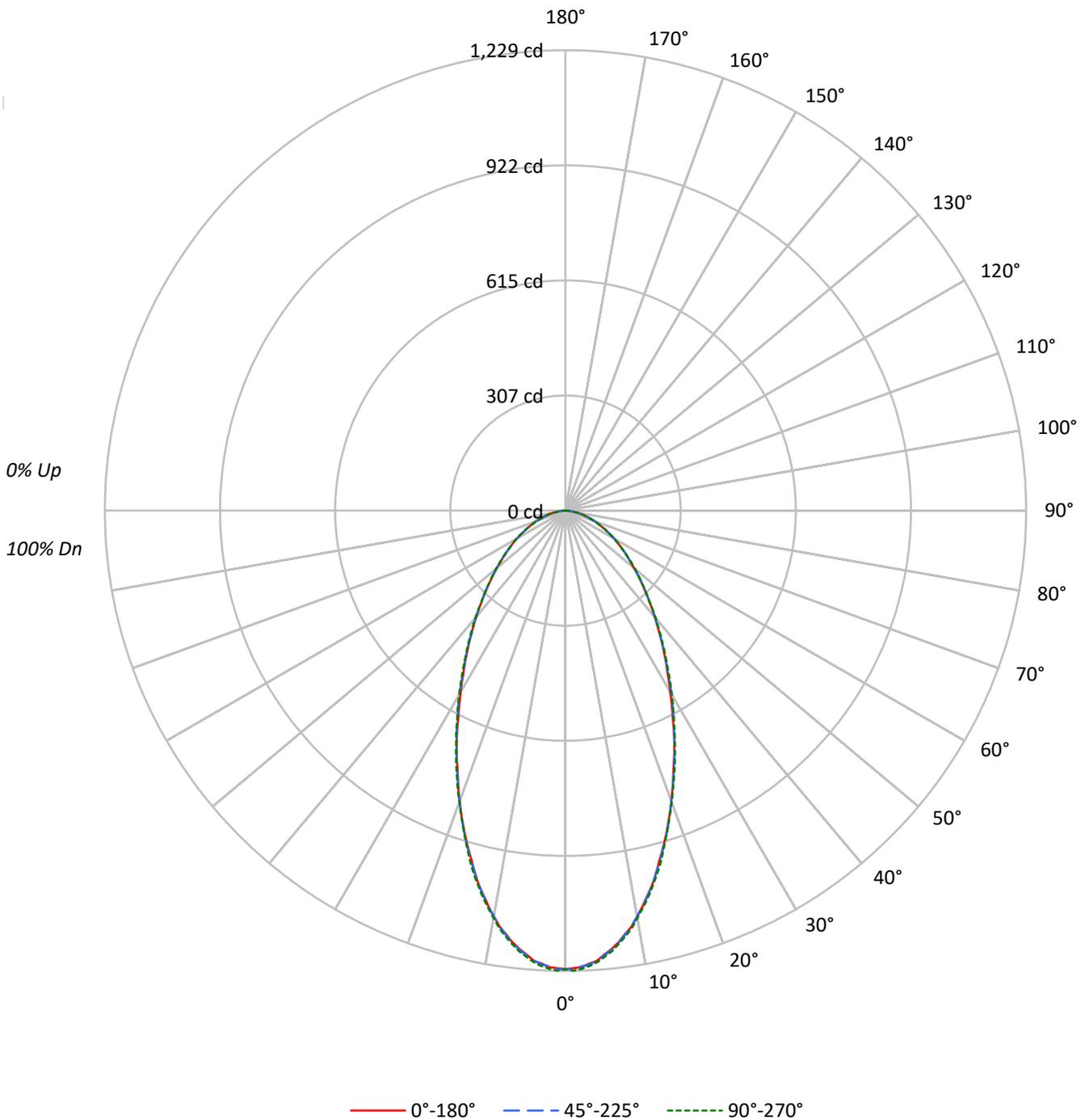
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1572.0 lumens  
Efficiency: N/A  
Efficacy: 54.6 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9  
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	100	100	100	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88	88	88	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77	77	77	77
3	95	86	80	74	93	85	79	73	82	77	72	79	75	71	77	73	70	68	68	68	68
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	60	60	60	60
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54	54	54	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	49	49	49	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	45	45	45	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	41	41	41	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38	38	38	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	35	35	35	35

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

	0°	45°	90°
0°	210835	210835	210835
5°	205641	206004	206765
10°	192420	192420	193172
15°	172539	172913	174090
20°	151441	151441	151844
25°	130567	130567	131403
30°	111126	112439	112856
35°	95998	96460	96923
40°	83116	83588	84083
45°	72556	73092	73092
50°	64089	64089	64679
55°	57470	57470	57470
60°	51667	51667	51667
65°	46090	46090	46090
70°	41593	41593	41593
75°	37596	36199	36199
80°	32332	30150	30150
85°	21539	21539	21539

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 73092 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.9	7.1
10°-20°	270.3	17.2
20°-30°	315.7	20.1
30°-40°	287.3	18.3
40°-50°	232.0	14.8
50°-60°	171.4	10.9
60°-70°	112.8	7.2
70°-80°	58.3	3.7
80°-90°	13.3	0.8
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°	696.9	44.3
0°-40°	984.1	62.6
0°-60°	1387.6	88.3
0°-90°	1572.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1572.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1224	1224	1224	1224	1224	
5°	1190	1190	1192	1192	1196	111
15°	968	970	970	970	976	270
25°	687	685	687	687	692	315
35°	457	454	459	459	461	286
45°	298	300	300	300	300	231
55°	191	189	191	189	191	172
65°	113	113	113	113	113	113
75°	56	54	54	54	54	60
85°	11	11	11	11	11	13
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1224.2	1224.2	1224.2	1224.2	1224.2
1°	1222.1	1222.1	1224.2	1222.1	1228.6
2°	1219.9	1217.7	1217.7	1217.7	1224.2
3°	1211.2	1211.2	1213.4	1211.2	1217.7
4°	1204.7	1202.5	1204.7	1202.5	1209.0
5°	1189.5	1189.5	1191.6	1191.6	1196.0
6°	1176.4	1176.4	1178.6	1176.4	1182.9
7°	1161.2	1161.2	1161.2	1161.2	1165.5
8°	1141.6	1141.6	1143.8	1143.8	1148.1
9°	1124.2	1122.0	1122.0	1122.0	1128.6
10°	1100.3	1100.3	1100.3	1100.3	1104.6
11°	1076.4	1076.4	1076.4	1076.4	1080.7
12°	1050.3	1050.3	1052.5	1050.3	1056.8
13°	1026.4	1026.4	1026.4	1026.4	1030.7
14°	998.1	995.9	998.1	998.1	1004.6
15°	967.7	969.8	969.8	969.8	976.4
17.5°	898.1	898.1	900.2	895.9	900.2
20°	826.3	824.1	826.3	826.3	828.5
22.5°	752.4	754.6	754.6	754.6	758.9
25°	687.1	685.0	687.1	687.1	691.5
27.5°	619.7	621.9	624.1	621.9	626.3
30°	558.8	563.2	565.4	561.0	567.5
32.5°	504.5	504.5	506.7	508.8	511.0
35°	456.6	454.5	458.8	458.8	461.0
37.5°	411.0	411.0	411.0	413.2	415.3
40°	369.7	369.7	371.8	371.8	374.0
42.5°	332.7	330.5	332.7	332.7	332.7
45°	297.9	300.1	300.1	300.1	300.1
47.5°	267.5	267.5	269.6	267.5	269.6
50°	239.2	239.2	239.2	239.2	241.4
52.5°	213.1	213.1	213.1	213.1	215.3
55°	191.4	189.2	191.4	189.2	191.4
57.5°	169.6	169.6	169.6	169.6	169.6
60°	150.0	147.9	150.0	147.9	150.0
62.5°	130.5	130.5	130.5	130.5	130.5
65°	113.1	113.1	113.1	113.1	113.1
67.5°	97.9	97.9	97.9	95.7	95.7
70°	82.6	82.6	82.6	82.6	82.6
72.5°	69.6	67.4	67.4	67.4	67.4
75°	56.5	54.4	54.4	54.4	54.4
77.5°	43.5	43.5	41.3	41.3	43.5
80°	32.6	30.4	30.4	30.4	30.4
82.5°	19.6	19.6	19.6	19.6	19.6
85°	10.9	10.9	10.9	10.9	10.9
87.5°	2.2	2.2	2.2	4.3	4.3



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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)