

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: P1309703

Luminaire Tested: LDSQA3D24R309030D010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

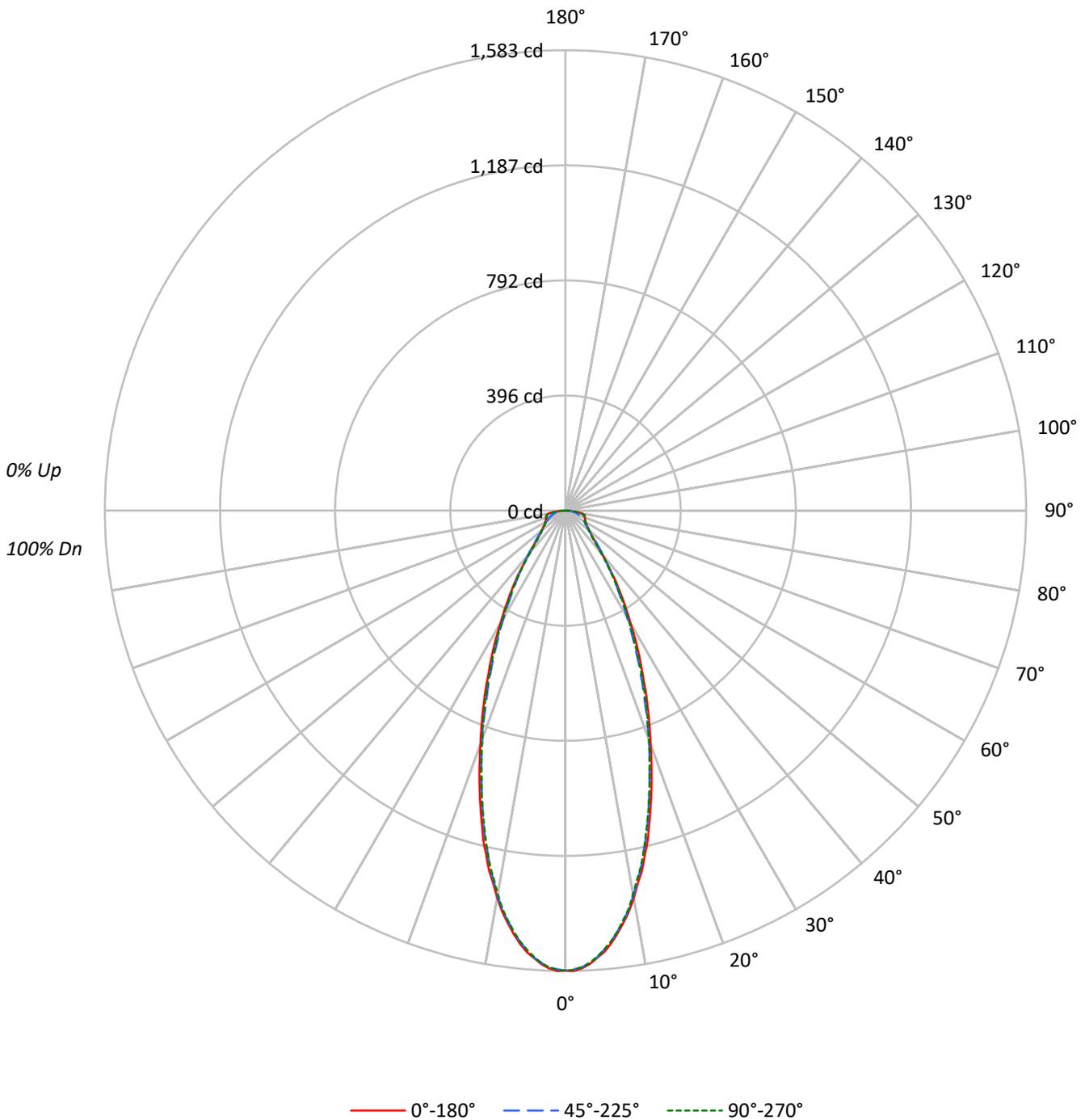
Test Method: LM-79-2019  
Report Number: P1309703  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D24R309030D010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1247.0 lumens  
Efficiency: N/A  
Efficacy: 43.3 lumens/watt  
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7  
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 (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	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	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	91	91	91	89
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	81	81	81	79
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	74	74	74	72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	67	66
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	62	62	62	61
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	58	58	58	56
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	57	54	54	54	54	52
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	51	51	51	49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	48	48	48	46
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	45	45	45	43

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

	0°	45°	90°
0°	272336	272336	272336
5°	263470	262156	262156
10°	236455	235125	234129
15°	198178	195111	194773
20°	156462	153310	153310
25°	119755	115042	117227
30°	88873	84319	86208
35°	64251	61434	61833
40°	44222	45077	42941
45°	33027	34415	31638
50°	28642	28133	28133
55°	26963	25792	26393
60°	27625	25661	26970
65°	30360	25673	29585
70°	35601	25983	34644
75°	45781	27948	44450
80°	56830	30349	53061
85°	45251	30233	41497

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 56830 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	139.4	11.2
10°-20°	303.2	24.3
20°-30°	282.5	22.7
30°-40°	187.4	15.0
40°-50°	109.1	8.8
50°-60°	79.4	6.4
60°-70°	67.1	5.4
70°-80°	55.6	4.5
80°-90°	23.1	1.9
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°	725.1	58.2
0°-40°	912.6	73.2
0°-60°	1101.1	88.3
0°-90°	1247.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1247.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1581	1581	1581	1581	1581	
5°	1524	1522	1516	1516	1516	140
15°	1112	1100	1094	1092	1092	307
25°	630	619	605	607	617	291
35°	306	300	292	294	294	192
45°	136	138	141	134	130	109
55°	90	88	86	88	88	82
65°	74	67	63	67	73	74
75°	69	52	42	52	67	70
85°	23	27	15	25	21	26
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1581.3	1581.3	1581.3	1581.3	1581.3
1°	1583.2	1581.3	1577.5	1579.4	1579.4
2°	1575.6	1573.7	1571.8	1571.8	1571.8
3°	1562.2	1560.3	1558.4	1558.4	1558.4
4°	1543.1	1541.2	1541.2	1539.3	1539.3
5°	1524.0	1522.1	1516.4	1516.4	1516.4
6°	1497.3	1495.4	1491.6	1489.7	1489.7
7°	1464.8	1464.8	1459.1	1457.2	1459.1
8°	1430.5	1428.5	1424.7	1422.8	1422.8
9°	1394.2	1388.4	1388.4	1382.7	1386.5
10°	1352.1	1348.3	1344.5	1340.7	1338.8
11°	1304.4	1302.5	1296.8	1292.9	1291.0
12°	1264.3	1254.7	1250.9	1245.2	1249.0
13°	1212.7	1207.0	1197.5	1195.5	1197.5
14°	1168.8	1157.3	1149.7	1145.9	1144.0
15°	1111.5	1100.1	1094.3	1092.4	1092.4
17.5°	983.6	975.9	960.6	960.6	960.6
20°	853.7	846.0	836.5	834.6	836.5
22.5°	741.0	727.6	712.4	714.3	725.7
25°	630.2	618.8	605.4	607.3	616.9
27.5°	536.7	521.4	508.0	511.8	517.6
30°	446.9	437.3	424.0	427.8	433.5
32.5°	370.5	364.8	349.5	353.3	359.0
35°	305.6	299.8	292.2	294.1	294.1
37.5°	244.5	244.5	242.5	240.6	238.7
40°	196.7	200.5	200.5	194.8	191.0
42.5°	160.4	164.2	168.1	160.4	154.7
45°	135.6	137.5	141.3	133.7	129.9
47.5°	118.4	118.4	122.2	116.5	114.6
50°	106.9	106.9	105.0	103.1	105.0
52.5°	97.4	95.5	93.6	95.5	95.5
55°	89.8	87.9	85.9	87.9	87.9
57.5°	84.0	82.1	80.2	80.2	82.1
60°	80.2	76.4	74.5	76.4	78.3
62.5°	76.4	70.7	68.8	70.7	74.5
65°	74.5	66.8	63.0	66.8	72.6
67.5°	72.6	63.0	57.3	63.0	70.7
70°	70.7	59.2	51.6	59.2	68.8
72.5°	68.8	55.4	47.7	55.4	68.8
75°	68.8	51.6	42.0	51.6	66.8
77.5°	64.9	47.7	36.3	47.7	63.0
80°	57.3	43.9	30.6	42.0	53.5
82.5°	42.0	38.2	22.9	36.3	40.1
85°	22.9	26.7	15.3	24.8	21.0
87.5°	3.8	5.7	3.8	11.5	7.6



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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)