

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: P1309666

Luminaire Tested: LDSQA3D24R209030D010 3LSQPHRL1MMS

Issue Date: 1/29/2026

**Test Information**

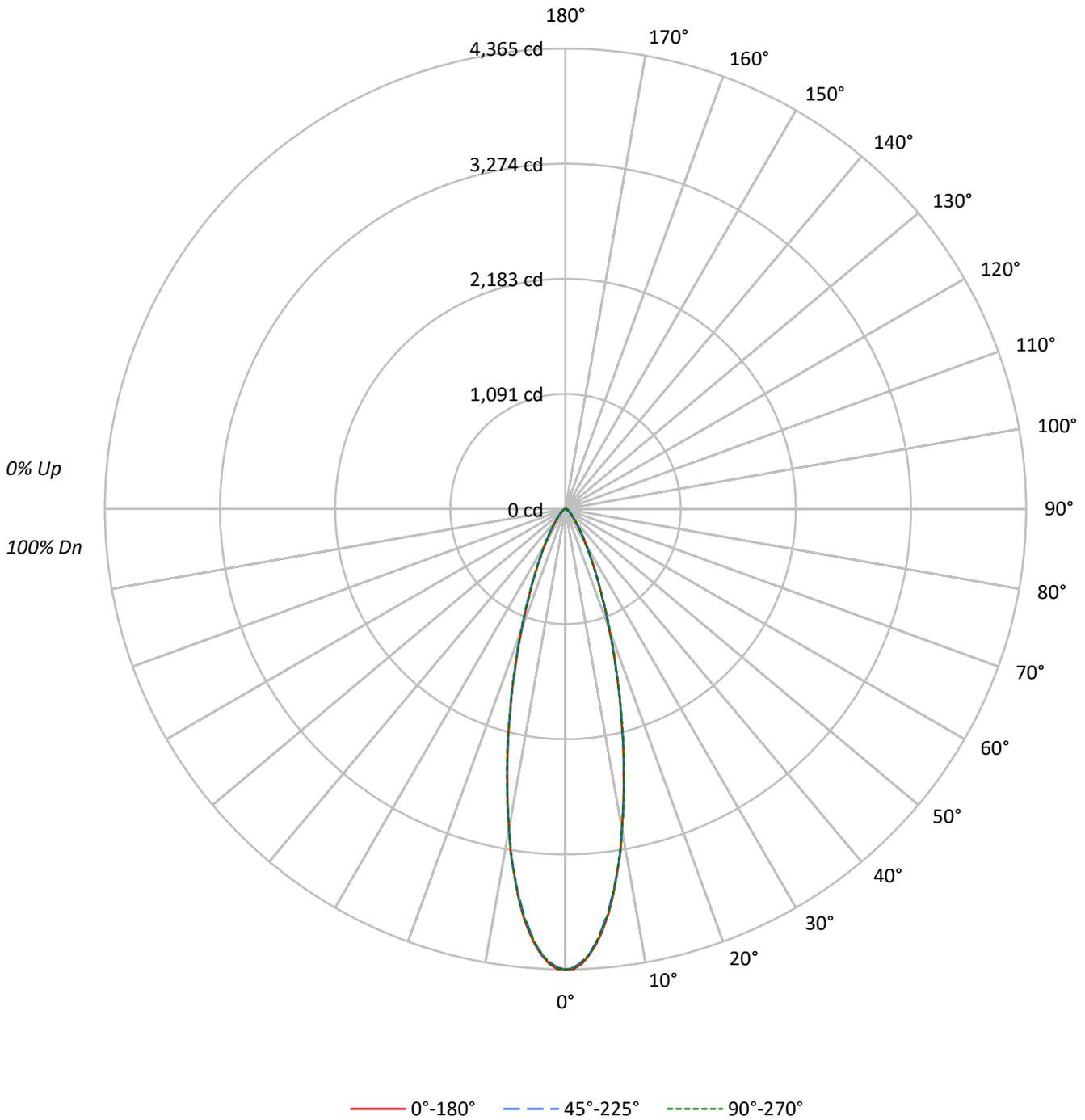
Test Method: LM-79-2019  
Report Number: P1309666  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D24R209030D010 3LSQPHRL1MMS  
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , 3LSQPHRL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1534.0 lumens  
Efficiency: N/A  
Efficacy: 53.3 lumens/watt  
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5  
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				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	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	90	87	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	86	83	81	79
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	82	79	77	82	79	77	75
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	79	76	73	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	76	73	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	73	70	67	66
9	82	74	69	65	81	73	68	65	72	68	65	71	67	65	71	67	64	71	67	64	63
10	79	71	66	62	78	70	66	62	70	65	62	69	65	62	68	65	62	68	65	62	61

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

	0°	45°	90°
0°	751769	751769	751769
5°	693545	689586	691885
10°	538192	538874	538874
15°	363764	365475	365475
20°	220920	223724	224769
25°	129598	131403	131042
30°	75609	77120	77498
35°	46191	47389	47389
40°	30059	30486	30913
45°	20946	21409	21872
50°	15352	15862	15862
55°	12040	12611	12611
60°	10540	10540	11194
65°	9332	9332	10106
70°	8661	8661	8661
75°	7652	7652	7652
80°	5653	5653	7538
85°	3754	3754	7509

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 21872 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	352.0	22.9
10°-20°	563.7	36.7
20°-30°	326.4	21.3
30°-40°	146.4	9.5
40°-50°	69.4	4.5
50°-60°	38.0	2.5
60°-70°	23.0	1.5
70°-80°	12.4	0.8
80°-90°	2.7	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°	1242.1	81.0
0°-40°	1388.5	90.5
0°-60°	1495.9	97.5
0°-90°	1534.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1534.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4365	4365	4365	4365	4365	
5°	4012	3998	3989	3996	4002	353
15°	2040	2040	2050	2040	2050	562
25°	682	682	692	686	690	323
35°	220	222	225	227	225	143
45°	86	86	88	88	90	68
55°	40	40	42	42	42	37
65°	23	23	23	23	25	23
75°	12	12	12	12	12	12
85°	2	2	2	2	4	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4365.1	4365.1	4365.1	4365.1	4365.1
1°	4363.2	4351.7	4347.9	4344.1	4355.6
2°	4319.3	4305.9	4298.2	4302.1	4304.0
3°	4240.9	4233.3	4233.3	4227.6	4231.4
4°	4139.7	4124.4	4124.4	4126.3	4126.3
5°	4011.7	3998.3	3988.8	3996.4	4002.1
6°	3868.4	3851.2	3843.6	3845.5	3858.9
7°	3692.7	3669.7	3673.6	3683.1	3683.1
8°	3494.0	3492.1	3495.9	3492.1	3495.9
9°	3310.6	3283.9	3306.8	3287.7	3297.2
10°	3077.5	3075.6	3081.4	3087.1	3081.4
12.5°	2546.5	2556.0	2559.8	2552.2	2569.4
15°	2040.2	2040.2	2049.8	2040.2	2049.8
17.5°	1587.5	1585.6	1593.2	1585.6	1597.0
20°	1205.4	1218.8	1220.7	1220.7	1226.4
22.5°	909.3	909.3	917.0	918.9	915.0
25°	682.0	682.0	691.5	685.8	689.6
27.5°	504.3	508.1	515.8	519.6	519.6
30°	380.2	382.1	387.8	389.7	389.7
32.5°	286.5	290.4	294.2	296.1	298.0
35°	219.7	221.6	225.4	227.3	225.4
37.5°	168.1	170.0	173.8	175.8	175.8
40°	133.7	133.7	135.6	137.5	137.5
42.5°	105.1	107.0	107.0	108.9	108.9
45°	86.0	86.0	87.9	87.9	89.8
47.5°	68.8	68.8	70.7	72.6	72.6
50°	57.3	57.3	59.2	59.2	59.2
52.5°	47.8	47.8	49.7	49.7	49.7
55°	40.1	40.1	42.0	42.0	42.0
57.5°	34.4	34.4	36.3	36.3	36.3
60°	30.6	30.6	30.6	30.6	32.5
62.5°	26.7	26.7	26.7	26.7	26.7
65°	22.9	22.9	22.9	22.9	24.8
67.5°	19.1	19.1	19.1	19.1	21.0
70°	17.2	17.2	17.2	17.2	17.2
72.5°	13.4	13.4	13.4	15.3	15.3
75°	11.5	11.5	11.5	11.5	11.5
77.5°	9.6	9.6	9.6	9.6	9.6
80°	5.7	5.7	5.7	7.6	7.6
82.5°	3.8	3.8	3.8	3.8	3.8
85°	1.9	1.9	1.9	1.9	3.8
87.5°	0.0	0.0	0.0	1.9	1.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)