

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: P1314290

Luminaire Tested: LDSQA3D05R209730DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

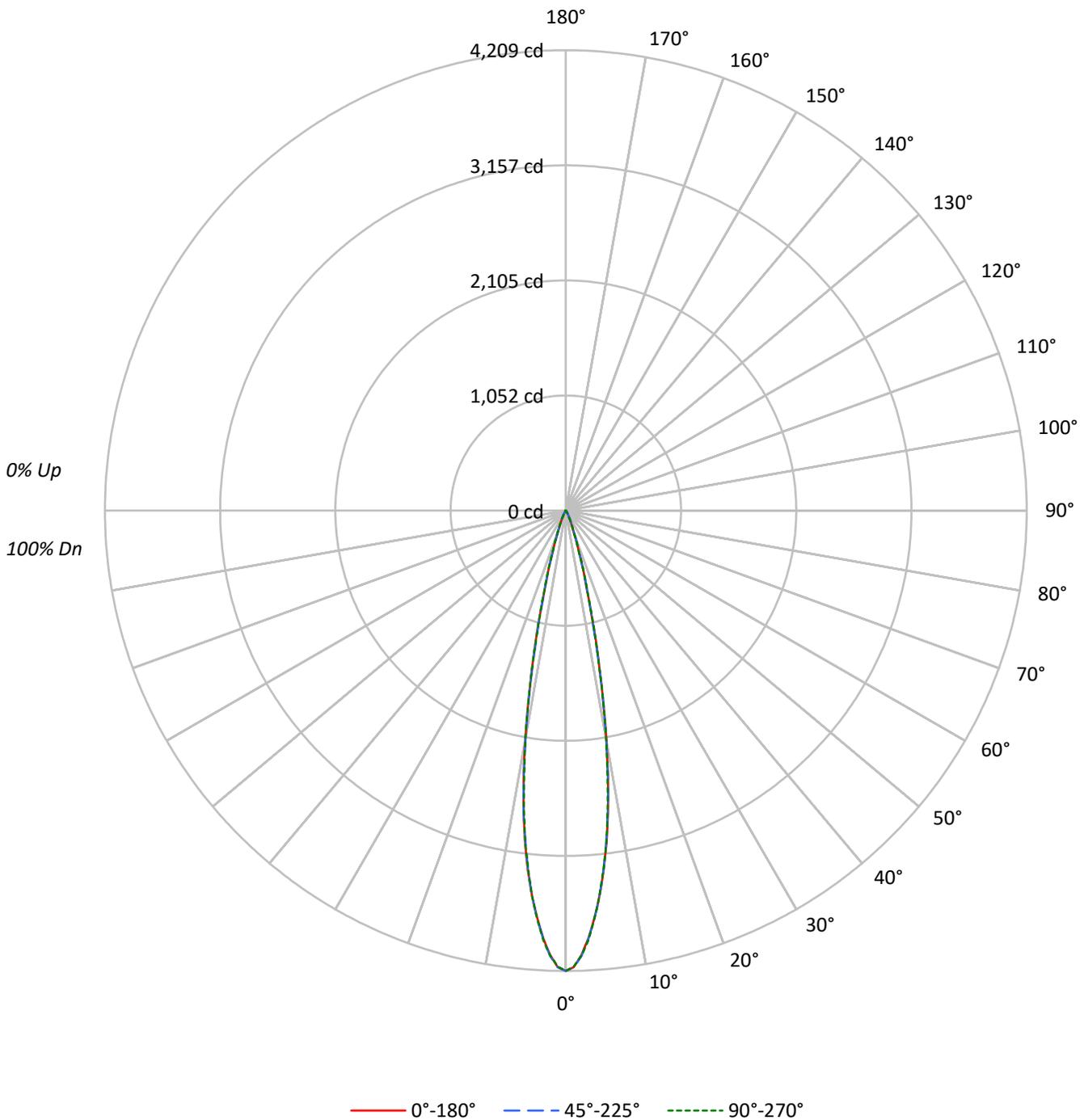
Test Method: LM-79-2019  
Report Number: P1314290  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R209730DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 579.9 lumens  
Efficiency: N/A  
Efficacy: 80.5 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 7.2  
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		100
1	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	98		98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	95		95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	93		93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	91		91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	89		89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	87		87
7	100	94	91	88	99	94	90	88	92	90	87	92	89	87	91	88	87	86		86
8	98	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	84		84
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	83		83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	81		81

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

	0°	45°	90°
0°	724851	724851	724851
5°	610942	611167	610873
10°	372301	370570	371426
15°	131138	131691	135774
20°	41200	42355	41457
25°	15430	16893	15867
30°	5986	8472	6244
35°	2271	3763	2460
40°	1214	1619	1214
45°	438	755	536
50°	241	348	241
55°	270	270	270
60°	138	138	138
65°	163	163	163
70°	201	201	201
75°	0	0	266
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 755 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	292.2	50.4
10°-20°	229.1	39.5
20°-30°	45.0	7.8
30°-40°	10.1	1.7
40°-50°	2.3	0.4
50°-60°	0.7	0.1
60°-70°	0.4	0.1
70°-80°	0.2	0.0
80°-90°	0.0	0.0
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°	566.2	97.6
0°-40°	576.3	99.4
0°-60°	579.3	99.9
0°-90°	579.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	579.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4209	4209	4209	4209	4209	
5°	3534	3537	3535	3547	3534	293
15°	736	739	739	755	762	229
25°	81	87	89	88	84	43
35°	11	13	18	13	12	8
45°	2	3	3	3	2	2
55°	1	1	1	1	1	1
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4208.8	4208.8	4208.8	4208.8	4208.8
1°	4174.7	4165.7	4176.1	4168.0	4169.8
2°	4066.6	4061.6	4075.1	4066.6	4071.1
3°	3916.2	3910.0	3919.8	3920.3	3932.8
4°	3736.7	3724.6	3739.4	3739.9	3742.1
5°	3533.9	3537.0	3535.2	3547.4	3533.5
6°	3305.9	3316.3	3302.8	3309.5	3290.2
7°	3051.0	3038.0	3031.3	3033.5	3047.0
8°	2769.7	2760.7	2770.6	2756.7	2747.2
9°	2456.9	2441.2	2452.0	2438.5	2425.0
10°	2128.9	2121.7	2119.0	2103.7	2123.9
11°	1799.9	1778.4	1789.2	1781.5	1803.5
12°	1492.1	1493.9	1472.8	1479.5	1482.2
13°	1214.3	1185.6	1189.2	1207.6	1210.7
14°	941.9	946.0	947.3	960.3	968.0
15°	735.5	738.6	738.6	754.8	761.5
17.5°	394.5	394.5	403.0	404.8	405.7
20°	224.8	226.2	231.1	230.7	226.2
22.5°	134.6	137.3	140.0	137.3	134.6
25°	81.2	86.6	88.9	87.5	83.5
27.5°	48.5	54.3	60.6	55.6	48.0
30°	30.1	33.2	42.6	34.1	31.4
32.5°	16.6	21.5	29.2	22.4	17.1
35°	10.8	13.0	17.9	13.0	11.7
37.5°	7.6	9.0	11.2	9.4	8.1
40°	5.4	6.3	7.2	6.7	5.4
42.5°	3.6	4.5	4.9	4.5	3.6
45°	1.8	2.7	3.1	2.7	2.2
47.5°	0.9	1.3	2.2	1.3	0.9
50°	0.9	0.9	1.3	0.9	0.9
52.5°	0.9	0.9	0.9	0.9	0.9
55°	0.9	0.9	0.9	0.9	0.9
57.5°	0.9	0.9	0.4	0.9	0.4
60°	0.4	0.4	0.4	0.4	0.4
62.5°	0.4	0.4	0.4	0.4	0.4
65°	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.0	0.0	0.0	0.0	0.4
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)