

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: P1310091

Luminaire Tested: LDSQA3D05R509035DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

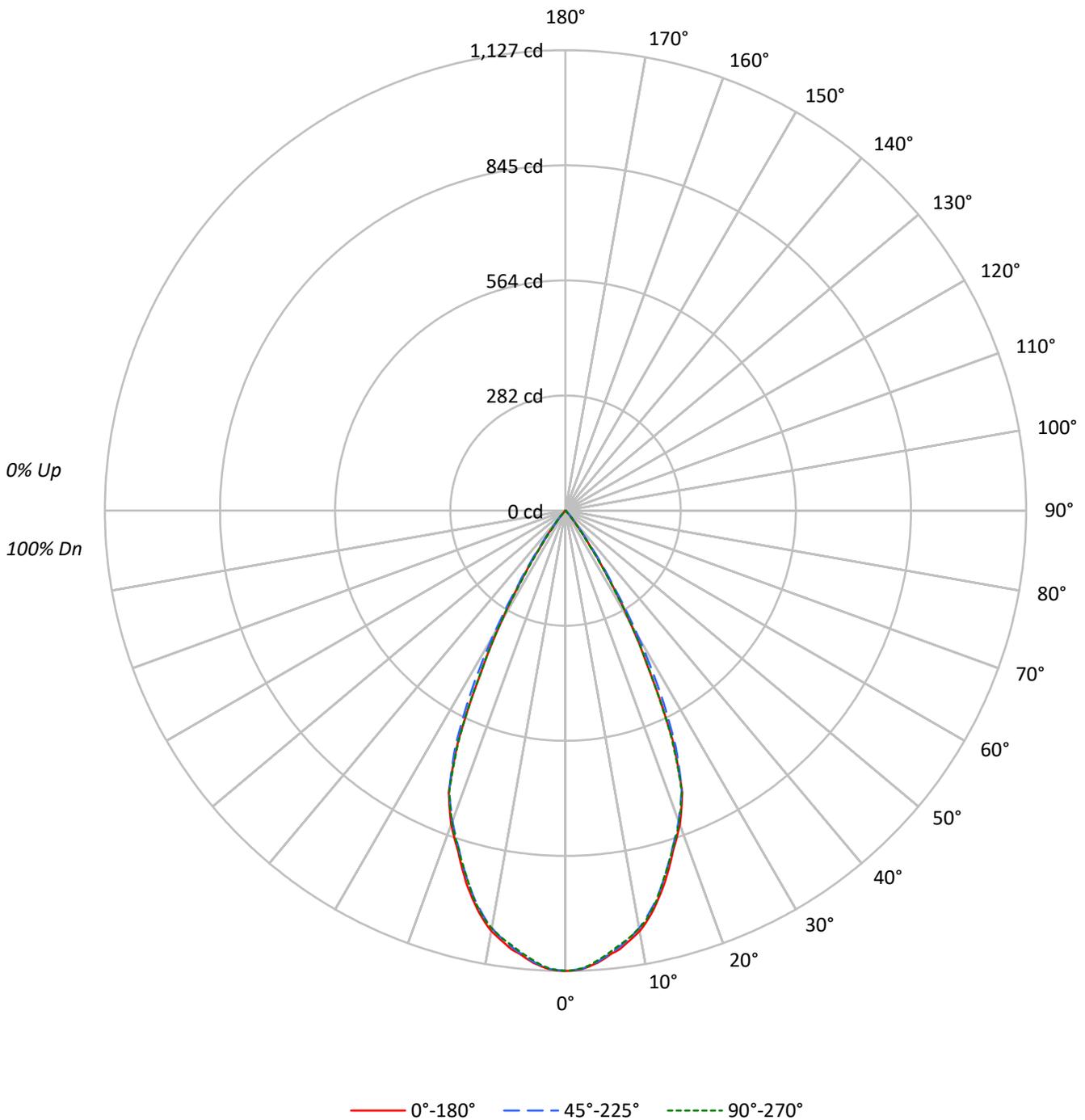
Test Method: LM-79-2019  
Report Number: P1310091  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R509035DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 725.9 lumens  
Efficiency: N/A  
Efficacy: 100.8 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78  
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	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	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	80	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	71	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

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

	0°	45°	90°
0°	194026	194026	194026
5°	190220	189857	189321
10°	182767	181507	181595
15°	167778	166227	166031
20°	149901	148288	149040
25°	117817	121237	116828
30°	63021	70617	63239
35°	20583	24052	19385
40°	5103	6362	4856
45°	633	2265	633
50°	402	697	402
55°	450	450	450
60°	344	344	344
65°	408	408	408
70°	252	252	252
75°	333	333	333
80°	496	496	496
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2265 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.0	14.2
10°-20°	260.5	35.9
20°-30°	274.0	37.7
30°-40°	79.0	10.9
40°-50°	6.4	0.9
50°-60°	1.3	0.2
60°-70°	1.0	0.1
70°-80°	0.5	0.1
80°-90°	0.1	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°	637.6	87.8
0°-40°	716.5	98.7
0°-60°	724.3	99.8
0°-90°	725.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	725.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1127	1127	1127	1127	1127	
5°	1100	1100	1098	1099	1095	103
15°	941	935	932	932	931	262
25°	620	635	638	631	615	269
35°	98	102	114	98	92	76
45°	3	5	9	5	3	5
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1126.6	1126.6	1126.6	1126.6	1126.6
1°	1126.0	1127.1	1125.0	1128.6	1125.5
2°	1123.5	1124.0	1122.9	1125.5	1121.4
3°	1117.3	1118.3	1116.2	1118.3	1114.7
4°	1110.1	1110.1	1108.0	1109.5	1104.9
5°	1100.3	1099.8	1098.2	1099.2	1095.1
6°	1090.0	1089.4	1086.9	1086.9	1083.8
7°	1082.2	1078.6	1076.6	1076.0	1073.0
8°	1069.9	1068.8	1064.7	1064.7	1062.6
9°	1057.5	1056.5	1051.8	1052.9	1051.3
10°	1045.1	1041.5	1037.9	1038.4	1038.4
11°	1028.6	1025.5	1020.4	1022.5	1023.5
12°	1009.1	1005.4	1000.8	1004.9	1004.4
13°	987.4	984.3	980.7	983.8	982.8
14°	964.7	960.1	957.0	959.1	958.0
15°	941.0	934.8	932.3	932.3	931.2
17.5°	874.5	870.9	868.4	866.8	870.4
20°	817.9	814.8	809.1	810.6	813.2
22.5°	746.7	746.2	743.1	740.6	743.6
25°	620.0	635.4	638.0	630.8	614.8
27.5°	450.4	486.5	499.4	482.4	453.0
30°	316.9	333.9	355.1	321.6	318.0
32.5°	191.2	195.8	215.4	192.2	187.1
35°	97.9	101.5	114.4	97.9	92.2
37.5°	45.9	47.9	53.1	45.9	42.8
40°	22.7	25.3	28.3	23.7	21.6
42.5°	9.8	12.9	16.5	12.4	8.8
45°	2.6	5.2	9.3	5.2	2.6
47.5°	1.5	2.1	5.2	2.1	1.5
50°	1.5	1.5	2.6	1.5	1.5
52.5°	1.5	1.5	1.5	1.5	1.5
55°	1.5	1.5	1.5	1.5	1.5
57.5°	1.5	1.5	1.5	1.5	1.5
60°	1.0	1.5	1.0	1.5	1.0
62.5°	1.0	1.0	1.0	1.0	1.0
65°	1.0	1.0	1.0	1.0	1.0
67.5°	1.0	1.0	1.0	1.0	1.0
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.0	0.5	0.0	0.5	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)