

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: P1323663

Luminaire Tested: LDSQA3D05R509030D2WDE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

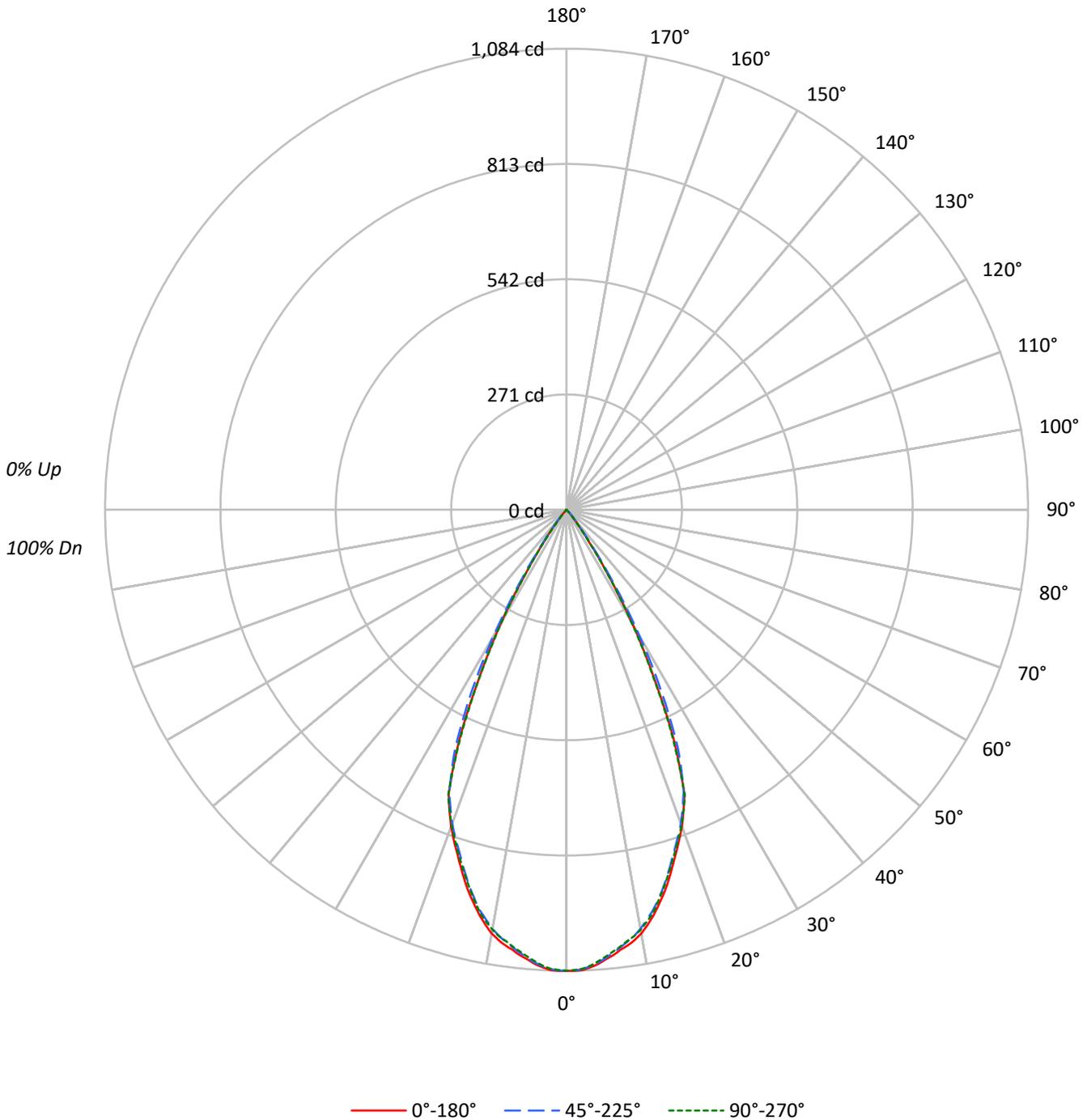
Test Method: LM-79-2019  
Report Number: P1323663  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R509030D2WDE010 3LSQCDR1MMS  
Description: 3in Adjustable Dim to Warm LED luminaire with, R50 optic, 3000K CCT AND, 90CRI ,  
3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 698.0 lumens  
Efficiency: N/A  
Efficacy: 62.9 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): 11.1  
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

TEST NUMBER: P1323663  
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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	110	108	106	106	104	102	102	101	99	98	97	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	60	59

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

	0°	45°	90°
0°	186672	186672	186672
5°	183426	182908	182389
10°	176891	174984	175334
15°	162733	160682	161128
20°	145319	143945	144769
25°	113085	117836	111850
30°	61270	68410	60177
35°	19322	22980	18901
40°	4272	5958	4047
45°	122	1827	122
50°	0	268	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1827 cd/sqm



TEST NUMBER: P1323663

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.3	14.2
10°-20°	252.3	36.1
20°-30°	265.8	38.1
30°-40°	75.9	10.9
40°-50°	4.7	0.7
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	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°	617.4	88.4
0°-40°	693.3	99.3
0°-60°	698.0	100.0
0°-90°	698.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	698.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1084	1084	1084	1084	1084	
5°	1061	1060	1058	1057	1055	100
15°	913	907	901	903	904	254
25°	595	617	620	613	589	260
35°	92	98	109	93	90	72
45°	0	2	8	2	0	3
55°	0	0	0	0	0	0
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°	1083.9	1083.9	1083.9	1083.9	1083.9
1°	1084.4	1084.9	1083.9	1084.9	1082.4
2°	1082.9	1081.9	1080.9	1081.4	1079.9
3°	1077.4	1076.9	1074.9	1075.4	1073.4
4°	1070.5	1069.0	1067.5	1066.5	1064.5
5°	1061.0	1060.0	1058.0	1057.0	1055.0
6°	1053.0	1051.0	1047.5	1046.5	1044.5
7°	1042.5	1041.5	1037.0	1036.0	1035.0
8°	1034.5	1031.5	1026.0	1026.5	1024.0
9°	1024.0	1020.0	1014.5	1014.5	1015.0
10°	1011.5	1005.5	1000.6	1002.1	1002.6
11°	995.1	991.1	983.6	987.1	987.1
12°	977.1	972.1	966.6	969.6	971.6
13°	956.1	952.1	947.1	950.1	949.1
14°	935.6	928.2	924.7	928.7	927.2
15°	912.7	906.7	901.2	902.7	903.7
17.5°	851.3	844.8	840.8	841.3	845.8
20°	792.9	790.4	785.4	787.4	789.9
22.5°	724.0	725.0	719.0	720.5	726.4
25°	595.1	617.1	620.1	613.1	588.6
27.5°	440.9	473.8	483.8	467.8	437.9
30°	308.1	317.0	344.0	313.5	302.6
32.5°	180.7	194.2	208.7	187.7	180.2
35°	91.9	98.4	109.3	92.9	89.9
37.5°	42.4	45.4	49.9	42.4	39.9
40°	19.0	22.5	26.5	21.5	18.0
42.5°	6.0	10.5	14.0	9.5	5.5
45°	0.5	2.5	7.5	2.5	0.5
47.5°	0.0	0.5	3.0	0.5	0.0
50°	0.0	0.0	1.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
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)