

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: P1319317

Luminaire Tested: LDSQA3D13R709835DE010 3LSQCLDWWR1MMS

Issue Date: 1/29/2026

**Test Information**

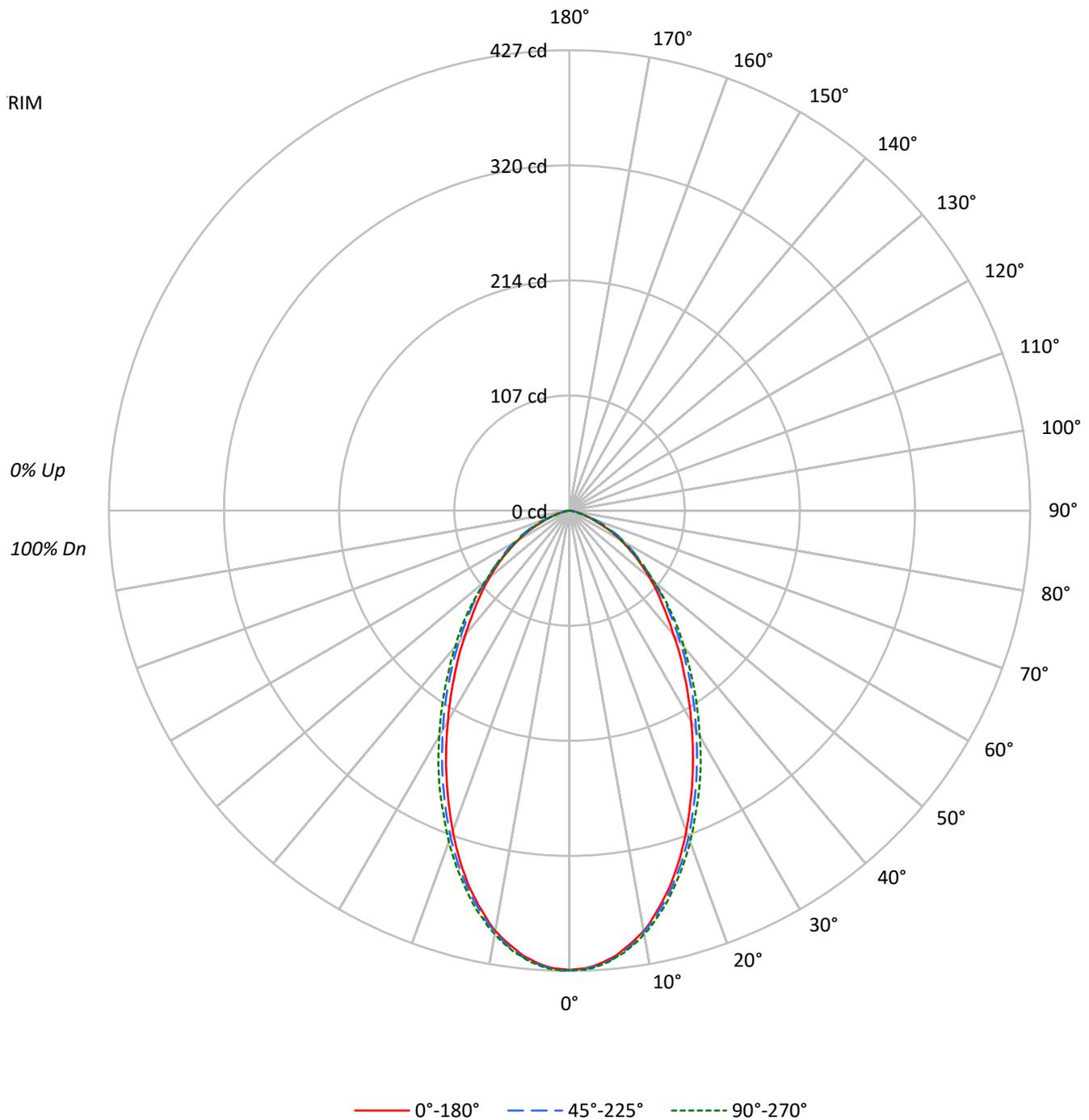
Test Method: LM-79-2019  
Report Number: P1319317  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R709835DE010 3LSQCLDWWR1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , 3LSQCLDWWR1MMS T  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 610.0 lumens  
Efficiency: N/A  
Efficacy: 42.1 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 14.5  
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

TEST NUMBER: P1319317  
CATALOG NUMBER: LDSQA3D13R709835DE010 3LSQCLDWWR1MMS

### Luminous Intensity Polar Plot





TEST NUMBER: P1319317

CATALOG NUMBER: LDSQA3D13R709835DE010 3LSQCLDWWR1MMS

**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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	108	104	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89
2	103	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	79
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	76	70	65	74	69	64	72	67	64	62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55
6	78	66	59	53	76	65	58	53	64	57	53	62	56	52	61	56	52	50
7	73	61	53	48	71	60	53	48	59	52	48	58	52	47	56	51	47	45
8	68	57	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	41
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	38
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	41	37	35

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

	0°	45°	90°
0°	73384	73384	73384
5°	72229	72489	72610
10°	69217	69357	69759
15°	64241	64776	65311
20°	57988	59088	59931
25°	51345	52789	54082
30°	44844	46654	48006
35°	38979	41061	42322
40°	33701	35904	37095
45°	29495	31517	32442
50°	25963	27168	27168
55°	22490	23631	22940
60°	19013	20322	19289
65°	14793	16953	15404
70°	10675	12589	10675
75°	8052	7586	6055
80°	5256	3769	1488
85°	1581	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 32442 cd/sqm



TEST NUMBER: P1319317

CATALOG NUMBER: LDSQA3D13R709835DE010 3LSQCLDWWR1MMS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.3	6.4
10°-20°	101.4	16.6
20°-30°	127.3	20.9
30°-40°	121.6	19.9
40°-50°	98.8	16.2
50°-60°	69.2	11.3
60°-70°	39.1	6.4
70°-80°	12.4	2.0
80°-90°	1.0	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°	268.0	43.9
0°-40°	389.5	63.9
0°-60°	557.6	91.4
0°-90°	610.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	610.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	426	426	426	426	426	
5°	418	418	419	418	420	39
15°	360	361	363	364	366	100
25°	270	273	278	282	285	124
35°	185	188	195	199	201	116
45°	121	124	129	132	133	94
55°	75	76	79	77	76	67
65°	36	39	42	39	38	36
75°	12	12	11	10	9	13
85°	1	1	0	0	0	2
90°	0	0	0	0	0	



TEST NUMBER: P1319317

CATALOG NUMBER: LDSQA3D13R709835DE010 3LSQCLDWWR1MMS

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	426.1	426.1	426.1	426.1	426.1
1°	425.3	426.1	426.9	425.3	426.1
2°	424.6	425.3	425.3	424.6	426.1
3°	423.1	423.8	423.8	423.1	424.6
4°	420.8	421.6	421.6	420.8	422.3
5°	417.8	418.5	419.3	418.5	420.0
6°	414.7	415.5	416.3	415.5	416.3
7°	410.2	411.7	411.7	411.7	413.2
8°	405.7	407.2	407.9	407.2	408.7
9°	401.1	401.9	402.6	402.6	404.2
10°	395.8	396.6	396.6	397.3	398.9
11°	389.8	389.8	391.3	391.3	393.6
12°	382.2	383.0	384.5	385.2	386.7
13°	375.4	376.1	377.7	378.4	380.7
14°	367.8	369.3	370.9	371.6	373.9
15°	360.3	361.0	363.3	364.0	366.3
17.5°	339.1	339.8	343.6	345.1	347.4
20°	316.4	318.6	322.4	324.7	327.0
22.5°	292.9	295.2	299.7	303.5	305.0
25°	270.2	273.2	277.8	282.3	284.6
27.5°	247.5	250.5	255.8	260.4	263.4
30°	225.5	228.6	234.6	238.4	241.4
32.5°	205.1	208.1	214.9	218.7	221.0
35°	185.4	188.5	195.3	199.0	201.3
37.5°	168.0	171.0	177.1	180.9	182.4
40°	149.9	153.6	159.7	163.5	165.0
42.5°	134.7	137.7	143.8	146.8	149.1
45°	121.1	124.1	129.4	131.7	133.2
47.5°	109.0	110.5	115.0	115.8	117.3
50°	96.9	98.4	101.4	102.2	101.4
52.5°	85.5	87.0	89.3	88.6	88.6
55°	74.9	75.7	78.7	77.2	76.4
57.5°	64.3	65.8	68.9	66.6	65.8
60°	55.2	56.8	59.0	57.5	56.0
62.5°	46.2	46.9	50.7	47.7	46.2
65°	36.3	38.6	41.6	39.4	37.8
67.5°	27.2	31.0	34.1	31.0	29.5
70°	21.2	22.7	25.0	23.5	21.2
72.5°	15.9	16.7	17.4	15.9	14.4
75°	12.1	12.1	11.4	9.8	9.1
77.5°	8.3	8.3	6.8	4.5	4.5
80°	5.3	5.3	3.8	1.5	1.5
82.5°	2.3	2.3	1.5	0.8	0.8
85°	0.8	0.8	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1319317  
CATALOG NUMBER: LDSQA3D13R709835DE010 3LSQCLDWWR1MMS

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)