

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: P1319464

Luminaire Tested: LDSQA3D17R709835DE010 3LSQCLDWWR1MW

Issue Date: 1/29/2026

**Test Information**

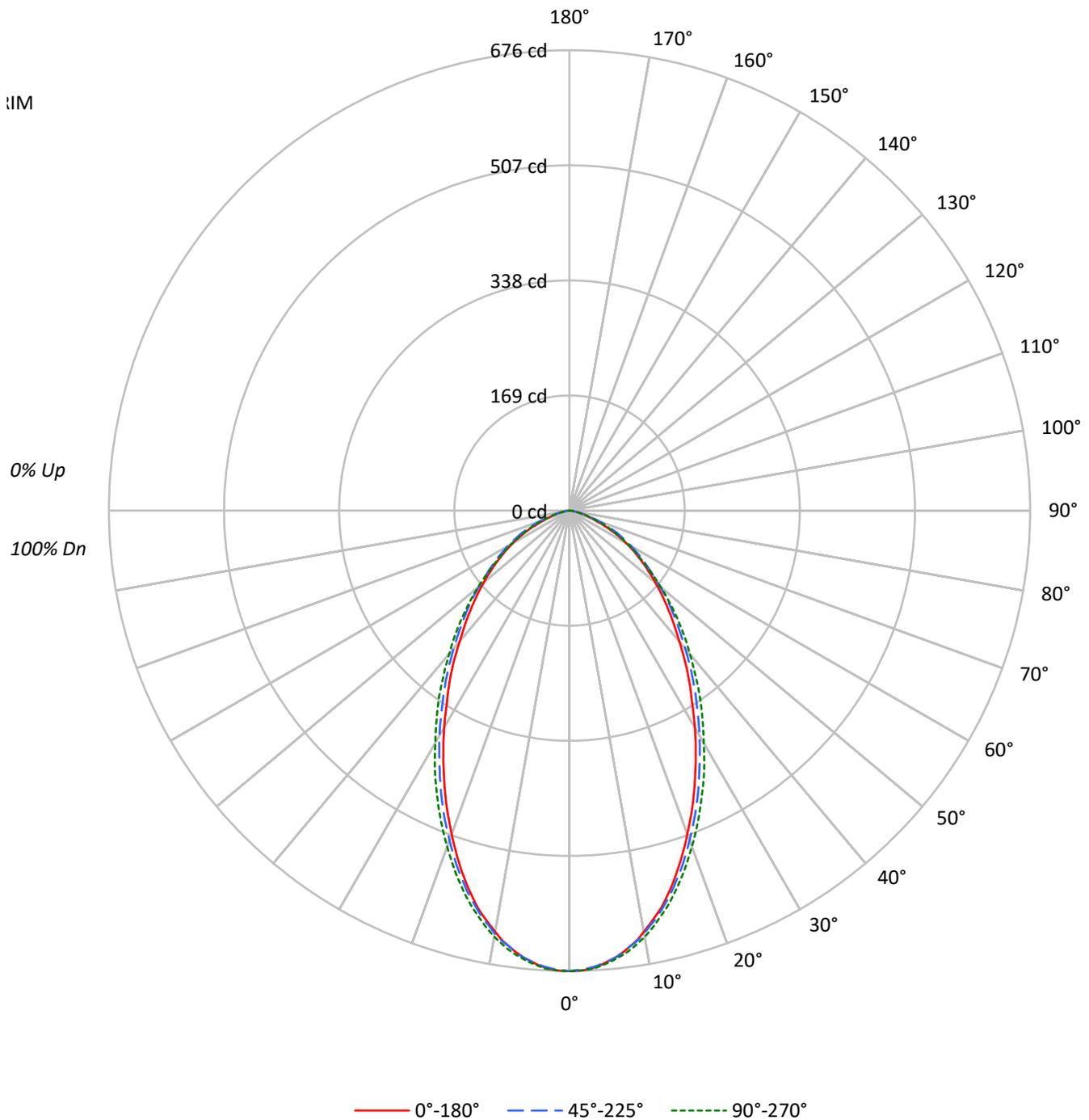
Test Method: LM-79-2019  
Report Number: P1319464  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-45)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R709835DE010 3LSQCLDWWR1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , 3LSQCLDWWR1MW TR  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1015.0 lumens  
Efficiency: N/A  
Efficacy: 49.8 lumens/watt  
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 20.4  
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: P1319464  
CATALOG NUMBER: LDSQA3D17R709835DE010 3LSQCLDWWR1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1319464

CATALOG NUMBER: LDSQA3D17R709835DE010 3LSQCLDWWR1MW

**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	100
1	111	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	89	89	89
2	103	96	91	86	101	95	89	85	91	87	83	88	84	81	85	82	80	78	78	78
3	95	87	80	75	93	85	79	74	82	77	73	80	75	71	77	74	70	68	68	68
4	89	78	71	65	87	77	70	65	75	69	64	73	67	63	71	66	62	61	61	61
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	54	54	54
6	77	65	58	52	75	64	57	52	63	56	51	61	55	51	60	55	51	49	49	49
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	44	44	44
8	68	56	48	43	66	55	48	43	54	47	42	53	47	42	51	46	42	40	40	40
9	64	52	44	39	62	51	44	39	50	44	39	49	43	39	48	43	39	37	37	37
10	60	48	41	36	59	48	41	36	47	40	36	46	40	36	45	40	36	34	34	34

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

	0°	45°	90°
0°	116423	116423	116423
5°	114741	114741	115173
10°	109842	110279	111136
15°	102379	103252	104554
20°	92646	94442	96238
25°	82757	85094	87431
30°	73183	75867	78313
35°	64482	67320	70159
40°	56273	59308	61781
45°	49905	52585	54387
50°	44048	46352	46995
55°	38674	40896	39785
60°	33377	35926	34238
65°	26488	31012	27996
70°	19135	24069	20998
75°	14706	15504	13042
80°	9720	9720	7339
85°	4940	4940	4940

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 54387 cd/sqm



TEST NUMBER: P1319464

CATALOG NUMBER: LDSQA3D17R709835DE010 3LSQCLDWWR1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.3	6.1
10°-20°	161.8	15.9
20°-30°	205.6	20.3
30°-40°	200.0	19.7
40°-50°	166.3	16.4
50°-60°	119.9	11.8
60°-70°	70.6	7.0
70°-80°	25.0	2.5
80°-90°	3.7	0.4
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°	429.7	42.3
0°-40°	629.6	62.0
0°-60°	915.8	90.2
0°-90°	1015.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1015.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	676	676	676	676	676	
5°	664	662	664	664	666	62
15°	574	574	579	583	586	160
25°	436	440	448	456	460	200
35°	307	310	320	329	334	192
45°	205	209	216	221	223	158
55°	129	132	136	135	132	116
65°	65	70	76	72	69	65
75°	22	23	23	21	20	24
85°	2	2	2	2	2	4
90°	0	0	0	0	0	



TEST NUMBER: P1319464

CATALOG NUMBER: LDSQA3D17R709835DE010 3LSQCLDWWR1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	676.0	676.0	676.0	676.0	676.0
1°	676.0	674.8	674.8	674.8	676.0
2°	674.8	673.5	673.5	673.5	674.8
3°	672.3	671.1	671.1	671.1	673.5
4°	668.6	666.2	667.4	667.4	669.8
5°	663.7	662.5	663.7	663.7	666.2
6°	658.8	657.6	658.8	658.8	661.3
7°	652.7	651.4	652.7	653.9	656.3
8°	645.3	644.1	645.3	646.5	650.2
9°	637.9	636.7	639.2	640.4	642.9
10°	628.1	628.1	630.6	631.8	635.5
11°	618.3	618.3	620.8	623.2	626.9
12°	608.5	608.5	612.2	614.6	617.1
13°	598.7	597.5	601.1	603.6	607.3
14°	586.4	585.2	590.1	593.8	597.5
15°	574.2	574.2	579.1	582.7	586.4
17.5°	541.0	542.3	548.4	553.3	557.0
20°	505.5	509.1	515.3	521.4	525.1
22.5°	471.1	473.6	482.1	489.5	493.2
25°	435.5	440.4	447.8	456.4	460.1
27.5°	401.2	406.1	413.4	422.0	428.2
30°	368.0	371.7	381.5	390.1	393.8
32.5°	334.9	339.8	349.6	358.2	363.1
35°	306.7	310.4	320.2	328.8	333.7
37.5°	278.5	282.2	292.0	299.3	303.0
40°	250.3	256.4	263.8	271.1	274.8
42.5°	227.0	231.9	239.2	245.4	249.0
45°	204.9	208.6	215.9	220.8	223.3
47.5°	184.0	187.7	195.1	197.5	198.7
50°	164.4	168.1	173.0	174.2	175.4
52.5°	146.0	148.4	153.4	153.4	152.1
55°	128.8	132.5	136.2	135.0	132.5
57.5°	112.9	114.1	120.2	117.8	115.3
60°	96.9	99.4	104.3	101.8	99.4
62.5°	81.0	83.4	89.6	87.1	83.4
65°	65.0	69.9	76.1	72.4	68.7
67.5°	49.1	55.2	61.3	57.7	55.2
70°	38.0	42.9	47.8	44.2	41.7
72.5°	29.4	31.9	34.4	31.9	29.4
75°	22.1	23.3	23.3	20.9	19.6
77.5°	15.9	17.2	14.7	12.3	12.3
80°	9.8	11.0	9.8	7.4	7.4
82.5°	4.9	6.1	4.9	4.9	4.9
85°	2.5	2.5	2.5	2.5	2.5
87.5°	1.2	1.2	1.2	1.2	1.2



TEST NUMBER: P1319464  
CATALOG NUMBER: LDSQA3D17R709835DE010 3LSQCLDWWR1MW

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)