

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: P1308371

Luminaire Tested: LDSQA3D17R709027DE010 3LSQCLDWWR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308371  
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: LDSQA3D17R709027DE010 3LSQCLDWWR1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , 3LSQCLDWWR1MW TR  
Light Source: -  
Ballast/Driver: -

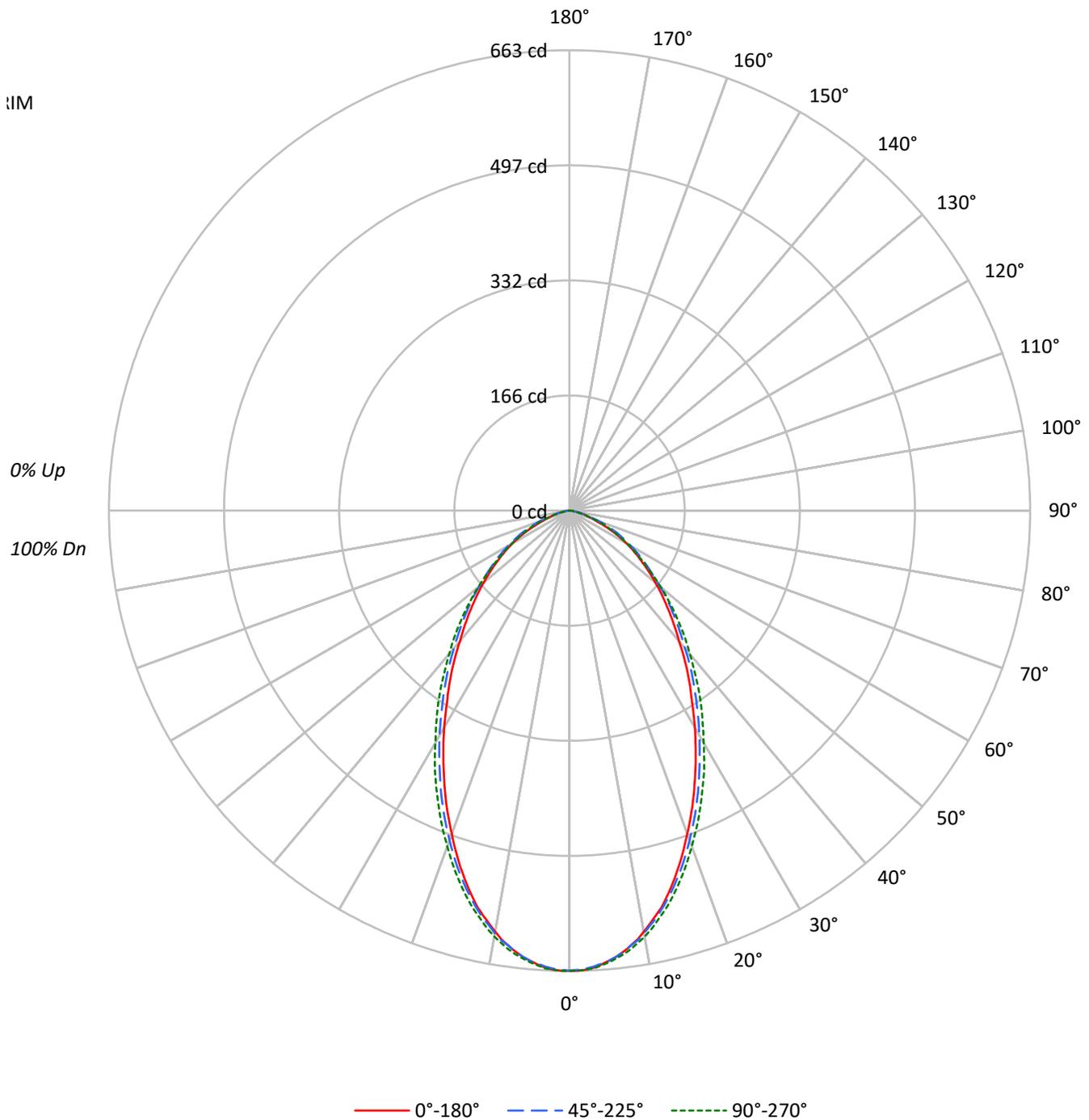
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 995.0 lumens  
Efficiency: N/A  
Efficacy: 46.9 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): 21.2  
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

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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	89
2	103	96	91	86	101	95	89	85	91	87	83	88	84	81	85	82	80	78
3	95	87	80	75	93	85	79	74	82	77	73	80	75	71	77	74	70	68
4	89	78	71	65	87	77	70	65	75	69	64	73	67	63	71	66	62	61
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	54
6	77	65	58	52	75	64	57	52	63	56	51	61	55	51	60	55	51	49
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	44
8	68	56	48	43	66	55	48	43	54	47	42	53	47	42	51	46	42	40
9	64	52	44	39	62	51	44	39	50	44	39	49	43	39	48	43	39	37
10	60	48	41	36	59	48	41	36	47	40	36	46	40	36	45	40	36	34

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

	0°	45°	90°
0°	114132	114132	114132
5°	112476	112476	112891
10°	107691	108110	108950
15°	100346	101202	102504
20°	90813	92572	94332
25°	81122	83422	85702
30°	71751	74376	76762
35°	63221	65996	68771
40°	55149	58139	60567
45°	48907	51562	53315
50°	43190	45441	46084
55°	37923	40085	39004
60°	32722	35202	33549
65°	25959	30401	27426
70°	18782	23616	20595
75°	14373	15238	12776
80°	9521	9521	7141
85°	4742	4742	4742

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 53315 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.1	6.1
10°-20°	158.6	15.9
20°-30°	201.5	20.3
30°-40°	196.0	19.7
40°-50°	163.0	16.4
50°-60°	117.5	11.8
60°-70°	69.2	7.0
70°-80°	24.5	2.5
80°-90°	3.6	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°	421.2	42.3
0°-40°	617.2	62.0
0°-60°	897.7	90.2
0°-90°	995.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	995.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	663	663	663	663	663	
5°	651	649	651	651	653	61
15°	563	563	568	571	575	157
25°	427	432	439	447	451	196
35°	301	304	314	322	327	188
45°	201	204	212	216	219	155
55°	126	130	134	132	130	113
65°	64	69	75	71	67	63
75°	22	23	23	20	19	24
85°	2	2	2	2	2	4
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	662.7	662.7	662.7	662.7	662.7
1°	662.7	661.5	661.5	661.5	662.7
2°	661.5	660.3	660.3	660.3	661.5
3°	659.1	657.8	657.8	657.8	660.3
4°	655.4	653.0	654.2	654.2	656.6
5°	650.6	649.4	650.6	650.6	653.0
6°	645.8	644.6	645.8	645.8	648.2
7°	639.8	638.6	639.8	641.0	643.4
8°	632.6	631.4	632.6	633.8	637.4
9°	625.4	624.2	626.6	627.8	630.2
10°	615.8	615.8	618.2	619.4	623.0
11°	606.1	606.1	608.5	610.9	614.6
12°	596.5	596.5	600.1	602.5	604.9
13°	586.9	585.7	589.3	591.7	595.3
14°	574.9	573.7	578.5	582.1	585.7
15°	562.8	562.8	567.6	571.3	574.9
17.5°	530.4	531.6	537.6	542.4	546.0
20°	495.5	499.1	505.1	511.1	514.7
22.5°	461.8	464.2	472.6	479.9	483.5
25°	426.9	431.8	439.0	447.4	451.0
27.5°	393.3	398.1	405.3	413.7	419.7
30°	360.8	364.4	374.0	382.4	386.0
32.5°	328.3	333.1	342.8	351.2	356.0
35°	300.7	304.3	313.9	322.3	327.1
37.5°	273.0	276.6	286.2	293.4	297.1
40°	245.3	251.4	258.6	265.8	269.4
42.5°	222.5	227.3	234.5	240.5	244.1
45°	200.8	204.5	211.7	216.5	218.9
47.5°	180.4	184.0	191.2	193.6	194.8
50°	161.2	164.8	169.6	170.8	172.0
52.5°	143.1	145.5	150.3	150.3	149.1
55°	126.3	129.9	133.5	132.3	129.9
57.5°	110.6	111.8	117.9	115.5	113.0
60°	95.0	97.4	102.2	99.8	97.4
62.5°	79.4	81.8	87.8	85.4	81.8
65°	63.7	68.6	74.6	71.0	67.3
67.5°	48.1	54.1	60.1	56.5	54.1
70°	37.3	42.1	46.9	43.3	40.9
72.5°	28.9	31.3	33.7	31.3	28.9
75°	21.6	22.9	22.9	20.4	19.2
77.5°	15.6	16.8	14.4	12.0	12.0
80°	9.6	10.8	9.6	7.2	7.2
82.5°	4.8	6.0	4.8	4.8	4.8
85°	2.4	2.4	2.4	2.4	2.4
87.5°	1.2	1.2	1.2	1.2	1.2



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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)