

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: P1320340

Luminaire Tested: LDSQA3D17R709840DE010 3LSQCLDWWR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320340
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: LDSQA3D17R709840DE010 3LSQCLDWWR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , 3LSQCLDWWR1MW TR
Light Source: -
Ballast/Driver: -

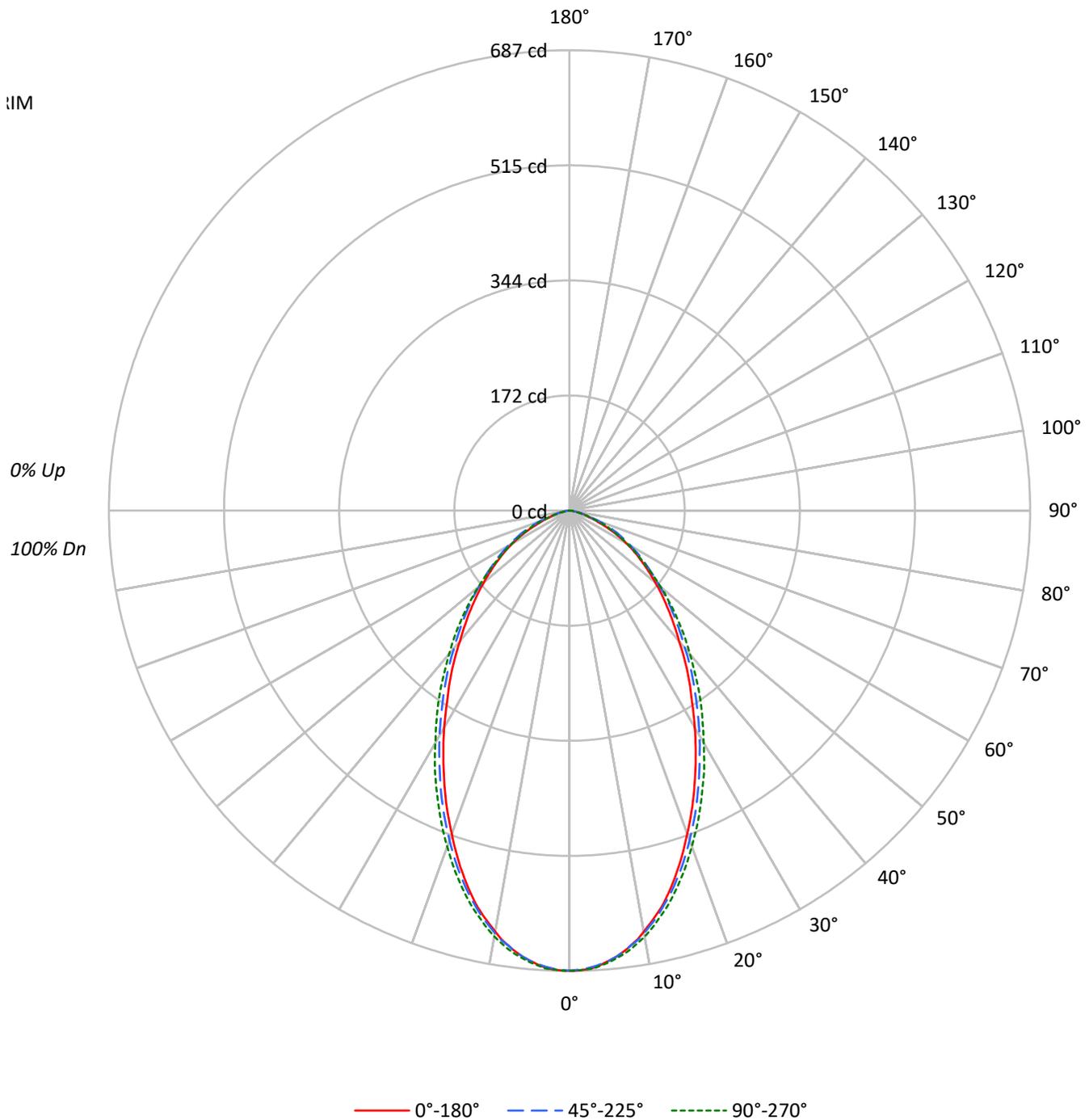
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1031.0 lumens
Efficiency: N/A
Efficacy: 50.5 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_{in}): 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°	118248	118248	118248
5°	116556	116556	116988
10°	111573	112010	112885
15°	103983	104875	106212
20°	94094	95926	97759
25°	84068	86424	88799
30°	74336	77080	79546
35°	65491	68372	71273
40°	57149	60229	62747
45°	50685	53413	55239
50°	44744	47075	47745
55°	39274	41526	40415
60°	33893	36477	34755
65°	26896	31501	28444
70°	19437	24472	21350
75°	14905	15770	13242
80°	9918	9918	7438
85°	4940	4940	4940

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 55239 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.3	6.1
10°-20°	164.3	15.9
20°-30°	208.8	20.3
30°-40°	203.1	19.7
40°-50°	168.9	16.4
50°-60°	121.8	11.8
60°-70°	71.7	7.0
70°-80°	25.4	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°	436.4	42.3
0°-40°	639.6	62.0
0°-60°	930.2	90.2
0°-90°	1031.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1031.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	687	687	687	687	687	
5°	674	673	674	674	677	63
15°	583	583	588	592	596	163
25°	442	447	455	464	467	203
35°	312	315	325	334	339	195
45°	208	212	219	224	227	161
55°	131	135	138	137	135	117
65°	66	71	77	74	70	66
75°	22	24	24	21	20	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°	686.6	686.6	686.6	686.6	686.6
1°	686.6	685.4	685.4	685.4	686.6
2°	685.4	684.1	684.1	684.1	685.4
3°	682.9	681.6	681.6	681.6	684.1
4°	679.2	676.7	677.9	677.9	680.4
5°	674.2	672.9	674.2	674.2	676.7
6°	669.2	667.9	669.2	669.2	671.7
7°	663.0	661.7	663.0	664.2	666.7
8°	655.5	654.2	655.5	656.7	660.5
9°	648.0	646.8	649.2	650.5	653.0
10°	638.0	638.0	640.5	641.8	645.5
11°	628.1	628.1	630.6	633.0	636.8
12°	618.1	618.1	621.8	624.3	626.8
13°	608.1	606.9	610.6	613.1	616.8
14°	595.7	594.4	599.4	603.1	606.9
15°	583.2	583.2	588.2	591.9	595.7
17.5°	549.6	550.8	557.0	562.0	565.8
20°	513.4	517.2	523.4	529.6	533.4
22.5°	478.5	481.0	489.7	497.2	501.0
25°	442.4	447.4	454.8	463.6	467.3
27.5°	407.5	412.5	420.0	428.7	434.9
30°	373.8	377.6	387.6	396.3	400.0
32.5°	340.2	345.2	355.2	363.9	368.9
35°	311.5	315.3	325.2	334.0	339.0
37.5°	282.9	286.6	296.6	304.1	307.8
40°	254.2	260.4	267.9	275.4	279.1
42.5°	230.5	235.5	243.0	249.2	253.0
45°	208.1	211.8	219.3	224.3	226.8
47.5°	186.9	190.7	198.1	200.6	201.9
50°	167.0	170.7	175.7	177.0	178.2
52.5°	148.3	150.8	155.8	155.8	154.5
55°	130.8	134.6	138.3	137.1	134.6
57.5°	114.6	115.9	122.1	119.6	117.1
60°	98.4	100.9	105.9	103.4	100.9
62.5°	82.2	84.7	91.0	88.5	84.7
65°	66.0	71.0	77.3	73.5	69.8
67.5°	49.8	56.1	62.3	58.6	56.1
70°	38.6	43.6	48.6	44.9	42.4
72.5°	29.9	32.4	34.9	32.4	29.9
75°	22.4	23.7	23.7	21.2	19.9
77.5°	16.2	17.4	15.0	12.5	12.5
80°	10.0	11.2	10.0	7.5	7.5
82.5°	5.0	6.2	5.0	5.0	5.0
85°	2.5	2.5	2.5	2.5	2.5
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)