

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: P1307401

Luminaire Tested: LDSQA3D17R709024DE010 3LSQCLSWWR 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307401
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-72)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R709024DE010 3LSQCLSWWR 1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , 3LSQCLSWWR 1MMS T
Light Source: -
Ballast/Driver: -

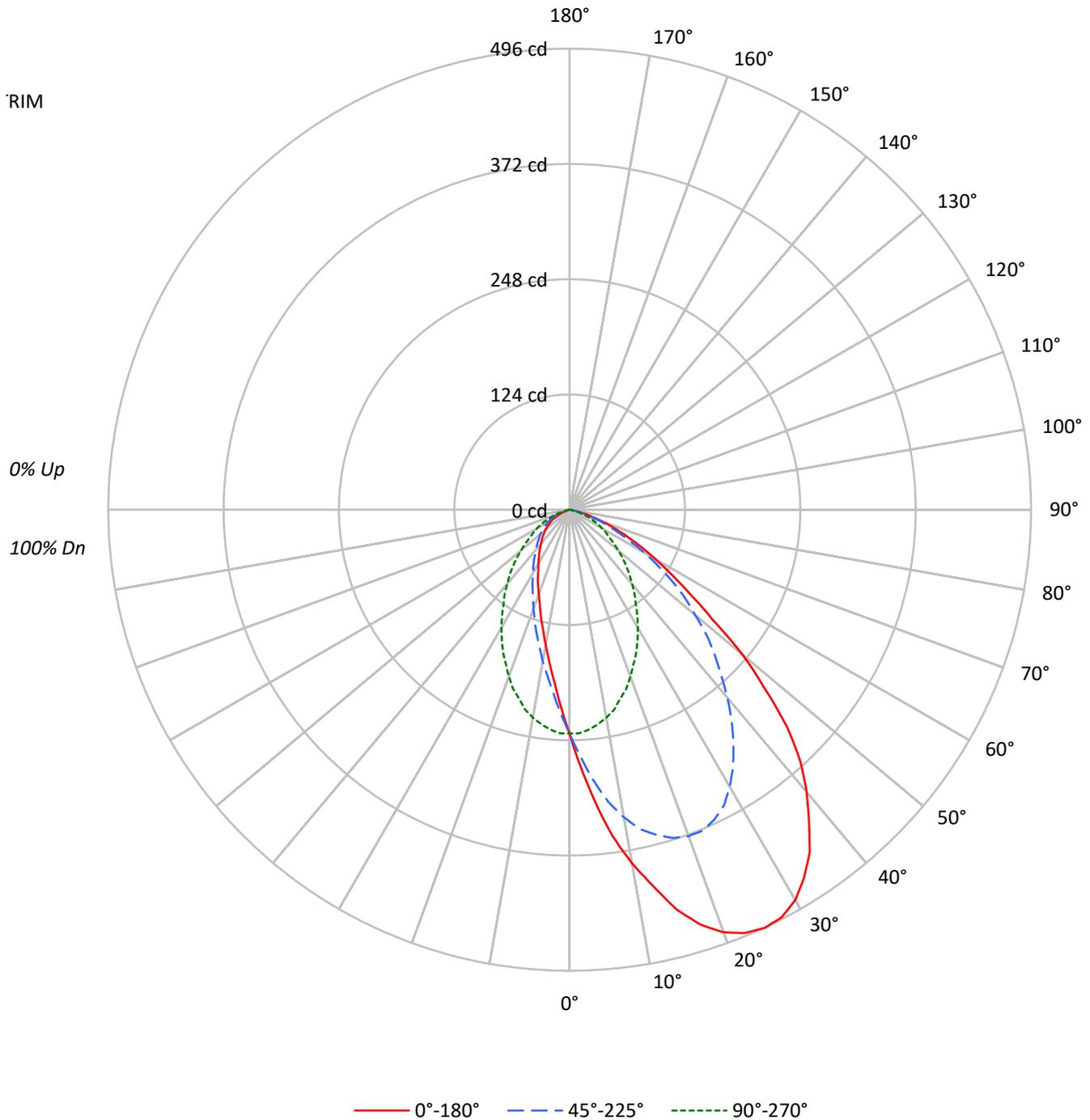
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 540.0 lumens
Efficiency: N/A
Efficacy: 25.5 lumens/watt
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29
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 (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	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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	90	90	90	89
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	79	79	79	77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	69	69	69	67
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	61	61	61	59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	54	54	54	52
6	75	64	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	48	48	48	46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	43	43	43	42
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	39	39	39	38
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	36	36	36	34
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	33	33	33	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	41454	41454	41454	41454	41454
5°	54578	50464	41025	34351	32190
10°	67521	58777	39715	28995	25812
15°	79378	64597	37460	24498	21253
20°	88669	68472	34969	20820	17686
25°	94310	69911	32153	17920	15316
30°	96430	68430	29134	15591	13324
35°	94547	64461	26028	14086	11942
40°	89096	59240	23494	12770	10724
45°	80496	53656	21019	11618	9962
50°	65107	47156	18246	10958	9136
55°	47411	40565	15674	10239	8197
60°	36752	32068	14088	9403	7440
65°	27752	23147	11573	8313	5542
70°	19437	16567	8560	6294	3424
75°	11312	9848	4525	2994	732
80°	2281	3372	1091	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 80496 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.5	4.4
10°-20°	70.2	13.0
20°-30°	105.8	19.6
30°-40°	117.6	21.8
40°-50°	104.2	19.3
50°-60°	70.8	13.1
60°-70°	37.1	6.9
70°-80°	10.5	1.9
80°-90°	0.3	0.1
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°	199.5	36.9
0°-40°	317.1	58.7
0°-60°	492.1	91.1
0°-90°	540.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	540.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	241	241	241	241	241	
5°	316	292	237	199	186	32
15°	445	362	210	137	119	126
25°	496	368	169	94	81	228
35°	450	307	124	67	57	279
45°	330	220	86	48	41	250
55°	158	135	52	34	27	146
65°	68	57	28	20	14	69
75°	17	15	7	4	1	19
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	240.7	240.7	240.7	240.7	240.7	240.7	240.7	240.7	240.7	240.7	240.7
2.5°	277.1	276.0	274.8	274.8	273.7	272.5	270.3	270.3	268.0	265.7	263.5
5°	315.7	315.7	315.7	312.3	312.3	307.8	305.5	300.9	296.4	291.9	286.2
7.5°	354.3	354.3	350.9	349.8	346.4	341.8	338.4	331.6	323.6	316.8	307.8
10°	386.1	386.1	382.7	380.4	373.6	369.1	362.3	354.3	346.4	336.1	324.8
12.5°	414.5	415.6	411.1	406.5	399.7	392.9	383.8	373.6	363.4	352.0	337.3
15°	445.2	444.0	438.3	432.7	424.7	414.5	403.1	389.5	375.9	362.3	346.4
17.5°	467.9	466.7	461.1	454.2	444.0	431.5	419.0	403.1	387.2	370.2	350.9
20°	483.8	482.6	477.0	467.9	457.7	444.0	429.3	411.1	394.1	373.6	352.0
22.5°	492.9	491.7	484.9	477.0	464.5	449.7	433.8	414.5	395.2	373.6	349.8
25°	496.3	494.0	487.2	478.1	465.6	449.7	431.5	411.1	390.7	367.9	343.0
27.5°	494.0	491.7	483.8	473.6	459.9	441.8	423.6	403.1	381.6	358.9	332.7
30°	484.9	481.5	474.7	464.5	449.7	431.5	412.2	390.7	367.9	344.1	318.0
32.5°	469.0	466.7	459.9	448.6	433.8	415.6	396.3	373.6	350.9	327.1	300.9
35°	449.7	445.2	438.3	428.1	413.4	395.2	375.9	352.0	330.5	306.6	281.6
37.5°	422.4	421.3	413.4	405.4	390.7	371.3	353.2	330.5	308.9	286.2	261.2
40°	396.3	394.1	387.2	378.2	363.4	346.4	327.1	306.6	285.0	263.5	240.7
42.5°	366.8	363.4	358.9	349.8	336.1	319.1	300.9	280.5	261.2	240.7	220.3
45°	330.5	329.3	323.6	319.1	306.6	291.9	273.7	255.5	236.2	220.3	204.4
47.5°	283.9	282.8	281.6	278.2	271.4	261.2	247.6	230.5	215.8	199.9	178.3
50°	243.0	241.9	239.6	238.5	232.8	227.1	216.9	206.7	194.2	176.0	159.0
52.5°	193.1	194.2	197.6	198.7	197.6	193.1	188.5	185.1	168.1	156.7	140.8
55°	157.9	157.9	156.7	157.9	159.0	161.3	161.3	156.7	145.4	135.1	121.5
57.5°	129.5	129.5	129.5	129.5	129.5	130.6	130.6	129.5	123.8	113.6	101.1
60°	106.7	105.6	105.6	106.7	105.6	105.6	106.7	106.7	101.1	93.1	81.8
62.5°	86.3	86.3	86.3	85.2	85.2	86.3	86.3	85.2	80.6	72.7	64.7
65°	68.1	68.1	68.1	68.1	68.1	69.3	68.1	67.0	62.5	56.8	51.1
67.5°	52.2	52.2	53.4	52.2	53.4	53.4	53.4	51.1	47.7	43.2	39.7
70°	38.6	38.6	38.6	39.7	40.9	40.9	39.7	37.5	35.2	32.9	29.5
72.5°	26.1	27.3	27.3	27.3	28.4	28.4	27.3	26.1	25.0	22.7	21.6
75°	17.0	15.9	17.0	17.0	18.2	18.2	17.0	17.0	15.9	14.8	13.6
77.5°	7.9	7.9	9.1	9.1	9.1	9.1	9.1	9.1	9.1	7.9	7.9
80°	2.3	2.3	2.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
82.5°	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	240.7	240.7	240.7	240.7	240.7	240.7	240.7	240.7
2.5°	261.2	257.8	253.2	240.7	229.4	219.2	213.5	212.4
5°	279.4	274.8	263.5	237.3	215.8	198.7	188.5	186.2
7.5°	298.7	289.6	273.7	232.8	202.1	180.6	169.2	165.8
10°	313.4	302.1	280.5	227.1	188.5	165.8	152.2	147.6
12.5°	323.6	310.0	286.2	220.3	177.2	149.9	136.3	131.7
15°	329.3	314.6	287.3	210.1	163.5	137.4	122.6	119.2
17.5°	331.6	314.6	285.0	202.1	151.0	124.9	111.3	106.7
20°	330.5	310.0	279.4	190.8	139.7	113.6	99.9	96.5
22.5°	325.9	303.2	270.3	179.4	128.3	102.2	90.8	88.6
25°	319.1	294.1	260.1	169.2	118.1	94.3	82.9	80.6
27.5°	307.8	282.8	246.4	157.9	109.0	86.3	76.1	72.7
30°	293.0	269.1	232.8	146.5	99.9	78.4	69.3	67.0
32.5°	277.1	253.2	219.2	135.1	92.0	72.7	63.6	61.3
35°	258.9	236.2	202.1	123.8	84.0	67.0	57.9	56.8
37.5°	240.7	218.0	187.4	114.7	77.2	61.3	53.4	52.2
40°	220.3	202.1	179.4	104.5	71.5	56.8	50.0	47.7
42.5°	207.8	182.8	154.4	95.4	65.9	52.2	45.4	44.3
45°	180.6	162.4	139.7	86.3	60.2	47.7	42.0	40.9
47.5°	162.4	146.5	124.9	77.2	55.6	44.3	38.6	37.5
50°	144.2	129.5	109.0	68.1	51.1	40.9	35.2	34.1
52.5°	126.1	111.3	93.1	60.2	45.4	37.5	31.8	30.7
55°	107.9	94.3	77.2	52.2	40.9	34.1	29.5	27.3
57.5°	88.6	77.2	65.9	46.6	36.3	30.7	26.1	23.8
60°	71.5	64.7	55.6	40.9	31.8	27.3	22.7	21.6
62.5°	57.9	52.2	46.6	35.2	28.4	23.8	20.4	17.0
65°	46.6	43.2	38.6	28.4	23.8	20.4	17.0	13.6
67.5°	36.3	34.1	30.7	23.8	19.3	17.0	12.5	10.2
70°	28.4	26.1	23.8	17.0	14.8	12.5	9.1	6.8
72.5°	20.4	18.2	17.0	12.5	10.2	9.1	5.7	3.4
75°	12.5	12.5	10.2	6.8	5.7	4.5	2.3	1.1
77.5°	6.8	6.8	5.7	3.4	3.4	1.1	0.0	0.0
80°	3.4	2.3	2.3	1.1	1.1	0.0	0.0	0.0
82.5°	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)