

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: P1310610

Luminaire Tested: LDSQA3D17R709035DE010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310610
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-71)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R709035DE010 3LSQCLSWWR 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , 3LSQCLSWWR 1MW TF
Light Source: -
Ballast/Driver: -

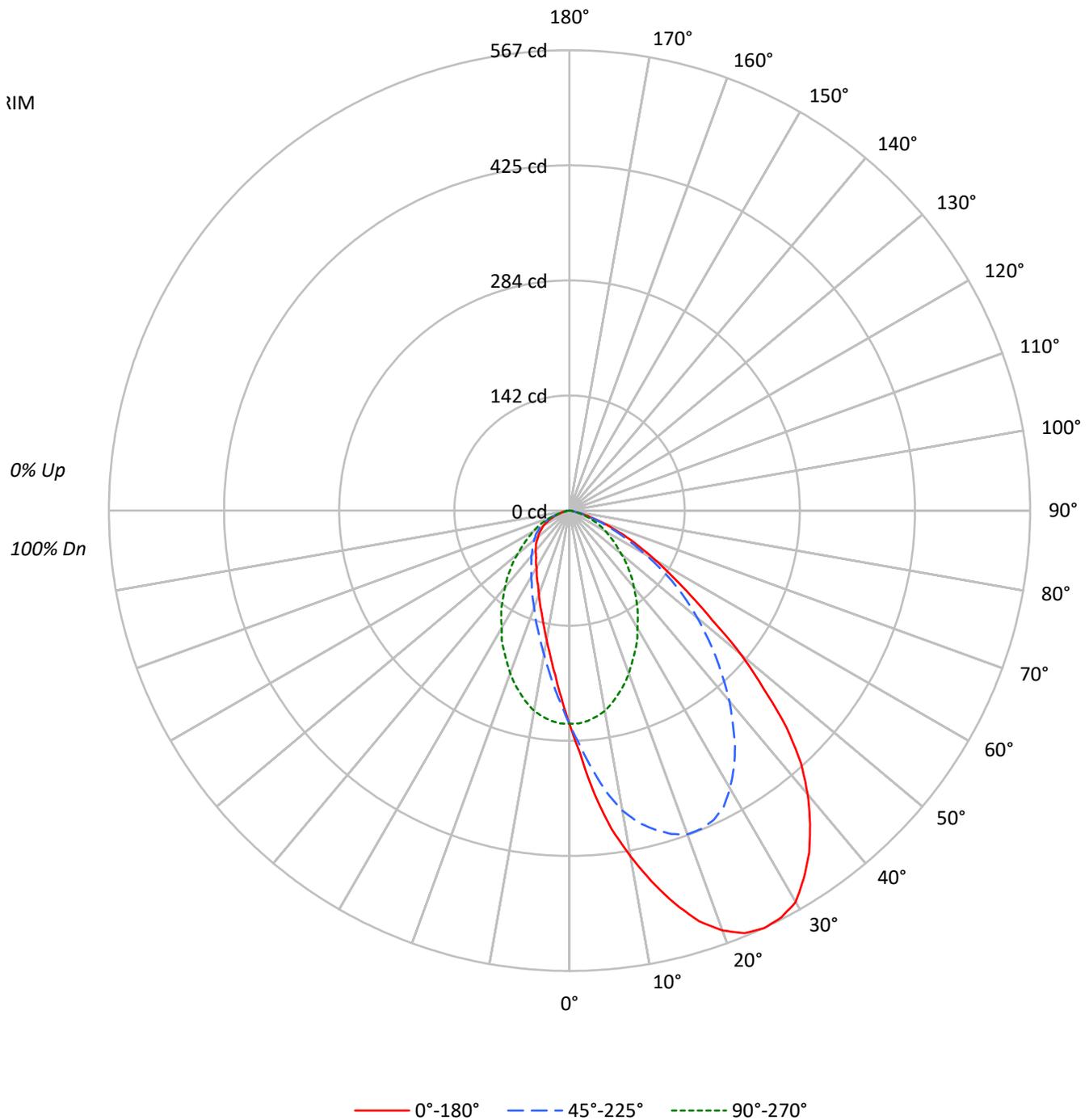
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 641.0 lumens
Efficiency: N/A
Efficacy: 30.2 lumens/watt
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33
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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	90	88	
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	78	76	
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	68	66	
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	60	58	
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	53	51	
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	47	45	
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	42	40	
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	38	36	
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	35	33	
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	32	30	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	45191	45191	45191	45191	45191
5°	60491	55218	44914	37584	35060
10°	75565	65597	43807	31531	28278
15°	89327	72549	41597	26941	23393
20°	100820	77745	39111	23313	20160
25°	107802	79849	36276	20656	17882
30°	110708	78552	33211	18713	16088
35°	108129	74679	30654	17282	15054
40°	102518	68840	27720	16389	14591
45°	92017	61986	25184	15807	14200
50°	73869	55033	22372	15272	13504
55°	54527	47351	19907	15133	13121
60°	41988	36993	17808	14604	12779
65°	31868	27548	15649	13489	11329
70°	21350	19336	12035	12035	9366
75°	11445	11445	7918	7918	7053
80°	2678	5256	3967	5256	6546
85°	0	2569	2569	5335	5335

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 92017 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.9	4.0
10°-20°	78.7	12.3
20°-30°	121.3	18.9
30°-40°	137.6	21.5
40°-50°	124.5	19.4
50°-60°	87.1	13.6
60°-70°	47.9	7.5
70°-80°	16.0	2.5
80°-90°	2.1	0.3
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°	225.8	35.2
0°-40°	363.4	56.7
0°-60°	575.0	89.7
0°-90°	641.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	641.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	262	262	262	262	262	
5°	350	319	260	217	203	36
15°	501	407	233	151	131	143
25°	567	420	191	109	94	260
35°	514	355	146	82	72	320
45°	378	254	103	65	58	286
55°	182	158	66	50	44	167
65°	78	68	38	33	28	78
75°	17	17	12	12	11	20
85°	0	1	1	3	3	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	262.4	262.4	262.4	262.4	262.4	262.4	262.4	262.4	262.4	262.4	262.4
2.5°	299.6	302.2	303.5	300.9	299.6	298.2	295.6	294.3	291.6	289.0	287.6
5°	349.9	349.9	349.9	347.3	343.3	340.6	335.3	331.4	324.7	319.4	314.1
7.5°	395.0	395.0	393.7	389.7	387.0	380.4	373.8	368.5	357.9	349.9	339.3
10°	432.1	432.1	430.8	424.2	420.2	412.2	405.6	396.3	385.7	375.1	363.2
12.5°	467.9	467.9	462.6	457.3	449.3	438.7	429.5	420.2	405.6	393.7	379.1
15°	501.0	501.0	498.4	489.1	478.5	466.6	453.3	440.1	422.8	406.9	391.0
17.5°	530.2	528.9	524.9	514.3	503.7	489.1	473.2	457.3	436.1	417.5	397.6
20°	550.1	550.1	544.8	532.8	520.9	505.0	487.8	469.2	446.7	424.2	400.3
22.5°	563.3	562.0	556.7	544.8	530.2	514.3	494.4	474.5	449.3	424.2	399.0
25°	567.3	566.0	560.7	547.4	532.8	515.6	494.4	473.2	446.7	420.2	392.3
27.5°	564.7	563.3	558.0	543.4	528.9	509.0	487.8	465.2	438.7	410.9	383.1
30°	556.7	552.7	547.4	534.2	518.3	498.4	475.8	450.7	424.2	395.0	367.2
32.5°	536.8	536.8	530.2	516.9	501.0	479.8	457.3	433.4	404.3	376.4	347.3
35°	514.3	513.0	507.7	493.1	478.5	458.6	436.1	410.9	383.1	355.2	327.4
37.5°	486.4	485.1	479.8	466.6	450.7	432.1	408.2	384.4	357.9	330.0	304.9
40°	456.0	453.3	446.7	436.1	422.8	401.6	380.4	356.6	331.4	306.2	281.0
42.5°	421.5	418.8	413.5	405.6	389.7	371.1	351.2	328.7	304.9	279.7	261.1
45°	377.8	377.8	375.1	367.2	355.2	340.6	319.4	299.6	277.0	254.5	234.6
47.5°	323.4	326.1	324.7	320.8	315.5	302.2	287.6	270.4	249.2	229.3	210.7
50°	275.7	277.0	278.3	275.7	271.7	262.4	253.2	242.6	224.0	205.4	188.2
52.5°	221.4	225.3	225.3	226.7	226.7	224.0	221.4	209.4	200.1	181.6	165.7
55°	181.6	181.6	181.6	184.2	185.6	186.9	184.2	181.6	171.0	157.7	143.2
57.5°	148.5	148.5	151.1	149.8	149.8	152.4	152.4	151.1	144.5	132.5	119.3
60°	121.9	121.9	121.9	121.9	123.3	123.3	123.3	123.3	118.0	107.4	96.8
62.5°	98.1	98.1	98.1	99.4	99.4	99.4	100.7	99.4	94.1	86.2	76.9
65°	78.2	76.9	78.2	78.2	79.5	79.5	79.5	78.2	72.9	67.6	61.0
67.5°	58.3	59.6	59.6	59.6	61.0	62.3	61.0	59.6	55.7	50.4	47.7
70°	42.4	43.7	43.7	43.7	45.1	46.4	45.1	43.7	41.1	38.4	35.8
72.5°	27.8	29.2	29.2	30.5	31.8	31.8	30.5	30.5	29.2	26.5	25.2
75°	17.2	17.2	18.6	18.6	19.9	19.9	19.9	18.6	18.6	17.2	17.2
77.5°	8.0	8.0	9.3	9.3	9.3	10.6	10.6	10.6	10.6	10.6	9.3
80°	2.7	2.7	2.7	2.7	2.7	4.0	4.0	4.0	5.3	5.3	5.3
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.7	2.7	2.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
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°	262.4	262.4	262.4	262.4	262.4	262.4	262.4	262.4
2.5°	285.0	281.0	275.7	262.4	249.2	238.6	232.0	230.6
5°	307.5	300.9	289.0	259.8	235.9	217.4	206.8	202.8
7.5°	330.0	318.1	300.9	255.8	220.0	197.5	185.6	180.3
10°	348.6	334.0	311.5	250.5	206.8	180.3	165.7	161.7
12.5°	363.2	345.9	318.1	242.6	193.5	164.4	149.8	145.8
15°	372.5	353.9	322.1	233.3	180.3	151.1	136.5	131.2
17.5°	376.4	353.9	320.8	224.0	168.3	139.2	124.6	120.6
20°	376.4	351.2	316.8	213.4	156.4	127.2	114.0	110.0
22.5°	372.5	345.9	307.5	201.5	145.8	118.0	104.7	100.7
25°	364.5	335.3	296.9	190.9	135.2	108.7	96.8	94.1
27.5°	352.6	323.4	283.7	180.3	125.9	100.7	90.1	87.5
30°	338.0	308.8	269.1	167.0	116.6	94.1	84.8	80.9
32.5°	319.4	291.6	253.2	156.4	108.7	87.5	79.5	76.9
35°	299.6	274.4	235.9	145.8	100.7	82.2	74.2	71.6
37.5°	279.7	253.2	221.4	133.9	94.1	76.9	70.2	67.6
40°	258.5	238.6	205.4	123.3	88.8	72.9	66.3	64.9
42.5°	237.3	216.1	182.9	114.0	82.2	67.6	62.3	61.0
45°	212.1	192.2	165.7	103.4	76.9	64.9	59.6	58.3
47.5°	190.9	172.3	148.5	94.1	71.6	61.0	55.7	54.3
50°	171.0	152.4	129.9	83.5	66.3	57.0	53.0	50.4
52.5°	148.5	132.5	112.7	74.2	61.0	53.0	49.0	47.7
55°	128.6	112.7	94.1	66.3	55.7	50.4	45.1	43.7
57.5°	106.0	92.8	79.5	58.3	50.4	45.1	42.4	39.8
60°	86.2	76.9	67.6	51.7	45.1	42.4	38.4	37.1
62.5°	70.2	63.6	57.0	45.1	39.8	37.1	34.5	31.8
65°	55.7	51.7	46.4	38.4	34.5	33.1	30.5	27.8
67.5°	43.7	41.1	37.1	30.5	29.2	27.8	25.2	22.5
70°	33.1	31.8	29.2	23.9	22.5	23.9	21.2	18.6
72.5°	23.9	22.5	21.2	17.2	17.2	17.2	15.9	13.3
75°	15.9	14.6	13.3	11.9	11.9	11.9	11.9	10.6
77.5°	9.3	9.3	8.0	6.6	8.0	8.0	9.3	9.3
80°	4.0	4.0	4.0	4.0	5.3	5.3	6.6	6.6
82.5°	2.7	2.7	2.7	2.7	4.0	4.0	4.0	4.0
85°	1.3	1.3	1.3	1.3	1.3	2.7	2.7	2.7
87.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)