

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: P1316828

Luminaire Tested: LDSQA3D17R709740DE010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316828
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: LDSQA3D17R709740DE010 3LSQCLSWWR 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , 3LSQCLSWWR 1MW TF
Light Source: -
Ballast/Driver: -

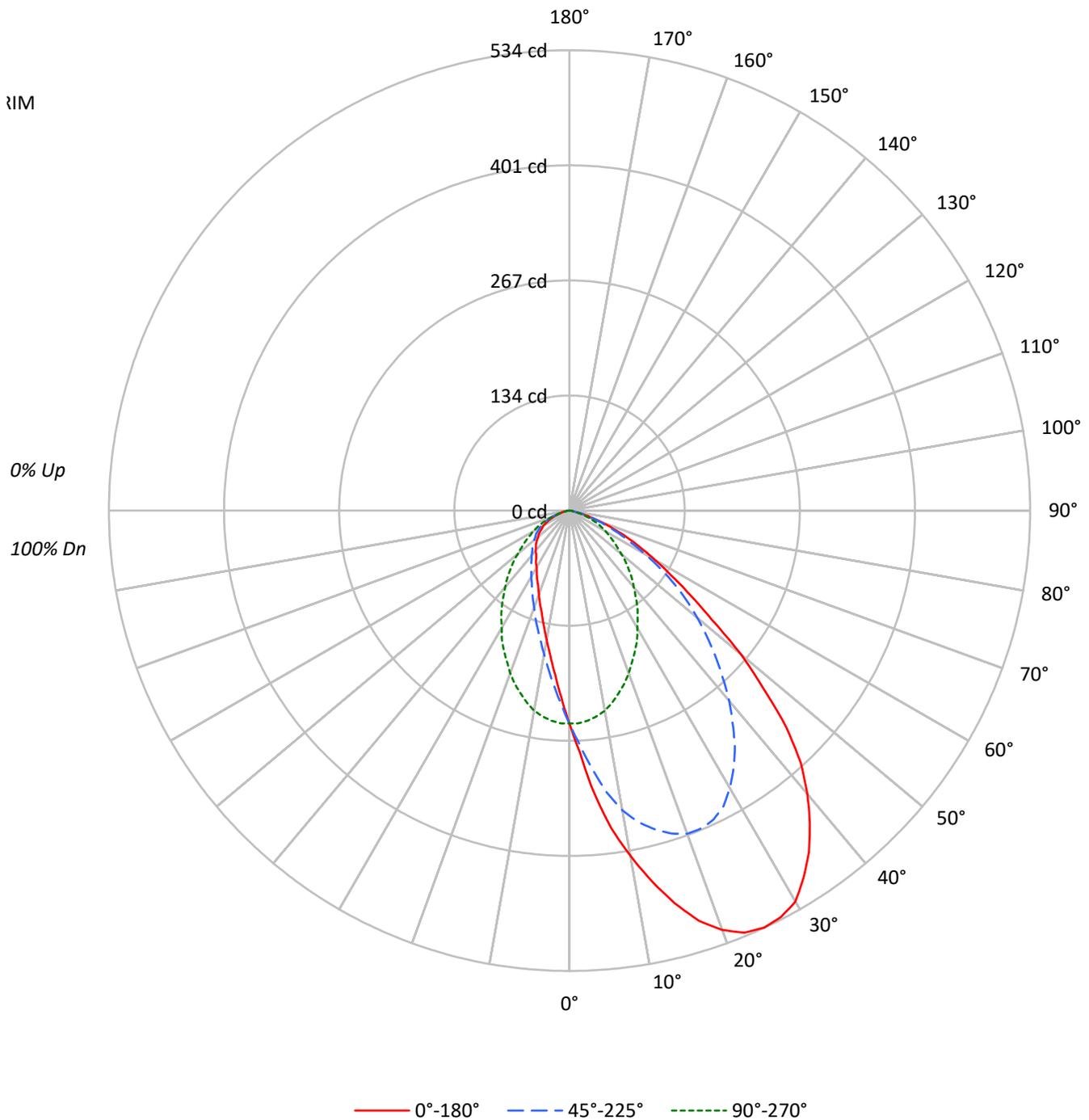
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 603.0 lumens
Efficiency: N/A
Efficacy: 28.4 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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	88	88	88	88	
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76	76	76	76	
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	66	66	66	66	
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	58	58	58	58	
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	51	51	51	51	
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	45	45	45	45	
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40	40	40	40	
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	36	36	36	36	
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	33	33	33	33	
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30	30	30	30	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	42522	42522	42522	42522	42522
5°	56912	51951	42252	35354	32986
10°	71088	61715	41219	29660	26599
15°	84032	68252	39136	25336	22002
20°	94845	73127	36783	21938	18969
25°	101417	75118	34129	19421	16817
30°	104146	73898	31242	17600	15134
35°	101717	70264	28846	16252	14149
40°	96426	64748	26079	15423	13737
45°	86561	58308	23698	14881	13371
50°	69501	51791	21059	14361	12700
55°	51285	44559	18706	14232	12341
60°	39508	34789	16740	13743	12021
65°	29993	25918	14752	12714	10677
70°	20091	18228	11279	11279	8812
75°	10780	10780	7453	7453	6654
80°	2479	4959	3670	4959	6149
85°	0	2371	2371	4940	4940

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 86561 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.4	4.0
10°-20°	74.0	12.3
20°-30°	114.1	18.9
30°-40°	129.4	21.5
40°-50°	117.1	19.4
50°-60°	81.9	13.6
60°-70°	45.0	7.5
70°-80°	15.1	2.5
80°-90°	2.0	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°	212.4	35.2
0°-40°	341.9	56.7
0°-60°	540.9	89.7
0°-90°	603.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	603.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	247	247	247	247	247	
5°	329	300	244	204	191	34
15°	471	383	220	142	123	134
25°	534	395	180	102	88	245
35°	484	334	137	77	67	301
45°	355	239	97	61	55	269
55°	171	148	62	47	41	157
65°	74	64	36	31	26	74
75°	16	16	11	11	10	19
85°	0	1	1	2	2	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°	246.9	246.9	246.9	246.9	246.9	246.9	246.9	246.9	246.9	246.9	246.9
2.5°	281.8	284.3	285.5	283.0	281.8	280.6	278.1	276.8	274.3	271.8	270.6
5°	329.2	329.2	329.2	326.7	322.9	320.5	315.5	311.7	305.5	300.5	295.5
7.5°	371.6	371.6	370.3	366.6	364.1	357.9	351.6	346.6	336.7	329.2	319.2
10°	406.5	406.5	405.2	399.0	395.3	387.8	381.5	372.8	362.8	352.9	341.6
12.5°	440.2	440.2	435.2	430.2	422.7	412.7	404.0	395.3	381.5	370.3	356.6
15°	471.3	471.3	468.8	460.1	450.1	438.9	426.4	414.0	397.8	382.8	367.8
17.5°	498.8	497.5	493.8	483.8	473.8	460.1	445.1	430.2	410.2	392.8	374.1
20°	517.5	517.5	512.5	501.3	490.0	475.1	458.9	441.4	420.2	399.0	376.6
22.5°	529.9	528.7	523.7	512.5	498.8	483.8	465.1	446.4	422.7	399.0	375.3
25°	533.7	532.4	527.4	515.0	501.3	485.0	465.1	445.1	420.2	395.3	369.1
27.5°	531.2	529.9	524.9	511.2	497.5	478.8	458.9	437.7	412.7	386.5	360.4
30°	523.7	520.0	515.0	502.5	487.5	468.8	447.6	423.9	399.0	371.6	345.4
32.5°	505.0	505.0	498.8	486.3	471.3	451.4	430.2	407.7	380.3	354.1	326.7
35°	483.8	482.5	477.6	463.8	450.1	431.4	410.2	386.5	360.4	334.2	308.0
37.5°	457.6	456.4	451.4	438.9	423.9	406.5	384.0	361.6	336.7	310.5	286.8
40°	428.9	426.4	420.2	410.2	397.8	377.8	357.9	335.4	311.7	288.0	264.3
42.5°	396.5	394.0	389.0	381.5	366.6	349.1	330.4	309.2	286.8	263.1	245.6
45°	355.4	355.4	352.9	345.4	334.2	320.5	300.5	281.8	260.6	239.4	220.7
47.5°	304.2	306.7	305.5	301.7	296.8	284.3	270.6	254.4	234.4	215.7	198.3
50°	259.4	260.6	261.8	259.4	255.6	246.9	238.2	228.2	210.7	193.3	177.1
52.5°	208.2	212.0	212.0	213.2	213.2	210.7	208.2	197.0	188.3	170.8	155.9
55°	170.8	170.8	170.8	173.3	174.6	175.8	173.3	170.8	160.8	148.4	134.7
57.5°	139.7	139.7	142.1	140.9	140.9	143.4	143.4	142.1	135.9	124.7	112.2
60°	114.7	114.7	114.7	114.7	116.0	116.0	116.0	116.0	111.0	101.0	91.0
62.5°	92.3	92.3	92.3	93.5	93.5	93.5	94.8	93.5	88.5	81.0	72.3
65°	73.6	72.3	73.6	73.6	74.8	74.8	74.8	73.6	68.6	63.6	57.4
67.5°	54.9	56.1	56.1	56.1	57.4	58.6	57.4	56.1	52.4	47.4	44.9
70°	39.9	41.1	41.1	41.1	42.4	43.6	42.4	41.1	38.7	36.2	33.7
72.5°	26.2	27.4	27.4	28.7	29.9	29.9	28.7	28.7	27.4	24.9	23.7
75°	16.2	16.2	17.5	17.5	18.7	18.7	18.7	17.5	17.5	16.2	16.2
77.5°	7.5	7.5	8.7	8.7	8.7	10.0	10.0	10.0	10.0	10.0	8.7
80°	2.5	2.5	2.5	2.5	2.5	3.7	3.7	3.7	5.0	5.0	5.0
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5	2.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
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°	246.9	246.9	246.9	246.9	246.9	246.9	246.9	246.9
2.5°	268.1	264.3	259.4	246.9	234.4	224.4	218.2	217.0
5°	289.3	283.0	271.8	244.4	221.9	204.5	194.5	190.8
7.5°	310.5	299.3	283.0	240.7	207.0	185.8	174.6	169.6
10°	327.9	314.2	293.0	235.7	194.5	169.6	155.9	152.1
12.5°	341.6	325.4	299.3	228.2	182.0	154.6	140.9	137.2
15°	350.4	332.9	303.0	219.5	169.6	142.1	128.4	123.4
17.5°	354.1	332.9	301.7	210.7	158.4	130.9	117.2	113.5
20°	354.1	330.4	298.0	200.7	147.1	119.7	107.2	103.5
22.5°	350.4	325.4	289.3	189.5	137.2	111.0	98.5	94.8
25°	342.9	315.5	279.3	179.6	127.2	102.2	91.0	88.5
27.5°	331.7	304.2	266.8	169.6	118.5	94.8	84.8	82.3
30°	318.0	290.5	253.1	157.1	109.7	88.5	79.8	76.1
32.5°	300.5	274.3	238.2	147.1	102.2	82.3	74.8	72.3
35°	281.8	258.1	221.9	137.2	94.8	77.3	69.8	67.3
37.5°	263.1	238.2	208.2	125.9	88.5	72.3	66.1	63.6
40°	243.1	224.4	193.3	116.0	83.5	68.6	62.3	61.1
42.5°	223.2	203.2	172.1	107.2	77.3	63.6	58.6	57.4
45°	199.5	180.8	155.9	97.3	72.3	61.1	56.1	54.9
47.5°	179.6	162.1	139.7	88.5	67.3	57.4	52.4	51.1
50°	160.8	143.4	122.2	78.6	62.3	53.6	49.9	47.4
52.5°	139.7	124.7	106.0	69.8	57.4	49.9	46.1	44.9
55°	120.9	106.0	88.5	62.3	52.4	47.4	42.4	41.1
57.5°	99.8	87.3	74.8	54.9	47.4	42.4	39.9	37.4
60°	81.0	72.3	63.6	48.6	42.4	39.9	36.2	34.9
62.5°	66.1	59.9	53.6	42.4	37.4	34.9	32.4	29.9
65°	52.4	48.6	43.6	36.2	32.4	31.2	28.7	26.2
67.5°	41.1	38.7	34.9	28.7	27.4	26.2	23.7	21.2
70°	31.2	29.9	27.4	22.4	21.2	22.4	20.0	17.5
72.5°	22.4	21.2	20.0	16.2	16.2	16.2	15.0	12.5
75°	15.0	13.7	12.5	11.2	11.2	11.2	11.2	10.0
77.5°	8.7	8.7	7.5	6.2	7.5	7.5	8.7	8.7
80°	3.7	3.7	3.7	3.7	5.0	5.0	6.2	6.2
82.5°	2.5	2.5	2.5	2.5	3.7	3.7	3.7	3.7
85°	1.2	1.2	1.2	1.2	1.2	2.5	2.5	2.5
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)