

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: P1324139

Luminaire Tested: LDSQA3D17R709030D2WDE010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324139
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: LDSQA3D17R709030D2WDE010 3LSQCLSWWR 1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,
3LSQCLSWWR 1MW TRIM
Light Source: -
Ballast/Driver: -

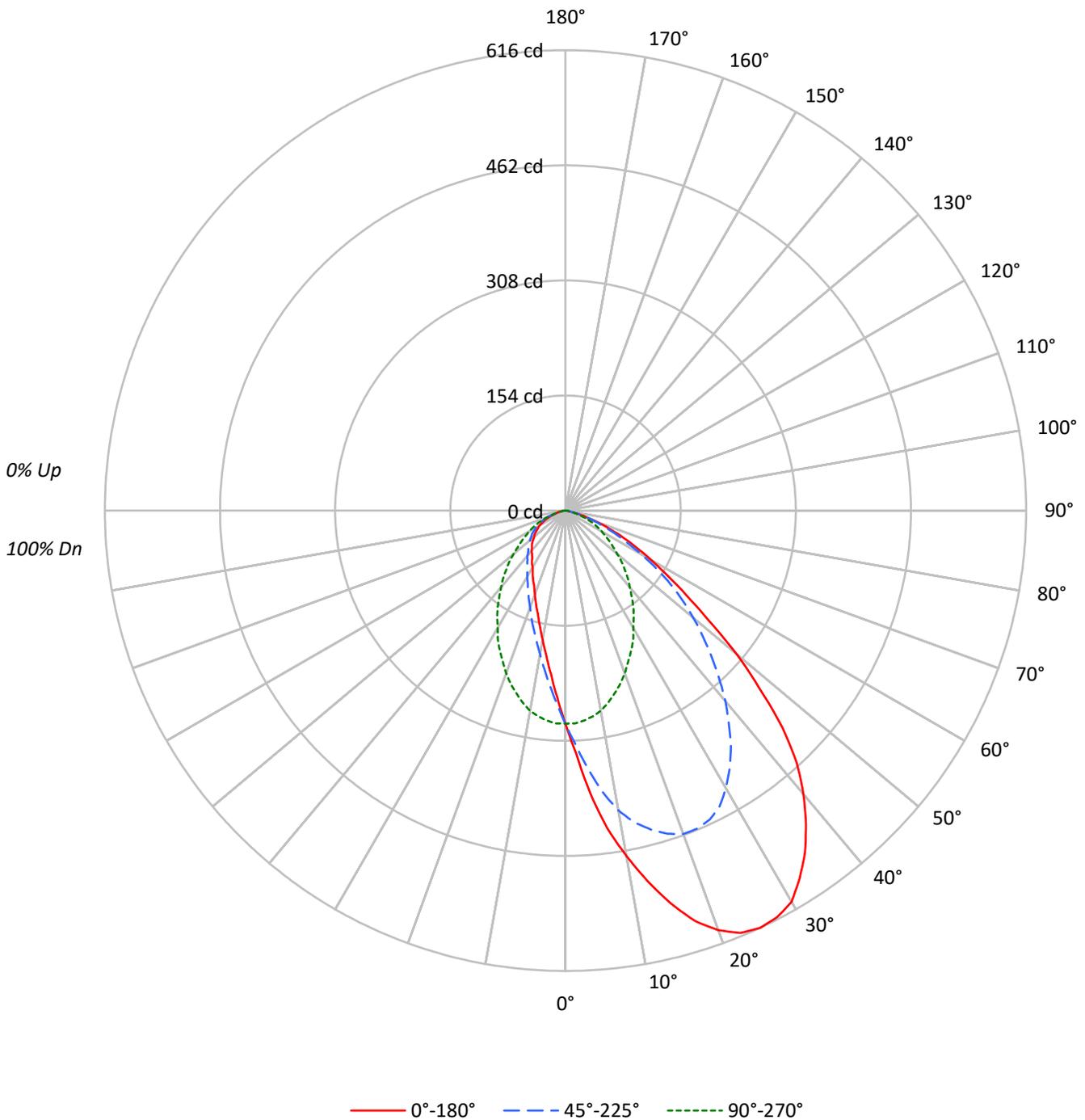
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 696.0 lumens
Efficiency: N/A
Efficacy: 25.5 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): 27.3
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	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	93	91	90	88
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	84	81	78	76
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	75	71	68	66
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	68	64	60	58
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	62	57	53	51
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	57	51	47	45
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	52	46	42	40
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	48	42	38	36
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	44	39	35	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	41	36	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	49083	49083	49083	49083	49083
5°	65677	59955	48770	40800	38068
10°	82053	71228	47567	34224	30709
15°	96994	78772	45163	29259	25407
20°	109470	84398	42465	25329	21901
25°	117056	86690	39374	22423	19421
30°	120214	85293	36054	20324	17460
35°	117401	81092	33282	18754	16336
40°	111309	74753	30081	17806	15850
45°	99908	67296	27352	17171	15417
50°	80219	59775	24301	16585	14656
55°	59211	51435	21619	16424	14262
60°	45605	40162	19323	15879	13881
65°	34598	29911	16993	14670	12307
70°	23213	20998	13042	13042	10121
75°	12443	12443	8650	8650	7652
80°	2876	5752	4265	5752	7141
85°	0	2766	2766	5730	5730

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 99908 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.1	4.0
10°-20°	85.4	12.3
20°-30°	131.7	18.9
30°-40°	149.4	21.5
40°-50°	135.2	19.4
50°-60°	94.6	13.6
60°-70°	52.0	7.5
70°-80°	17.4	2.5
80°-90°	2.3	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°	245.2	35.2
0°-40°	394.6	56.7
0°-60°	624.4	89.7
0°-90°	696.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	696.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	285	285	285	285	285	
5°	380	347	282	236	220	39
15°	544	442	253	164	142	155
25°	616	456	207	118	102	283
35°	558	386	158	89	78	347
45°	410	276	112	70	63	311
55°	197	171	72	55	48	181
65°	85	73	42	36	30	85
75°	19	19	13	13	12	22
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°	285.0	285.0	285.0	285.0	285.0	285.0	285.0	285.0	285.0	285.0	285.0
2.5°	325.3	328.1	329.6	326.7	325.3	323.8	320.9	319.5	316.6	313.7	312.3
5°	379.9	379.9	379.9	377.1	372.8	369.9	364.1	359.8	352.6	346.8	341.1
7.5°	428.9	428.9	427.4	423.1	420.2	413.1	405.9	400.1	388.6	379.9	368.4
10°	469.2	469.2	467.7	460.5	456.2	447.6	440.4	430.3	418.8	407.3	394.3
12.5°	508.0	508.0	502.3	496.5	487.9	476.4	466.3	456.2	440.4	427.4	411.6
15°	544.0	544.0	541.1	531.1	519.6	506.6	492.2	477.8	459.1	441.8	424.6
17.5°	575.7	574.2	569.9	558.4	546.9	531.1	513.8	496.5	473.5	453.3	431.8
20°	597.3	597.3	591.5	578.6	565.6	548.3	529.6	509.5	485.0	460.5	434.6
22.5°	611.7	610.2	604.5	591.5	575.7	558.4	536.8	515.2	487.9	460.5	433.2
25°	616.0	614.5	608.8	594.4	578.6	559.8	536.8	513.8	485.0	456.2	426.0
27.5°	613.1	611.7	605.9	590.1	574.2	552.7	529.6	505.2	476.4	446.2	415.9
30°	604.5	600.1	594.4	580.0	562.7	541.1	516.7	489.3	460.5	428.9	398.7
32.5°	582.9	582.9	575.7	561.3	544.0	521.0	496.5	470.6	439.0	408.7	377.1
35°	558.4	557.0	551.2	535.4	519.6	498.0	473.5	446.2	415.9	385.7	355.5
37.5°	528.2	526.7	521.0	506.6	489.3	469.2	443.3	417.4	388.6	358.4	331.0
40°	495.1	492.2	485.0	473.5	459.1	436.1	413.1	387.1	359.8	332.5	305.1
42.5°	457.7	454.8	449.0	440.4	423.1	403.0	381.4	356.9	331.0	303.7	283.5
45°	410.2	410.2	407.3	398.7	385.7	369.9	346.8	325.3	300.8	276.3	254.7
47.5°	351.2	354.0	352.6	348.3	342.5	328.1	312.3	293.6	270.6	249.0	228.8
50°	299.4	300.8	302.2	299.4	295.0	285.0	274.9	263.4	243.2	223.1	204.4
52.5°	240.3	244.7	244.7	246.1	246.1	243.2	240.3	227.4	217.3	197.2	179.9
55°	197.2	197.2	197.2	200.0	201.5	202.9	200.0	197.2	185.7	171.3	155.4
57.5°	161.2	161.2	164.1	162.6	162.6	165.5	165.5	164.1	156.9	143.9	129.5
60°	132.4	132.4	132.4	132.4	133.8	133.8	133.8	133.8	128.1	116.6	105.1
62.5°	106.5	106.5	106.5	107.9	107.9	107.9	109.4	107.9	102.2	93.5	83.5
65°	84.9	83.5	84.9	84.9	86.4	86.4	86.4	84.9	79.2	73.4	66.2
67.5°	63.3	64.8	64.8	64.8	66.2	67.6	66.2	64.8	60.4	54.7	51.8
70°	46.1	47.5	47.5	47.5	48.9	50.4	48.9	47.5	44.6	41.7	38.9
72.5°	30.2	31.7	31.7	33.1	34.5	34.5	33.1	33.1	31.7	28.8	27.3
75°	18.7	18.7	20.1	20.1	21.6	21.6	21.6	20.1	20.1	18.7	18.7
77.5°	8.6	8.6	10.1	10.1	10.1	11.5	11.5	11.5	11.5	11.5	10.1
80°	2.9	2.9	2.9	2.9	2.9	4.3	4.3	4.3	5.8	5.8	5.8
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9	2.9	2.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
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°	285.0	285.0	285.0	285.0	285.0	285.0	285.0	285.0
2.5°	309.4	305.1	299.4	285.0	270.6	259.1	251.9	250.4
5°	333.9	326.7	313.7	282.1	256.2	236.0	224.5	220.2
7.5°	358.4	345.4	326.7	277.8	238.9	214.4	201.5	195.7
10°	378.5	362.7	338.2	272.0	224.5	195.7	179.9	175.6
12.5°	394.3	375.6	345.4	263.4	210.1	178.5	162.6	158.3
15°	404.4	384.3	349.7	253.3	195.7	164.1	148.2	142.5
17.5°	408.7	384.3	348.3	243.2	182.8	151.1	135.3	131.0
20°	408.7	381.4	344.0	231.7	169.8	138.2	123.8	119.5
22.5°	404.4	375.6	333.9	218.8	158.3	128.1	113.7	109.4
25°	395.8	364.1	322.4	207.2	146.8	118.0	105.1	102.2
27.5°	382.8	351.2	308.0	195.7	136.7	109.4	97.9	95.0
30°	367.0	335.3	292.2	181.3	126.6	102.2	92.1	87.8
32.5°	346.8	316.6	274.9	169.8	118.0	95.0	86.4	83.5
35°	325.3	297.9	256.2	158.3	109.4	89.2	80.6	77.7
37.5°	303.7	274.9	240.3	145.4	102.2	83.5	76.3	73.4
40°	280.6	259.1	223.1	133.8	96.4	79.2	72.0	70.5
42.5°	257.6	234.6	198.6	123.8	89.2	73.4	67.6	66.2
45°	230.3	208.7	179.9	112.3	83.5	70.5	64.8	63.3
47.5°	207.2	187.1	161.2	102.2	77.7	66.2	60.4	59.0
50°	185.7	165.5	141.0	90.7	72.0	61.9	57.6	54.7
52.5°	161.2	143.9	122.3	80.6	66.2	57.6	53.3	51.8
55°	139.6	122.3	102.2	72.0	60.4	54.7	48.9	47.5
57.5°	115.1	100.7	86.4	63.3	54.7	48.9	46.1	43.2
60°	93.5	83.5	73.4	56.1	48.9	46.1	41.7	40.3
62.5°	76.3	69.1	61.9	48.9	43.2	40.3	37.4	34.5
65°	60.4	56.1	50.4	41.7	37.4	36.0	33.1	30.2
67.5°	47.5	44.6	40.3	33.1	31.7	30.2	27.3	24.5
70°	36.0	34.5	31.7	25.9	24.5	25.9	23.0	20.1
72.5°	25.9	24.5	23.0	18.7	18.7	18.7	17.3	14.4
75°	17.3	15.8	14.4	13.0	13.0	13.0	13.0	11.5
77.5°	10.1	10.1	8.6	7.2	8.6	8.6	10.1	10.1
80°	4.3	4.3	4.3	4.3	5.8	5.8	7.2	7.2
82.5°	2.9	2.9	2.9	2.9	4.3	4.3	4.3	4.3
85°	1.4	1.4	1.4	1.4	1.4	2.9	2.9	2.9
87.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)