

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: P1309492

Luminaire Tested: LDSQA3D17R709030DE010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309492
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: LDSQA3D17R709030DE010 3LSQCLSWWR 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , 3LSQCLSWWR 1MW TF
Light Source: -
Ballast/Driver: -

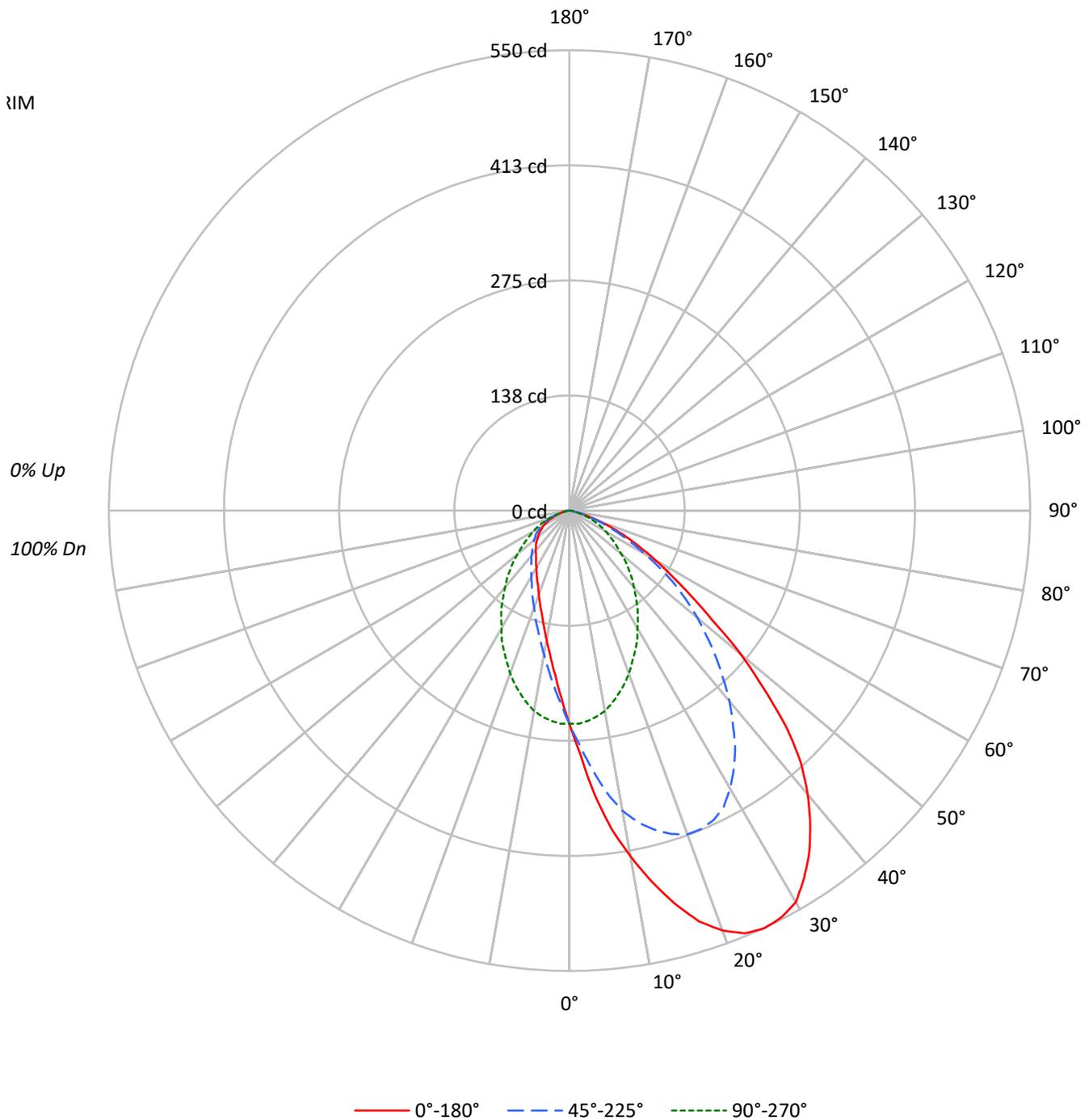
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 622.0 lumens
Efficiency: N/A
Efficacy: 29.3 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 (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	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	88
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	66
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	58
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	51
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	45
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	36
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	43865	43865	43865	43865	43865
5°	58710	53593	43583	36460	34023
10°	73327	63656	42513	30586	27439
15°	86688	70410	40367	26138	22697
20°	97832	75436	37956	22635	19574
25°	104610	77474	35193	20048	17349
30°	107427	76225	32236	18156	15611
35°	104912	72471	29750	16757	14612
40°	99461	66794	26889	15895	14164
45°	89289	60135	24429	15344	13785
50°	71672	53425	21702	14817	13102
55°	52906	45970	19307	14683	12731
60°	40748	35891	17291	14191	12400
65°	30930	26733	15200	13122	11003
70°	20746	18782	11682	11682	9064
75°	11112	11112	7719	7719	6854
80°	2579	5058	3868	5058	6347
85°	0	2569	2569	5138	5138

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 89289 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.1	4.0
10°-20°	76.3	12.3
20°-30°	117.7	18.9
30°-40°	133.5	21.5
40°-50°	120.8	19.4
50°-60°	84.5	13.6
60°-70°	46.4	7.5
70°-80°	15.5	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°	219.1	35.2
0°-40°	352.7	56.7
0°-60°	558.0	89.7
0°-90°	622.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	622.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	255	255	255	255	255	
5°	340	310	252	211	197	35
15°	486	395	226	147	127	139
25°	550	408	185	106	91	253
35°	499	345	142	80	70	310
45°	367	247	100	63	57	278
55°	176	153	64	49	42	162
65°	76	66	37	32	27	76
75°	17	17	12	12	10	19
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°	254.7	254.7	254.7	254.7	254.7	254.7	254.7	254.7	254.7	254.7	254.7
2.5°	290.7	293.2	294.5	292.0	290.7	289.4	286.8	285.5	283.0	280.4	279.1
5°	339.6	339.6	339.6	337.0	333.1	330.5	325.4	321.5	315.1	310.0	304.8
7.5°	383.3	383.3	382.0	378.1	375.6	369.1	362.7	357.6	347.3	339.6	329.3
10°	419.3	419.3	418.0	411.6	407.7	400.0	393.6	384.6	374.3	364.0	352.4
12.5°	454.0	454.0	448.9	443.7	436.0	425.7	416.7	407.7	393.6	382.0	367.8
15°	486.2	486.2	483.6	474.6	464.3	452.7	439.9	427.0	410.3	394.9	379.4
17.5°	514.5	513.2	509.3	499.0	488.7	474.6	459.2	443.7	423.2	405.1	385.9
20°	533.8	533.8	528.6	517.0	505.5	490.0	473.3	455.3	433.4	411.6	388.4
22.5°	546.6	545.3	540.2	528.6	514.5	499.0	479.7	460.5	436.0	411.6	387.1
25°	550.5	549.2	544.1	531.2	517.0	500.3	479.7	459.2	433.4	407.7	380.7
27.5°	547.9	546.6	541.5	527.3	513.2	493.9	473.3	451.5	425.7	398.7	371.7
30°	540.2	536.3	531.2	518.3	502.9	483.6	461.7	437.3	411.6	383.3	356.3
32.5°	520.9	520.9	514.5	501.6	486.2	465.6	443.7	420.6	392.3	365.3	337.0
35°	499.0	497.8	492.6	478.5	464.3	445.0	423.2	398.7	371.7	344.7	317.7
37.5°	472.0	470.7	465.6	452.7	437.3	419.3	396.1	373.0	347.3	320.3	295.8
40°	442.4	439.9	433.4	423.2	410.3	389.7	369.1	346.0	321.5	297.1	272.7
42.5°	409.0	406.4	401.3	393.6	378.1	360.1	340.8	319.0	295.8	271.4	253.4
45°	366.6	366.6	364.0	356.3	344.7	330.5	310.0	290.7	268.8	246.9	227.7
47.5°	313.8	316.4	315.1	311.3	306.1	293.2	279.1	262.4	241.8	222.5	204.5
50°	267.5	268.8	270.1	267.5	263.7	254.7	245.7	235.4	217.4	199.4	182.6
52.5°	214.8	218.7	218.7	219.9	219.9	217.4	214.8	203.2	194.2	176.2	160.8
55°	176.2	176.2	176.2	178.8	180.1	181.4	178.8	176.2	165.9	153.1	138.9
57.5°	144.1	144.1	146.6	145.3	145.3	147.9	147.9	146.6	140.2	128.6	115.8
60°	118.3	118.3	118.3	118.3	119.6	119.6	119.6	119.6	114.5	104.2	93.9
62.5°	95.2	95.2	95.2	96.5	96.5	96.5	97.7	96.5	91.3	83.6	74.6
65°	75.9	74.6	75.9	75.9	77.2	77.2	77.2	75.9	70.7	65.6	59.2
67.5°	56.6	57.9	57.9	57.9	59.2	60.5	59.2	57.9	54.0	48.9	46.3
70°	41.2	42.4	42.4	42.4	43.7	45.0	43.7	42.4	39.9	37.3	34.7
72.5°	27.0	28.3	28.3	29.6	30.9	30.9	29.6	29.6	28.3	25.7	24.4
75°	16.7	16.7	18.0	18.0	19.3	19.3	19.3	18.0	18.0	16.7	16.7
77.5°	7.7	7.7	9.0	9.0	9.0	10.3	10.3	10.3	10.3	10.3	9.0
80°	2.6	2.6	2.6	2.6	2.6	3.9	3.9	3.9	5.1	5.1	5.1
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6	2.6
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°	254.7	254.7	254.7	254.7	254.7	254.7	254.7	254.7
2.5°	276.5	272.7	267.5	254.7	241.8	231.5	225.1	223.8
5°	298.4	292.0	280.4	252.1	228.9	210.9	200.6	196.8
7.5°	320.3	308.7	292.0	248.2	213.5	191.6	180.1	174.9
10°	338.3	324.1	302.3	243.1	200.6	174.9	160.8	156.9
12.5°	352.4	335.7	308.7	235.4	187.8	159.5	145.3	141.5
15°	361.4	343.4	312.5	226.4	174.9	146.6	132.5	127.3
17.5°	365.3	343.4	311.3	217.4	163.3	135.0	120.9	117.0
20°	365.3	340.8	307.4	207.1	151.8	123.5	110.6	106.8
22.5°	361.4	335.7	298.4	195.5	141.5	114.5	101.6	97.7
25°	353.7	325.4	288.1	185.2	131.2	105.5	93.9	91.3
27.5°	342.1	313.8	275.2	174.9	122.2	97.7	87.5	84.9
30°	328.0	299.7	261.1	162.1	113.2	91.3	82.3	78.5
32.5°	310.0	283.0	245.7	151.8	105.5	84.9	77.2	74.6
35°	290.7	266.2	228.9	141.5	97.7	79.7	72.0	69.5
37.5°	271.4	245.7	214.8	129.9	91.3	74.6	68.2	65.6
40°	250.8	231.5	199.4	119.6	86.2	70.7	64.3	63.0
42.5°	230.2	209.6	177.5	110.6	79.7	65.6	60.5	59.2
45°	205.8	186.5	160.8	100.3	74.6	63.0	57.9	56.6
47.5°	185.2	167.2	144.1	91.3	69.5	59.2	54.0	52.7
50°	165.9	147.9	126.0	81.0	64.3	55.3	51.4	48.9
52.5°	144.1	128.6	109.3	72.0	59.2	51.4	47.6	46.3
55°	124.8	109.3	91.3	64.3	54.0	48.9	43.7	42.4
57.5°	102.9	90.0	77.2	56.6	48.9	43.7	41.2	38.6
60°	83.6	74.6	65.6	50.2	43.7	41.2	37.3	36.0
62.5°	68.2	61.7	55.3	43.7	38.6	36.0	33.4	30.9
65°	54.0	50.2	45.0	37.3	33.4	32.2	29.6	27.0
67.5°	42.4	39.9	36.0	29.6	28.3	27.0	24.4	21.9
70°	32.2	30.9	28.3	23.2	21.9	23.2	20.6	18.0
72.5°	23.2	21.9	20.6	16.7	16.7	16.7	15.4	12.9
75°	15.4	14.1	12.9	11.6	11.6	11.6	11.6	10.3
77.5°	9.0	9.0	7.7	6.4	7.7	7.7	9.0	9.0
80°	3.9	3.9	3.9	3.9	5.1	5.1	6.4	6.4
82.5°	2.6	2.6	2.6	2.6	3.9	3.9	3.9	3.9
85°	1.3	1.3	1.3	1.3	1.3	2.6	2.6	2.6
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)