

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: P1314726

Luminaire Tested: LDSQA3D13R709730DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314726
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-70)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R709730DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

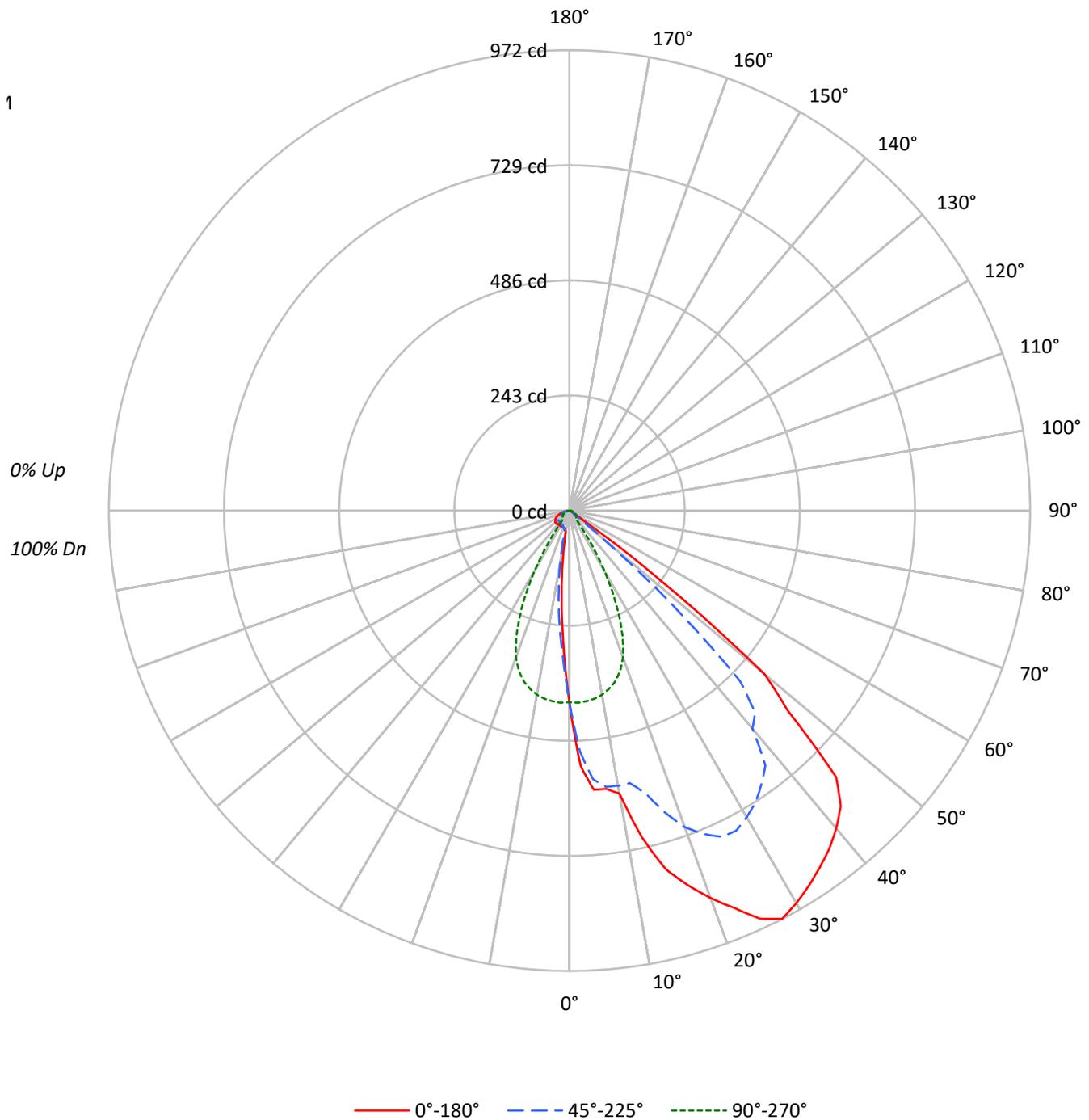
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 768.0 lumens
Efficiency: N/A
Efficacy: 52.6 lumens/watt
Spacing Criteria (0/90/45): 1.7 / 0.89 / 1.39
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	102	102	102	100
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	92	92	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	82	82	82	80
3	97	89	83	78	95	87	82	77	85	80	76	82	78	74	80	76	73	73	73	73	71
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	65	65	65	64
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	62	59	59	59	59	57
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	53	53	53	51
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	48	48	48	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	43	43	43	42
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	40	40	40	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	36	36	36	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	69630	69630	69630	69630	69630
5°	102293	98386	69896	41733	32692
10°	106064	103179	69042	19971	8079
15°	139679	110010	66505	7150	6989
20°	159560	130327	60536	6873	7019
25°	180658	144401	47526	6632	6955
30°	190275	148692	29452	6582	7457
35°	193467	148412	9713	6770	7884
40°	196898	134982	4699	7239	8611
45°	193776	123947	4871	7648	9328
50°	144066	22881	4903	8413	10262
55°	11500	3153	5225	8888	10990
60°	2411	3307	5098	8990	11401
65°	2486	3179	4972	8884	11736
70°	2216	3072	4834	8359	11430
75°	1730	2928	4059	8118	11046
80°	1686	2579	4364	7736	10414
85°	1778	3359	5138	6916	8695

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°
 Vertical Angle: 45°
 Luminance: 196114 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.8	4.8
10°-20°	103.5	13.5
20°-30°	173.7	22.6
30°-40°	208.9	27.2
40°-50°	165.6	21.6
50°-60°	53.0	6.9
60°-70°	14.8	1.9
70°-80°	8.8	1.1
80°-90°	2.8	0.4
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°	314.0	40.9
0°-40°	523.0	68.1
0°-60°	741.6	96.6
0°-90°	768.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	768.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	404	404	404	404	404	
5°	592	569	404	241	189	56
15°	783	617	373	40	39	220
25°	951	760	250	35	37	435
35°	920	706	46	32	38	576
45°	796	509	20	31	38	571
55°	38	10	17	30	37	120
65°	6	8	12	22	29	6
75°	3	4	6	12	17	3
85°	1	2	3	4	4	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°	404.3	404.3	404.3	404.3	404.3	404.3	404.3	404.3	404.3	404.3	404.3
2.5°	539.4	542.9	542.9	538.6	540.3	533.3	528.1	520.3	518.5	508.9	496.7
5°	591.7	590.0	590.0	586.5	588.2	585.6	583.0	581.3	576.0	569.1	562.1
7.5°	592.6	594.3	595.2	594.3	597.8	595.2	595.2	595.2	591.7	588.2	581.3
10°	606.5	603.9	601.3	595.2	591.7	589.1	589.1	590.0	591.7	590.0	585.6
12.5°	706.7	697.2	692.8	678.0	666.7	647.5	625.7	609.1	594.3	589.1	585.6
15°	783.4	781.7	773.0	759.0	745.1	722.4	697.2	671.9	644.9	617.0	596.9
17.5°	828.7	825.3	816.5	801.7	785.2	764.3	744.2	725.0	698.9	667.5	635.3
20°	870.6	862.7	851.4	834.0	817.4	797.4	775.6	757.3	735.5	711.1	673.6
22.5°	908.0	901.1	882.8	859.2	842.7	823.5	804.3	786.9	766.9	739.0	705.0
25°	950.7	935.1	905.4	874.9	854.9	839.2	825.3	811.3	790.4	759.9	719.8
27.5°	971.7	949.9	917.6	887.1	868.0	851.4	836.6	822.6	799.1	761.6	715.5
30°	956.8	944.6	922.0	898.5	882.8	867.1	849.7	828.7	791.3	747.7	705.0
32.5°	939.4	933.3	922.9	908.9	899.3	883.6	859.2	825.3	773.0	730.3	684.1
35°	920.2	917.6	914.1	908.0	901.9	887.1	856.6	807.0	754.7	705.9	661.4
37.5°	900.2	897.6	900.2	899.3	894.1	874.9	828.7	782.6	728.5	678.9	592.6
40°	875.8	874.1	878.4	882.8	876.7	851.4	801.7	746.0	698.0	600.4	570.8
42.5°	847.0	846.2	854.0	857.5	848.8	811.3	752.9	712.0	610.9	579.5	509.8
45°	795.6	797.4	800.9	805.2	800.0	759.0	705.9	630.9	586.5	508.9	290.2
47.5°	623.1	624.8	642.3	678.9	704.1	690.2	644.9	589.1	524.6	291.1	91.5
50°	537.7	535.9	536.8	545.5	565.6	584.7	570.8	540.3	312.8	85.4	11.3
52.5°	236.2	262.3	290.2	368.6	419.2	472.3	482.8	338.1	102.0	11.3	11.3
55°	38.3	40.1	50.5	74.1	133.3	201.3	244.0	113.3	10.5	10.5	10.5
57.5°	7.8	7.8	7.8	8.7	13.1	27.9	32.2	9.6	9.6	9.6	10.5
60°	7.0	7.0	7.0	7.0	7.8	7.8	7.8	8.7	8.7	9.6	9.6
62.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.8	7.8	8.7	8.7	9.6
65°	6.1	6.1	6.1	6.1	7.0	7.0	7.0	7.0	7.8	7.8	8.7
67.5°	5.2	5.2	5.2	5.2	6.1	6.1	6.1	7.0	7.0	7.0	7.8
70°	4.4	4.4	4.4	4.4	5.2	5.2	5.2	5.2	6.1	6.1	6.1
72.5°	3.5	3.5	3.5	3.5	4.4	4.4	4.4	4.4	5.2	5.2	5.2
75°	2.6	2.6	3.5	3.5	3.5	3.5	3.5	3.5	4.4	4.4	4.4
77.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.5	3.5	3.5	3.5
80°	1.7	1.7	1.7	1.7	1.7	1.7	2.6	2.6	2.6	2.6	2.6
82.5°	0.9	0.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7	1.7	1.7	1.7
87.5°	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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°	404.3	404.3	404.3	404.3	404.3	404.3	404.3	404.3
2.5°	488.9	476.7	460.1	406.1	356.4	311.1	288.4	285.8
5°	550.8	539.4	511.5	404.3	309.4	241.4	200.4	189.1
7.5°	574.3	564.7	540.3	400.9	264.9	173.4	127.2	109.8
10°	580.4	574.3	553.4	394.8	218.7	114.2	60.1	46.2
12.5°	583.0	578.6	558.6	385.2	172.5	59.3	41.0	41.0
15°	587.4	583.0	563.8	373.0	127.2	40.1	39.2	39.2
17.5°	606.5	592.6	570.8	354.7	83.7	38.3	38.3	38.3
20°	637.9	607.4	574.3	330.3	52.3	37.5	37.5	38.3
22.5°	664.0	623.1	573.4	293.7	38.3	35.7	36.6	37.5
25°	675.4	630.1	565.6	250.1	33.1	34.9	36.6	36.6
27.5°	673.6	632.7	558.6	200.4	31.4	34.0	35.7	37.5
30°	664.0	625.7	542.9	148.1	29.6	33.1	35.7	37.5
32.5°	647.5	598.7	511.5	95.9	28.8	33.1	35.7	37.5
35°	593.5	555.1	466.2	46.2	27.9	32.2	36.6	37.5
37.5°	562.1	508.9	355.5	22.7	27.0	32.2	36.6	37.5
40°	511.5	379.9	160.3	20.9	27.0	32.2	36.6	38.3
42.5°	321.6	156.0	26.1	20.0	26.1	32.2	36.6	38.3
45°	117.6	20.9	13.9	20.0	26.1	31.4	36.6	38.3
47.5°	12.2	12.2	13.1	19.2	25.3	31.4	36.6	38.3
50°	11.3	12.2	13.1	18.3	24.4	31.4	35.7	38.3
52.5°	11.3	12.2	13.1	18.3	23.5	30.5	35.7	38.3
55°	11.3	12.2	12.2	17.4	22.7	29.6	34.9	36.6
57.5°	10.5	11.3	12.2	16.6	21.8	27.9	34.0	35.7
60°	10.5	11.3	12.2	14.8	20.9	26.1	32.2	33.1
62.5°	9.6	10.5	11.3	13.9	19.2	24.4	29.6	31.4
65°	9.6	9.6	10.5	12.2	17.4	21.8	27.0	28.8
67.5°	7.8	8.7	8.7	10.5	14.8	19.2	24.4	26.1
70°	7.0	7.0	7.8	9.6	13.1	16.6	20.9	22.7
72.5°	6.1	6.1	6.1	7.8	11.3	14.8	18.3	20.0
75°	5.2	5.2	5.2	6.1	9.6	12.2	15.7	16.6
77.5°	4.4	4.4	4.4	5.2	7.8	10.5	12.2	13.9
80°	3.5	3.5	3.5	4.4	6.1	7.8	9.6	10.5
82.5°	2.6	2.6	2.6	3.5	4.4	5.2	7.0	7.0
85°	1.7	1.7	1.7	2.6	2.6	3.5	4.4	4.4
87.5°	0.9	0.9	0.9	1.7	1.7	1.7	1.7	1.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)