

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: P1314558

Luminaire Tested: LDSQA3D09R709730DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314558
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: LDSQA3D09R709730DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

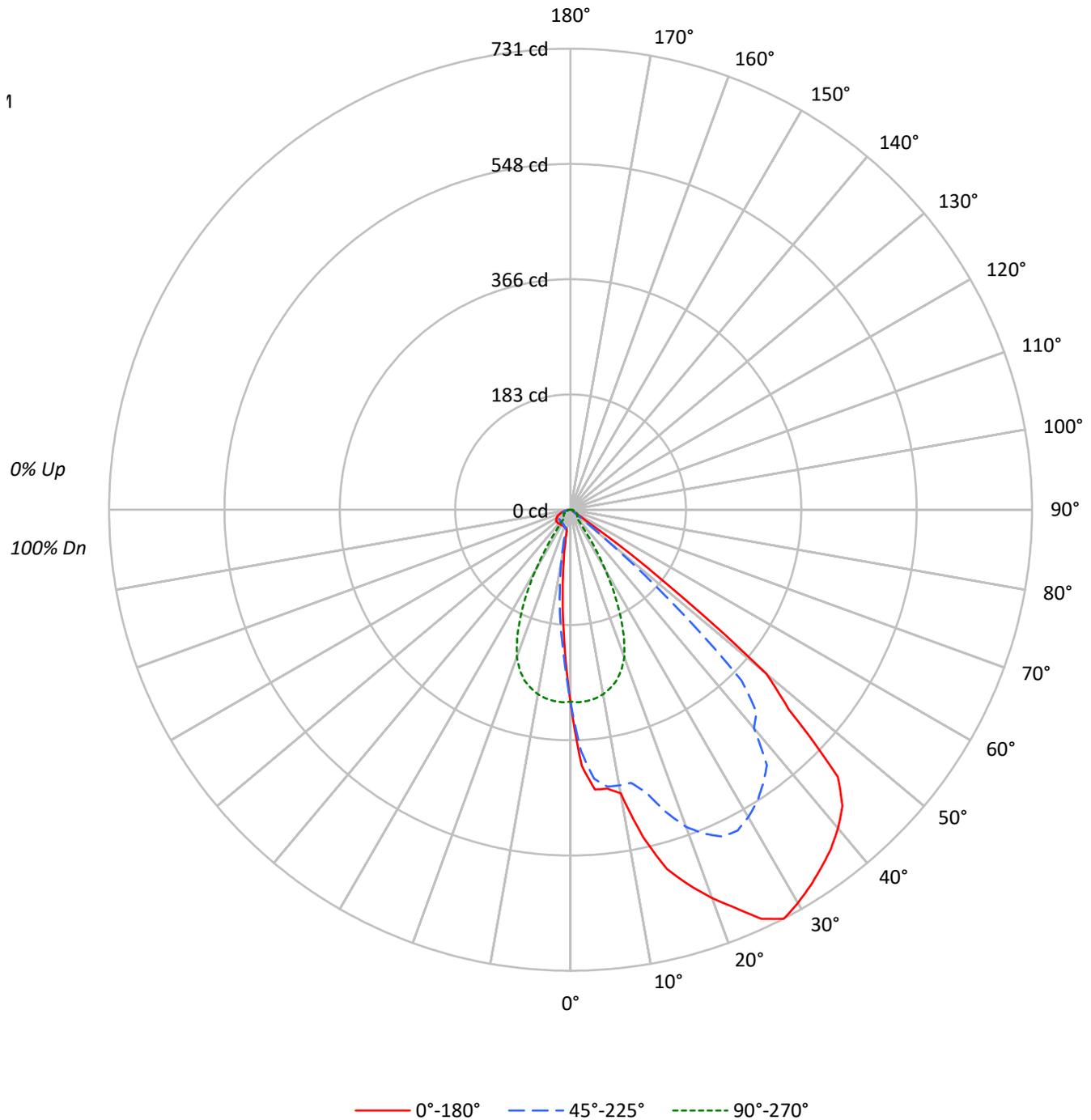
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 578.0 lumens
Efficiency: N/A
Efficacy: 52.1 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): 11.1
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	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°	52407	52407	52407	52407	52407
5°	76984	74045	52608	31412	24601
10°	79832	77646	51957	15022	6086
15°	105124	82784	50048	5385	5260
20°	120082	98089	45562	5168	5297
25°	135964	108676	35763	4979	5226
30°	143203	111902	22174	4952	5608
35°	145616	111682	7317	5109	5929
40°	148179	101596	3530	5463	6497
45°	145843	93283	3678	5748	7039
50°	108432	17228	3697	6323	7743
55°	8678	2372	3933	6696	8257
60°	1791	2480	3823	6786	8577
65°	1875	2404	3749	6683	8802
70°	1662	2316	3626	6294	8611
75°	1331	2196	3061	6122	8318
80°	1289	1984	3273	5852	7835
85°	1383	2569	3952	5138	6521

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°
 Vertical Angle: 45°
 Luminance: 147597 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.7	4.8
10°-20°	77.9	13.5
20°-30°	130.8	22.6
30°-40°	157.2	27.2
40°-50°	124.7	21.6
50°-60°	39.9	6.9
60°-70°	11.1	1.9
70°-80°	6.6	1.1
80°-90°	2.1	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°	236.3	40.9
0°-40°	393.6	68.1
0°-60°	558.1	96.6
0°-90°	578.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	578.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	304	304	304	304	304	
5°	445	428	304	182	142	42
15°	590	464	281	30	30	166
25°	716	572	188	26	28	327
35°	693	531	35	24	28	434
45°	599	383	15	24	29	430
55°	29	8	13	22	28	90
65°	5	6	9	16	22	4
75°	2	3	5	9	12	2
85°	1	1	2	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°	304.3	304.3	304.3	304.3	304.3	304.3	304.3	304.3	304.3	304.3	304.3
2.5°	406.0	408.6	408.6	405.3	406.6	401.4	397.4	391.5	390.2	383.0	373.8
5°	445.3	444.0	444.0	441.4	442.7	440.7	438.8	437.5	433.5	428.3	423.0
7.5°	446.0	447.3	447.9	447.3	449.9	447.9	447.9	447.9	445.3	442.7	437.5
10°	456.5	454.5	452.5	447.9	445.3	443.4	443.4	444.0	445.3	444.0	440.7
12.5°	531.9	524.7	521.4	510.3	501.7	487.3	470.9	458.4	447.3	443.4	440.7
15°	589.6	588.3	581.7	571.2	560.8	543.7	524.7	505.7	485.3	464.3	449.3
17.5°	623.7	621.1	614.5	603.4	590.9	575.2	560.1	545.7	526.0	502.4	478.1
20°	655.2	649.3	640.8	627.6	615.2	600.1	583.7	569.9	553.5	535.2	507.0
22.5°	683.4	678.2	664.4	646.7	634.2	619.8	605.4	592.2	577.1	556.2	530.6
25°	715.5	703.7	681.4	658.5	643.4	631.6	621.1	610.6	594.9	571.9	541.7
27.5°	731.3	714.9	690.6	667.7	653.2	640.8	629.6	619.1	601.4	573.2	538.5
30°	720.1	710.9	693.9	676.2	664.4	652.6	639.5	623.7	595.5	562.7	530.6
32.5°	707.0	702.4	694.5	684.1	676.8	665.0	646.7	621.1	581.7	549.6	514.8
35°	692.6	690.6	688.0	683.4	678.8	667.7	644.7	607.3	568.0	531.2	497.8
37.5°	677.5	675.5	677.5	676.8	672.9	658.5	623.7	589.0	548.3	510.9	446.0
40°	659.1	657.8	661.1	664.4	659.8	640.8	603.4	561.4	525.3	451.9	429.6
42.5°	637.5	636.8	642.7	645.4	638.8	610.6	566.7	535.8	459.8	436.1	383.7
45°	598.8	600.1	602.7	606.0	602.1	571.2	531.2	474.8	441.4	383.0	218.4
47.5°	468.9	470.2	483.4	510.9	529.9	519.4	485.3	443.4	394.8	219.1	68.9
50°	404.7	403.3	404.0	410.6	425.6	440.1	429.6	406.6	235.5	64.3	8.5
52.5°	177.7	197.4	218.4	277.4	315.5	355.5	363.3	254.5	76.7	8.5	8.5
55°	28.9	30.2	38.0	55.7	100.3	151.5	183.6	85.3	7.9	7.9	7.9
57.5°	5.9	5.9	5.9	6.6	9.8	21.0	24.3	7.2	7.2	7.2	7.9
60°	5.2	5.2	5.2	5.2	5.9	5.9	5.9	6.6	6.6	7.2	7.2
62.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.9	5.9	6.6	6.6	7.2
65°	4.6	4.6	4.6	4.6	5.2	5.2	5.2	5.2	5.9	5.9	6.6
67.5°	3.9	3.9	3.9	3.9	4.6	4.6	4.6	5.2	5.2	5.2	5.9
70°	3.3	3.3	3.3	3.3	3.9	3.9	3.9	3.9	4.6	4.6	4.6
72.5°	2.6	2.6	2.6	2.6	3.3	3.3	3.3	3.3	3.9	3.9	3.9
75°	2.0	2.0	2.6	2.6	2.6	2.6	2.6	2.6	3.3	3.3	3.3
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.6	2.6	2.6	2.6
80°	1.3	1.3	1.3	1.3	1.3	1.3	2.0	2.0	2.0	2.0	2.0
82.5°	0.7	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
85°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.3
87.5°	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7
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°	304.3	304.3	304.3	304.3	304.3	304.3	304.3	304.3
2.5°	367.9	358.8	346.3	305.6	268.2	234.1	217.1	215.1
5°	414.5	406.0	385.0	304.3	232.8	181.7	150.8	142.3
7.5°	432.2	425.0	406.6	301.7	199.4	130.5	95.8	82.6
10°	436.8	432.2	416.5	297.1	164.6	85.9	45.3	34.8
12.5°	438.8	435.5	420.4	289.9	129.9	44.6	30.8	30.8
15°	442.0	438.8	424.3	280.7	95.8	30.2	29.5	29.5
17.5°	456.5	446.0	429.6	266.9	63.0	28.9	28.9	28.9
20°	480.1	457.1	432.2	248.6	39.4	28.2	28.2	28.9
22.5°	499.8	468.9	431.6	221.0	28.9	26.9	27.5	28.2
25°	508.3	474.2	425.6	188.2	24.9	26.2	27.5	27.5
27.5°	507.0	476.1	420.4	150.8	23.6	25.6	26.9	28.2
30°	499.8	470.9	408.6	111.5	22.3	24.9	26.9	28.2
32.5°	487.3	450.6	385.0	72.1	21.6	24.9	26.9	28.2
35°	446.6	417.8	350.9	34.8	21.0	24.3	27.5	28.2
37.5°	423.0	383.0	267.6	17.1	20.3	24.3	27.5	28.2
40°	385.0	286.0	120.7	15.7	20.3	24.3	27.5	28.9
42.5°	242.0	117.4	19.7	15.1	19.7	24.3	27.5	28.9
45°	88.5	15.7	10.5	15.1	19.7	23.6	27.5	28.9
47.5°	9.2	9.2	9.8	14.4	19.0	23.6	27.5	28.9
50°	8.5	9.2	9.8	13.8	18.4	23.6	26.9	28.9
52.5°	8.5	9.2	9.8	13.8	17.7	23.0	26.9	28.9
55°	8.5	9.2	9.2	13.1	17.1	22.3	26.2	27.5
57.5°	7.9	8.5	9.2	12.5	16.4	21.0	25.6	26.9
60°	7.9	8.5	9.2	11.1	15.7	19.7	24.3	24.9
62.5°	7.2	7.9	8.5	10.5	14.4	18.4	22.3	23.6
65°	7.2	7.2	7.9	9.2	13.1	16.4	20.3	21.6
67.5°	5.9	6.6	6.6	7.9	11.1	14.4	18.4	19.7
70°	5.2	5.2	5.9	7.2	9.8	12.5	15.7	17.1
72.5°	4.6	4.6	4.6	5.9	8.5	11.1	13.8	15.1
75°	3.9	3.9	3.9	4.6	7.2	9.2	11.8	12.5
77.5°	3.3	3.3	3.3	3.9	5.9	7.9	9.2	10.5
80°	2.6	2.6	2.6	3.3	4.6	5.9	7.2	7.9
82.5°	2.0	2.0	2.0	2.6	3.3	3.9	5.2	5.2
85°	1.3	1.3	1.3	2.0	2.0	2.6	3.3	3.3
87.5°	0.7	0.7	0.7	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)