

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: P1307065

Luminaire Tested: LDSQA3D09R709024DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307065
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: LDSQA3D09R709024DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

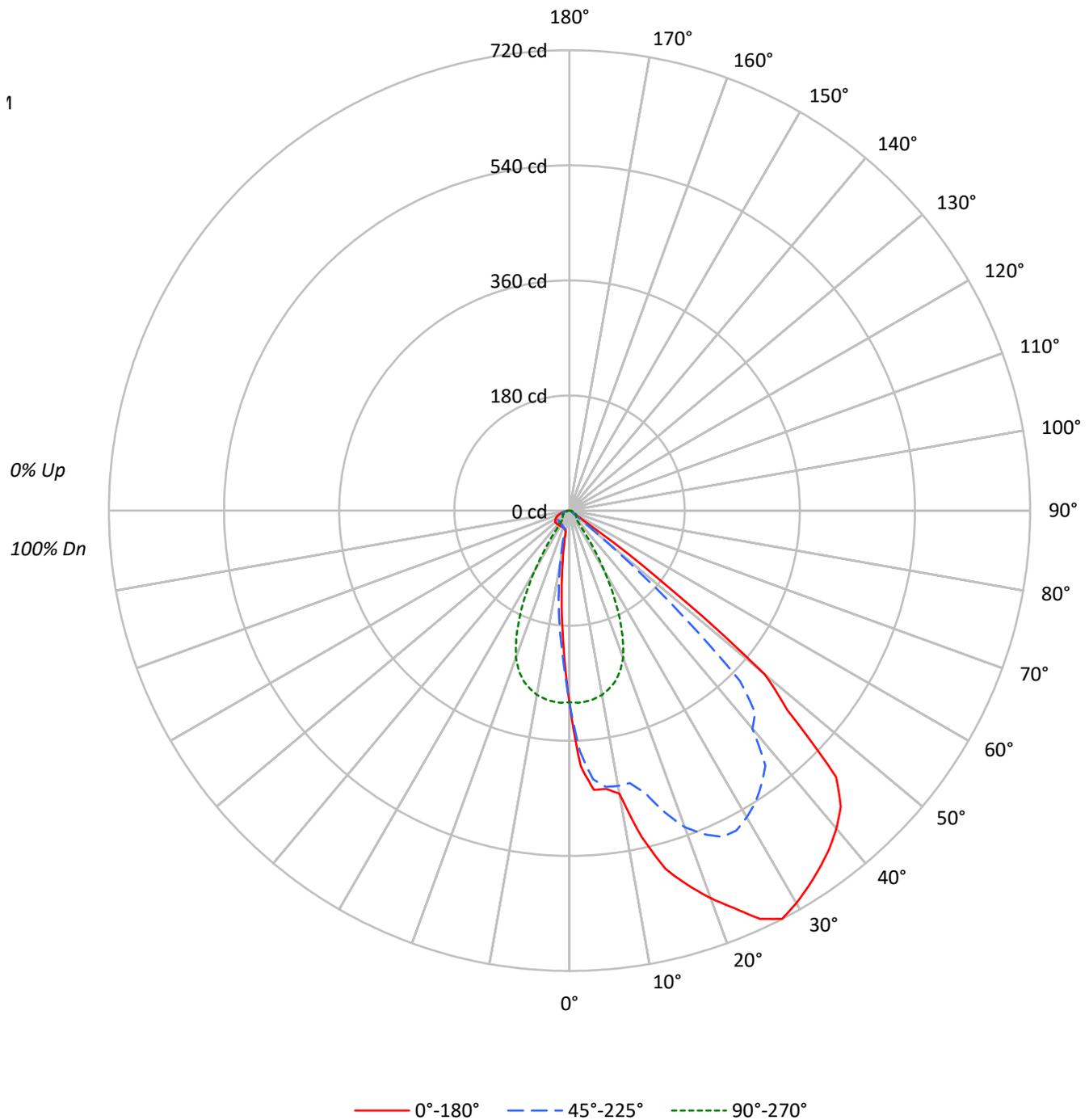
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 569.0 lumens
Efficiency: N/A
Efficacy: 51.3 lumens/watt
Spacing Criteria (0/90/45): 1.69 / 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 (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	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	87	84	82	80
3	97	89	83	78	95	87	82	77	85	80	76	82	78	74	80	76	73	80	76	73	71
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	73	69	65	64
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	62	59	67	62	59	57
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	62	57	53	51
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	57	52	48	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	53	47	43	42
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	49	44	40	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	45	40	36	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	51598	51598	51598	51598	51598
5°	75791	72886	51795	30911	24221
10°	78591	76440	51152	14795	5981
15°	103484	81500	49264	5295	5188
20°	118213	96550	44848	5095	5205
25°	133855	106985	35212	4903	5150
30°	140976	110172	21835	4872	5528
35°	143345	109958	7190	5025	5845
40°	145886	100000	3485	5373	6385
45°	143578	91846	3605	5651	6917
50°	106744	16960	3644	6216	7609
55°	8527	2312	3873	6606	8137
60°	1791	2446	3789	6682	8439
65°	1834	2364	3668	6561	8680
70°	1611	2266	3575	6194	8460
75°	1264	2129	2994	5989	8185
80°	1289	1884	3174	5752	7637
85°	1186	2569	3754	5138	6323

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°
 Vertical Angle: 45°
 Luminance: 145308 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.3	4.8
10°-20°	76.7	13.5
20°-30°	128.7	22.6
30°-40°	154.8	27.2
40°-50°	122.7	21.6
50°-60°	39.3	6.9
60°-70°	11.0	1.9
70°-80°	6.5	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°	232.7	40.9
0°-40°	387.5	68.1
0°-60°	549.4	96.6
0°-90°	569.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	569.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	300	300	300	300	300	
5°	438	422	300	179	140	41
15°	580	457	276	30	29	163
25°	704	563	185	26	27	322
35°	682	523	34	24	28	427
45°	590	377	15	23	28	423
55°	28	8	13	22	27	89
65°	4	6	9	16	21	4
75°	2	3	4	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°	299.6	299.6	299.6	299.6	299.6	299.6	299.6	299.6	299.6	299.6	299.6
2.5°	399.7	402.2	402.2	399.0	400.3	395.1	391.3	385.4	384.2	377.1	368.0
5°	438.4	437.1	437.1	434.5	435.8	433.9	431.9	430.6	426.8	421.6	416.4
7.5°	439.0	440.3	441.0	440.3	442.9	441.0	441.0	441.0	438.4	435.8	430.6
10°	449.4	447.4	445.5	441.0	438.4	436.5	436.5	437.1	438.4	437.1	433.9
12.5°	523.6	516.5	513.3	502.3	493.9	479.7	463.6	451.3	440.3	436.5	433.9
15°	580.4	579.1	572.7	562.4	552.0	535.2	516.5	497.8	477.8	457.1	442.3
17.5°	614.0	611.4	605.0	594.0	581.7	566.2	551.4	537.2	517.8	494.6	470.7
20°	645.0	639.2	630.8	617.9	605.6	590.8	574.6	561.1	544.9	526.8	499.1
22.5°	672.8	667.6	654.0	636.6	624.3	610.1	595.9	583.0	568.2	547.5	522.3
25°	704.4	692.8	670.8	648.2	633.4	621.8	611.4	601.1	585.6	563.0	533.3
27.5°	719.9	703.7	679.9	657.3	643.1	630.8	619.8	609.5	592.1	564.3	530.1
30°	708.9	699.9	683.1	665.7	654.0	642.4	629.5	614.0	586.2	554.0	522.3
32.5°	696.0	691.5	683.7	673.4	666.3	654.7	636.6	611.4	572.7	541.0	506.8
35°	681.8	679.9	677.3	672.8	668.2	657.3	634.7	597.9	559.1	523.0	490.0
37.5°	666.9	665.0	666.9	666.3	662.4	648.2	614.0	579.8	539.8	503.0	439.0
40°	648.9	647.6	650.8	654.0	649.5	630.8	594.0	552.7	517.2	444.8	422.9
42.5°	627.6	626.9	632.7	635.3	628.9	601.1	557.8	527.5	452.6	429.3	377.7
45°	589.5	590.8	593.3	596.6	592.7	562.4	523.0	467.4	434.5	377.1	215.0
47.5°	461.6	462.9	475.8	503.0	521.7	511.3	477.8	436.5	388.7	215.6	67.8
50°	398.4	397.1	397.7	404.2	419.0	433.2	422.9	400.3	231.8	63.3	8.4
52.5°	175.0	194.3	215.0	273.1	310.6	349.9	357.7	250.5	75.5	8.4	8.4
55°	28.4	29.7	37.4	54.9	98.8	149.1	180.8	83.9	7.7	7.7	7.7
57.5°	5.8	5.8	5.8	6.5	9.7	20.7	23.9	7.1	7.1	7.1	7.7
60°	5.2	5.2	5.2	5.2	5.8	5.8	5.8	6.5	6.5	7.1	7.1
62.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.8	5.8	6.5	6.5	7.1
65°	4.5	4.5	4.5	4.5	5.2	5.2	5.2	5.2	5.8	5.8	6.5
67.5°	3.9	3.9	3.9	3.9	4.5	4.5	4.5	5.2	5.2	5.2	5.8
70°	3.2	3.2	3.2	3.2	3.9	3.9	3.9	3.9	4.5	4.5	4.5
72.5°	2.6	2.6	2.6	2.6	3.2	3.2	3.2	3.2	3.9	3.9	3.9
75°	1.9	1.9	2.6	2.6	2.6	2.6	2.6	2.6	3.2	3.2	3.2
77.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.6	2.6	2.6	2.6
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.9	1.9	1.9	1.9	1.9
82.5°	0.6	0.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
85°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.3	1.3	1.3	1.3
87.5°	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6
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°	299.6	299.6	299.6	299.6	299.6	299.6	299.6	299.6
2.5°	362.2	353.2	340.9	300.9	264.1	230.5	213.7	211.8
5°	408.0	399.7	379.0	299.6	229.2	178.8	148.5	140.1
7.5°	425.5	418.4	400.3	297.0	196.3	128.5	94.3	81.4
10°	430.0	425.5	410.0	292.5	162.1	84.6	44.5	34.2
12.5°	431.9	428.7	413.9	285.4	127.8	43.9	30.3	30.3
15°	435.2	431.9	417.7	276.3	94.3	29.7	29.1	29.1
17.5°	449.4	439.0	422.9	262.8	62.0	28.4	28.4	28.4
20°	472.6	450.0	425.5	244.7	38.7	27.8	27.8	28.4
22.5°	492.0	461.6	424.8	217.6	28.4	26.5	27.1	27.8
25°	500.4	466.8	419.0	185.3	24.5	25.8	27.1	27.1
27.5°	499.1	468.7	413.9	148.5	23.2	25.2	26.5	27.8
30°	492.0	463.6	402.2	109.8	22.0	24.5	26.5	27.8
32.5°	479.7	443.6	379.0	71.0	21.3	24.5	26.5	27.8
35°	439.7	411.3	345.4	34.2	20.7	23.9	27.1	27.8
37.5°	416.4	377.1	263.4	16.8	20.0	23.9	27.1	27.8
40°	379.0	281.5	118.8	15.5	20.0	23.9	27.1	28.4
42.5°	238.2	115.6	19.4	14.8	19.4	23.9	27.1	28.4
45°	87.2	15.5	10.3	14.8	19.4	23.2	27.1	28.4
47.5°	9.0	9.0	9.7	14.2	18.7	23.2	27.1	28.4
50°	8.4	9.0	9.7	13.6	18.1	23.2	26.5	28.4
52.5°	8.4	9.0	9.7	13.6	17.4	22.6	26.5	28.4
55°	8.4	9.0	9.0	12.9	16.8	22.0	25.8	27.1
57.5°	7.7	8.4	9.0	12.3	16.1	20.7	25.2	26.5
60°	7.7	8.4	9.0	11.0	15.5	19.4	23.9	24.5
62.5°	7.1	7.7	8.4	10.3	14.2	18.1	22.0	23.2
65°	7.1	7.1	7.7	9.0	12.9	16.1	20.0	21.3
67.5°	5.8	6.5	6.5	7.7	11.0	14.2	18.1	19.4
70°	5.2	5.2	5.8	7.1	9.7	12.3	15.5	16.8
72.5°	4.5	4.5	4.5	5.8	8.4	11.0	13.6	14.8
75°	3.9	3.9	3.9	4.5	7.1	9.0	11.6	12.3
77.5°	3.2	3.2	3.2	3.9	5.8	7.7	9.0	10.3
80°	2.6	2.6	2.6	3.2	4.5	5.8	7.1	7.7
82.5°	1.9	1.9	1.9	2.6	3.2	3.9	5.2	5.2
85°	1.3	1.3	1.3	1.9	1.9	2.6	3.2	3.2
87.5°	0.6	0.6	0.6	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)