

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: P1310110

Luminaire Tested: LDSQA3D05R659035DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310110  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-68)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R659035DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R65 optic, 3500K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

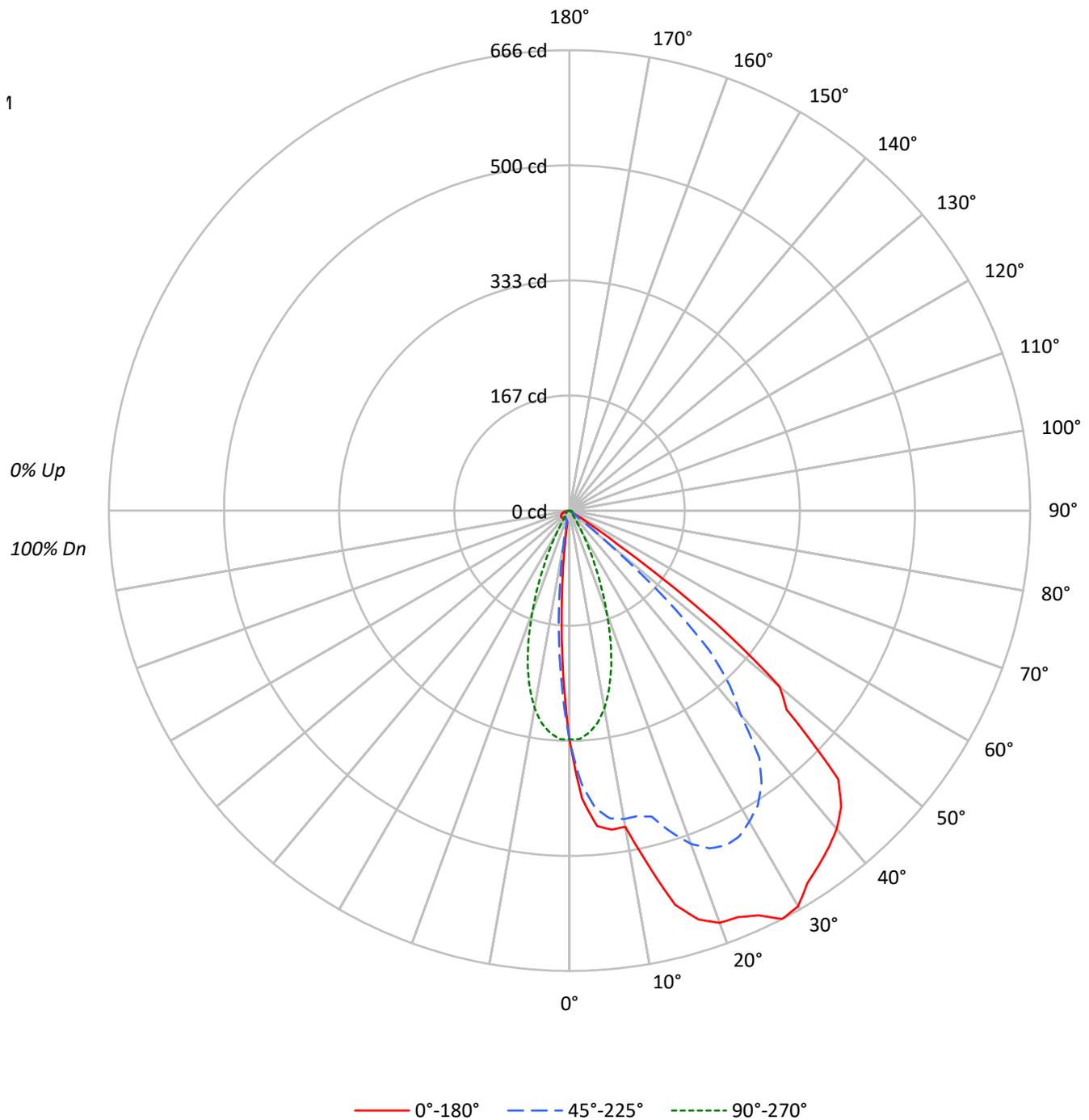
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 496.0 lumens  
Efficiency: N/A  
Efficacy: 68.9 lumens/watt  
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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	109	106	103	110	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	81	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	64	60	58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	63	58	54	53
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	58	53	49	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	45	41	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	47	42	38	36

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	56988	56988	56988	56988	56988
5°	79214	74771	55789	30652	21558
10°	81214	79238	50750	8569	3148
15°	105231	81696	41543	2764	2657
20°	116288	94002	28903	2456	2548
25°	122738	101569	16361	2356	2546
30°	131410	103331	7378	2367	2665
35°	131887	101759	2376	2502	2922
40°	135117	86444	1619	2675	3237
45°	133836	69682	1632	2898	3507
50°	106208	16424	1661	3188	3992
55°	25222	931	1711	3573	4474
60°	896	1068	1963	3720	4788
65°	1060	1060	1875	3994	5257
70°	755	1057	1813	3877	5438
75°	665	998	1730	4126	5456
80°	496	992	2083	4066	5653
85°	988	1976	1976	4150	5138

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 10°  
 Vertical Angle: 45°  
 Luminance: 134080 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.6	5.6
10°-20°	72.7	14.7
20°-30°	114.2	23.0
30°-40°	130.7	26.4
40°-50°	105.1	21.2
50°-60°	34.2	6.9
60°-70°	6.1	1.2
70°-80°	4.0	0.8
80°-90°	1.4	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°	214.6	43.3
0°-40°	345.3	69.6
0°-60°	484.5	97.7
0°-90°	496.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	496.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	331	331	331	331	331	
5°	458	432	323	177	125	43
15°	590	458	233	16	15	164
25°	646	534	86	12	13	301
35°	627	484	11	12	14	394
45°	550	286	7	12	14	395
55°	84	3	6	12	15	120
65°	3	3	5	10	13	2
75°	1	2	3	6	8	1
85°	0	1	1	2	3	0
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°	330.9	330.9	330.9	330.9	330.9	330.9	330.9	330.9	330.9	330.9	330.9
2.5°	416.5	414.9	417.0	413.4	412.9	409.3	407.2	406.2	401.5	395.3	389.7
5°	458.2	452.0	453.6	453.1	450.5	449.0	446.9	444.3	438.1	432.5	425.2
7.5°	465.4	460.3	461.3	461.8	460.3	459.8	459.3	458.2	454.1	449.0	442.8
10°	464.4	459.3	458.7	457.2	455.7	456.2	456.2	456.2	455.1	453.1	451.0
12.5°	524.2	517.0	515.4	504.6	494.8	477.8	467.0	456.7	452.0	452.6	451.0
15°	590.2	589.7	584.5	574.2	557.7	542.2	517.5	499.0	475.2	458.2	451.0
17.5°	620.1	619.6	614.9	606.2	594.3	579.9	561.8	540.2	513.9	487.6	466.0
20°	634.5	638.1	633.0	625.7	614.4	601.0	584.0	564.4	539.7	512.9	487.1
22.5°	636.6	641.2	636.6	631.4	623.2	614.4	600.0	579.9	554.6	528.8	503.6
25°	645.9	647.4	637.6	630.9	623.2	617.0	605.6	588.1	562.4	534.5	509.8
27.5°	666.0	659.3	638.6	629.4	622.1	616.5	605.6	587.6	559.8	531.4	505.7
30°	660.8	658.2	640.2	631.4	625.2	619.6	606.2	583.0	549.5	519.6	492.8
32.5°	639.7	644.8	638.6	635.5	632.5	625.2	605.6	574.2	536.6	506.2	470.1
35°	627.3	633.5	634.0	634.0	630.4	619.6	596.4	561.3	523.7	484.0	435.6
37.5°	614.9	620.1	623.2	625.2	620.1	604.6	575.2	543.8	502.6	450.5	365.5
40°	601.0	604.6	607.2	608.2	600.5	580.4	553.6	518.0	471.6	384.5	326.3
42.5°	581.4	583.5	583.0	582.5	574.2	552.0	526.8	489.7	397.9	342.8	272.2
45°	549.5	547.4	550.5	550.5	539.7	523.2	489.7	417.5	356.2	286.1	175.3
47.5°	425.8	427.3	442.3	466.5	481.4	476.8	431.4	365.5	299.5	187.6	58.2
50°	396.4	394.8	395.3	397.9	399.5	386.6	354.1	308.8	197.9	61.3	4.1
52.5°	266.0	267.5	279.4	306.7	315.5	306.2	275.2	206.2	72.2	4.1	3.6
55°	84.0	89.7	96.4	110.8	136.1	152.1	149.0	73.2	4.6	3.1	3.6
57.5°	3.1	3.1	4.1	7.2	13.9	22.7	23.7	4.6	3.6	3.6	3.6
60°	2.6	2.6	2.6	2.6	2.6	2.6	3.1	3.1	3.1	3.1	3.1
62.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.1	3.1	3.1	3.1
65°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.1
67.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.6	2.6	2.6	2.6
70°	1.5	1.5	1.5	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.6
72.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.1	2.1	2.1
75°	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
77.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5
80°	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5
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°	330.9	330.9	330.9	330.9	330.9	330.9	330.9	330.9
2.5°	386.6	380.4	368.0	330.9	292.3	253.6	229.4	223.2
5°	417.0	409.8	392.3	322.7	244.3	177.3	139.2	124.7
7.5°	435.6	426.8	406.2	309.8	190.2	103.1	61.9	49.5
10°	443.8	436.1	412.9	290.2	137.6	49.0	21.6	18.0
12.5°	447.4	441.2	415.4	264.4	89.7	21.6	16.0	15.5
15°	449.0	442.3	414.4	233.0	51.0	15.5	14.9	14.9
17.5°	450.5	442.8	408.2	196.9	28.3	14.4	13.9	14.4
20°	462.9	440.7	397.4	157.7	18.6	13.4	13.4	13.9
22.5°	475.2	440.2	378.3	120.6	14.4	12.9	13.4	13.4
25°	479.4	435.0	354.1	86.1	12.4	12.4	12.9	13.4
27.5°	471.6	420.1	321.6	58.2	10.8	12.4	12.9	13.4
30°	453.6	394.8	282.5	37.1	10.3	11.9	12.9	13.4
32.5°	420.1	344.8	238.7	22.2	9.8	11.9	13.4	13.4
35°	353.1	289.2	189.2	11.3	9.8	11.9	13.4	13.9
37.5°	308.8	241.2	132.0	7.7	9.8	11.9	13.4	13.9
40°	256.2	174.2	55.2	7.2	9.8	11.9	13.4	14.4
42.5°	177.3	75.8	8.8	6.7	9.3	11.9	13.9	14.4
45°	63.9	9.8	4.1	6.7	9.3	11.9	13.9	14.4
47.5°	5.7	3.6	4.1	6.7	9.3	11.9	13.9	14.9
50°	3.6	3.6	3.6	6.2	9.3	11.9	13.9	14.9
52.5°	3.6	3.6	3.6	6.2	8.8	11.9	14.4	14.9
55°	3.6	3.6	3.6	5.7	8.8	11.9	13.9	14.9
57.5°	3.6	3.6	4.1	5.7	8.8	11.3	13.9	14.4
60°	3.6	3.6	3.6	5.7	8.2	10.8	13.4	13.9
62.5°	3.1	3.6	3.6	5.2	7.7	10.3	12.9	13.4
65°	3.1	3.1	3.6	4.6	7.2	9.8	11.9	12.9
67.5°	2.6	3.1	3.1	4.1	6.2	8.8	10.8	11.9
70°	2.6	2.6	2.6	3.6	5.7	7.7	10.3	10.8
72.5°	2.1	2.6	2.6	3.1	4.6	6.7	8.8	9.8
75°	2.1	2.1	2.1	2.6	4.1	6.2	7.7	8.2
77.5°	1.5	1.5	2.1	2.1	3.6	4.6	6.7	7.2
80°	1.5	1.5	1.5	2.1	2.6	4.1	5.2	5.7
82.5°	1.0	1.0	1.0	1.5	2.1	2.6	3.6	4.1
85°	1.0	1.0	1.0	1.0	1.5	2.1	2.6	2.6
87.5°	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)