

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: P1315360

Luminaire Tested: LDSQA3D05R609735DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

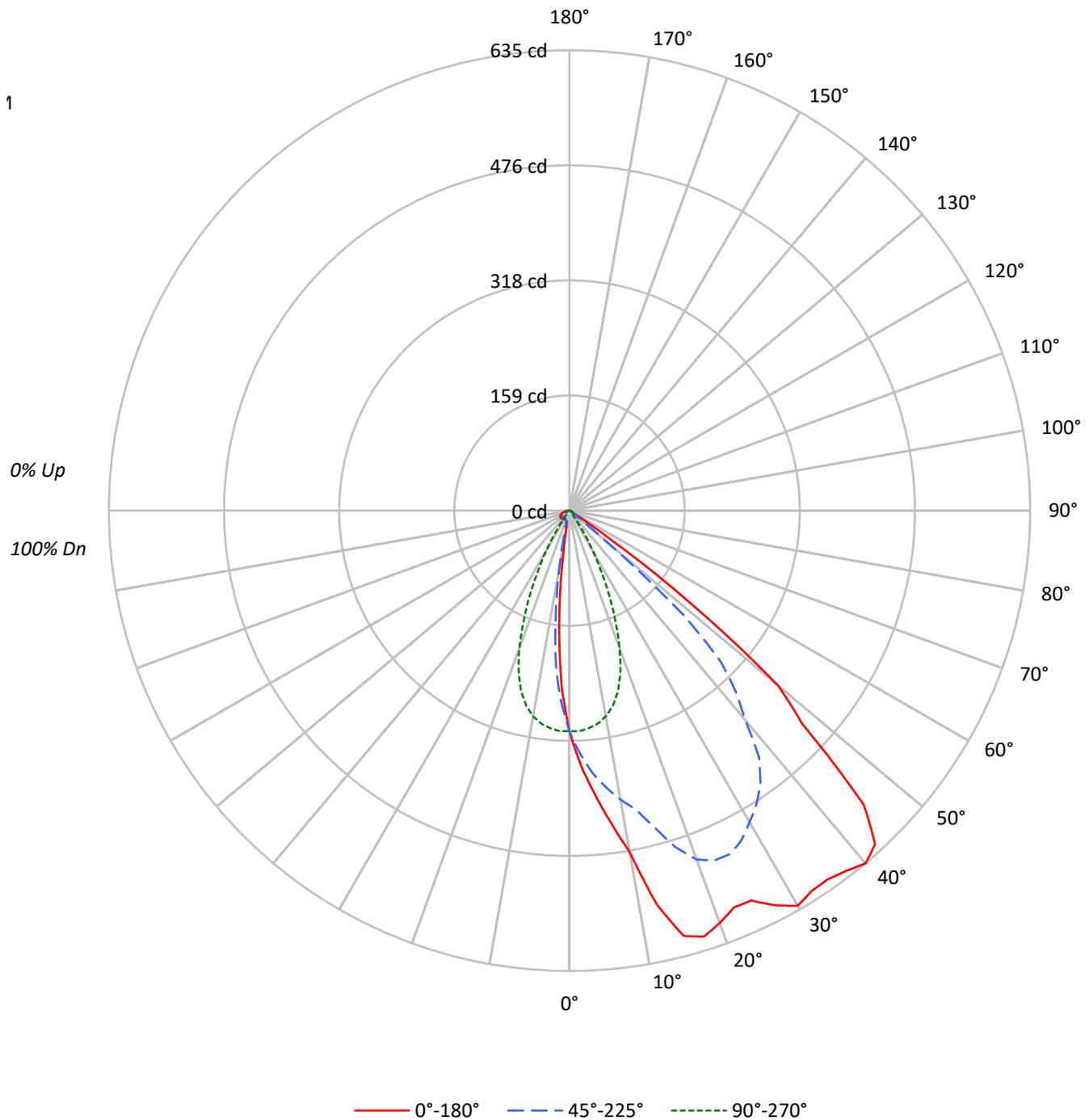
Test Method: LM-79-2019  
Report Number: P1315360  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R609735DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 494.0 lumens  
Efficiency: N/A  
Efficacy: 68.6 lumens/watt  
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26  
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 (A<sub>in</sub>): 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

TEST NUMBER: P1315360  
CATALOG NUMBER: LDSQA3D05R609735DE010 3LSQCA30R 1MW

### 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	109	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	88	85	83	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	81	77	74	72
4	91	82	75	70	89	80	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	67	61	55	66	60	55	64	59	55	63	58	54	63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	58	53	49	47
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	45	41	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	47	41	38	36

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

	0°	45°	90°	135°	180°
0°	52373	52373	52373	52373	52373
5°	67648	62807	52089	37083	28301
10°	83610	70791	50400	14025	4162
15°	108263	80573	45983	3085	2746
20°	110955	93855	37022	2566	2657
25°	112743	99346	24817	2489	2660
30°	125126	98677	12807	2506	2784
35°	130520	96481	3532	2649	3049
40°	142806	84623	1686	2833	3350
45°	139730	71899	1705	3069	3751
50°	100715	17737	1876	3376	4126
55°	19337	1111	1952	3633	4624
60°	964	1137	1929	3858	4994
65°	937	1141	1915	3994	5338
70°	957	1158	1863	3978	5388
75°	932	1264	1863	4059	5590
80°	496	1389	1884	4166	5554
85°	988	988	1778	3754	5533

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 139730 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.4	5.4
10°-20°	73.0	14.8
20°-30°	112.4	22.7
30°-40°	131.9	26.7
40°-50°	105.7	21.4
50°-60°	32.8	6.6
60°-70°	6.2	1.3
70°-80°	4.1	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°	211.8	42.9
0°-40°	343.7	69.6
0°-60°	482.2	97.6
0°-90°	494.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	494.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	304	304	304	304	304	
5°	391	363	301	214	164	40
15°	607	452	258	17	15	166
25°	593	523	131	13	14	280
35°	621	459	17	13	14	393
45°	574	295	7	13	15	411
55°	64	4	6	12	15	102
65°	2	3	5	10	13	2
75°	1	2	3	6	8	1
85°	0	0	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°	304.1	304.1	304.1	304.1	304.1	304.1	304.1	304.1	304.1	304.1	304.1
2.5°	350.7	347.0	347.0	345.6	344.2	344.7	340.9	342.3	338.6	335.8	333.5
5°	391.3	386.6	386.2	383.8	381.5	379.6	375.0	372.2	366.6	363.3	356.3
7.5°	433.3	429.6	427.2	424.4	420.2	415.6	407.6	402.5	393.6	384.8	375.9
10°	478.1	474.8	469.7	466.4	454.7	447.3	436.5	429.6	416.5	404.8	391.3
12.5°	556.4	554.5	544.8	538.2	521.4	506.5	483.2	464.5	441.2	422.1	403.9
15°	607.2	604.9	599.8	593.7	583.0	566.2	545.2	519.1	486.5	451.9	421.2
17.5°	616.1	616.6	613.3	611.9	604.9	594.2	577.4	557.8	525.2	486.9	444.9
20°	605.4	609.1	608.2	611.0	612.4	608.2	597.0	577.9	549.4	512.1	465.0
22.5°	592.3	595.6	594.7	599.8	607.7	611.9	608.2	592.8	563.9	522.4	476.2
25°	593.3	595.6	588.6	591.9	602.1	612.4	612.8	599.3	568.1	522.8	475.3
27.5°	613.8	606.8	590.9	589.5	602.1	615.2	616.1	599.3	562.0	513.0	465.9
30°	629.2	624.0	606.3	604.0	616.1	625.0	620.3	594.2	547.6	496.2	452.4
32.5°	621.7	622.6	615.2	622.6	638.5	642.2	622.6	582.1	527.5	479.9	436.5
35°	620.8	624.5	628.7	640.4	651.1	642.2	611.0	559.2	506.0	458.9	411.8
37.5°	626.4	632.4	638.5	648.8	648.8	625.9	580.2	530.3	480.4	429.1	360.5
40°	635.2	639.0	640.8	639.9	627.3	593.7	545.2	495.3	447.7	376.4	326.5
42.5°	623.6	623.1	621.2	613.3	590.0	546.2	500.9	460.3	385.2	339.5	282.6
45°	573.7	573.7	568.5	555.9	534.5	498.1	458.0	398.8	351.2	295.2	209.9
47.5°	434.2	431.0	436.5	444.0	444.0	440.7	404.4	353.1	304.6	213.1	67.2
50°	375.9	370.8	363.8	365.2	364.3	368.0	344.7	306.0	225.3	66.2	4.7
52.5°	212.7	222.0	244.9	277.0	291.5	296.6	282.2	232.7	76.0	4.2	3.7
55°	64.4	66.2	75.1	92.3	125.5	160.4	162.8	75.6	5.1	3.7	3.7
57.5°	2.8	2.8	3.7	5.6	13.1	19.6	21.0	4.7	3.3	3.7	3.7
60°	2.8	2.8	2.8	2.8	2.8	2.8	3.3	3.3	3.3	3.3	3.7
62.5°	2.3	2.3	2.8	2.8	2.8	2.8	2.8	2.8	3.3	3.3	3.3
65°	2.3	2.3	2.3	2.3	2.3	2.3	2.8	2.8	2.8	2.8	3.3
67.5°	1.9	1.9	1.9	2.3	2.3	2.3	2.3	2.3	2.8	2.8	2.8
70°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.3	2.3	2.3	2.3
72.5°	1.4	1.4	1.4	1.4	1.4	1.9	1.9	1.9	1.9	1.9	2.3
75°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.9	1.9	1.9	1.9
77.5°	0.9	0.9	0.9	0.9	0.9	1.4	1.4	1.4	1.4	1.4	1.4
80°	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.4	1.4
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.9
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



TEST NUMBER: P1315360

CATALOG NUMBER: LDSQA3D05R609735DE010 3LSQCA30R 1MW

**CANDELA DISTRIBUTION (continued):**

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	304.1	304.1	304.1	304.1	304.1	304.1	304.1	304.1
2.5°	330.2	326.5	322.3	304.6	287.3	264.0	248.1	243.5
5°	350.3	344.2	334.9	301.3	260.7	214.5	177.2	163.7
7.5°	367.1	357.7	344.7	296.6	229.0	145.5	93.7	79.3
10°	379.2	367.5	350.7	288.2	187.0	80.2	31.7	23.8
12.5°	389.4	374.1	354.0	275.6	136.2	32.6	16.3	16.3
15°	396.4	377.8	355.4	257.9	88.1	17.3	15.4	15.4
17.5°	406.2	382.0	355.4	233.2	48.0	14.9	14.9	14.9
20°	422.1	386.2	350.3	202.0	26.6	14.0	14.5	14.5
22.5°	430.5	392.2	343.7	165.6	16.8	13.5	14.0	14.0
25°	432.4	391.3	329.7	130.6	13.5	13.1	13.5	14.0
27.5°	425.8	384.8	311.1	95.1	12.1	12.6	13.5	14.0
30°	414.2	368.9	281.2	64.4	11.2	12.6	13.5	14.0
32.5°	392.2	330.7	246.3	38.7	10.7	12.6	13.5	14.5
35°	343.3	290.6	206.1	16.8	10.3	12.6	14.0	14.5
37.5°	307.8	250.5	159.5	8.4	10.3	12.6	14.0	14.9
40°	268.6	201.5	73.7	7.5	10.3	12.6	14.0	14.9
42.5°	204.7	93.3	8.9	7.5	9.8	12.6	14.5	14.9
45°	74.6	9.8	4.7	7.0	9.8	12.6	14.5	15.4
47.5°	5.6	3.7	4.2	7.0	9.8	12.6	14.5	15.4
50°	3.7	3.7	4.2	7.0	9.8	12.6	14.5	15.4
52.5°	3.7	4.2	4.2	6.5	9.3	12.6	14.5	15.4
55°	3.7	4.2	4.2	6.5	9.3	12.1	14.5	15.4
57.5°	3.7	3.7	4.2	6.1	8.9	11.7	14.5	14.9
60°	3.7	3.7	4.2	5.6	8.4	11.2	13.5	14.5
62.5°	3.7	3.7	3.7	5.1	7.9	10.7	13.1	14.0
65°	3.3	3.3	3.7	4.7	7.0	9.8	12.1	13.1
67.5°	2.8	3.3	3.3	4.2	6.5	8.9	11.2	12.1
70°	2.8	2.8	2.8	3.7	5.6	7.9	10.3	10.7
72.5°	2.3	2.3	2.8	3.3	5.1	7.0	9.3	9.8
75°	1.9	2.3	2.3	2.8	4.2	6.1	7.9	8.4
77.5°	1.9	1.9	1.9	2.3	3.7	5.1	6.5	7.0
80°	1.4	1.4	1.4	1.9	2.8	4.2	5.1	5.6
82.5°	0.9	1.4	1.4	1.4	2.3	2.8	3.7	4.2
85°	0.9	0.9	0.9	0.9	1.4	1.9	2.3	2.8
87.5°	0.5	0.5	0.9	0.9	0.9	0.9	0.9	1.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)