

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: P1308932

Luminaire Tested: LDSQA3D05R359030DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

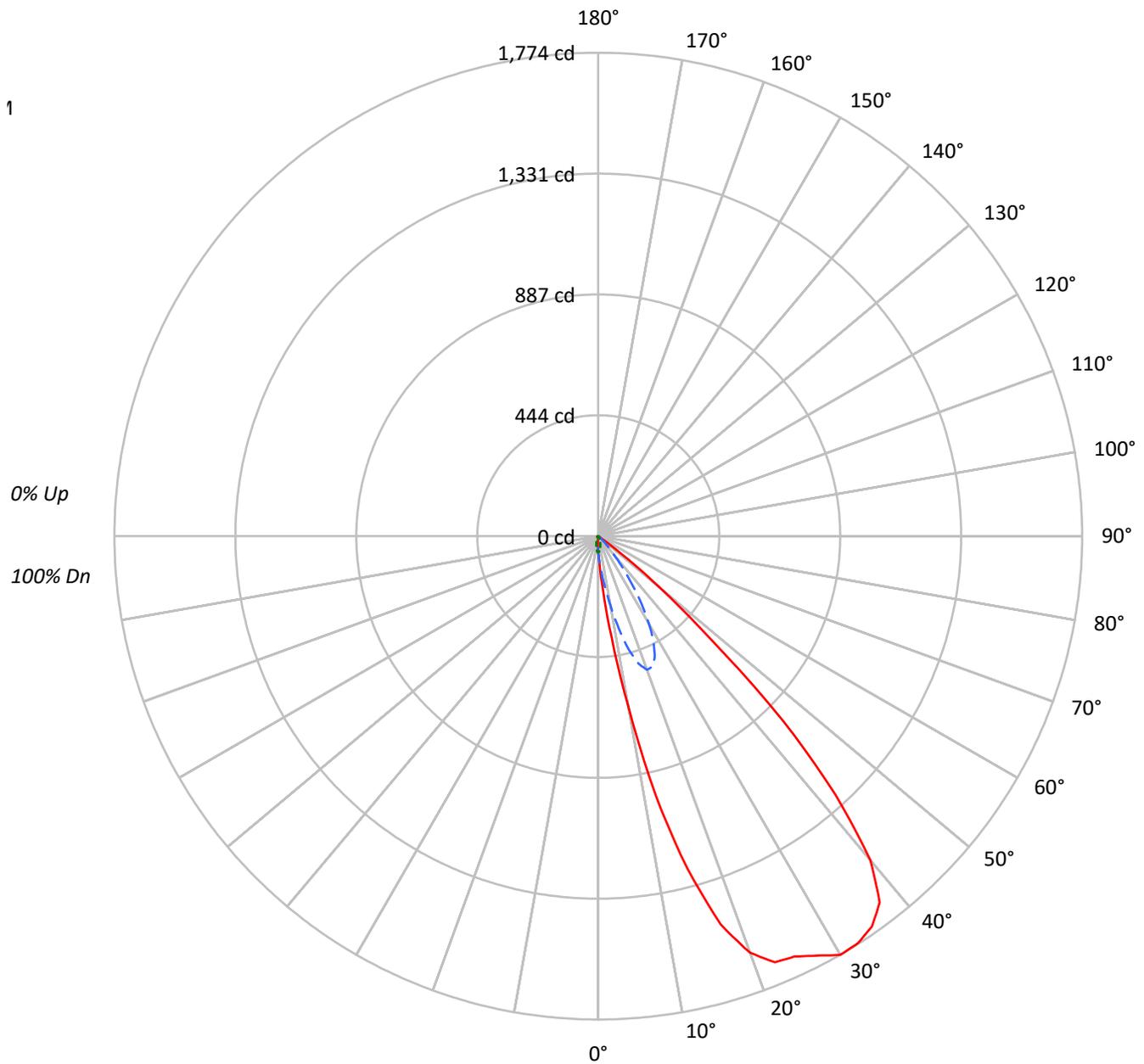
Test Method: LM-79-2019  
Report Number: P1308932  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R359030DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 558.0 lumens  
Efficiency: N/A  
Efficacy: 77.5 lumens/watt  
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25  
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

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### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - - - 90°-270°



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				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	104	110	107	104	102	103	101	99	99	98	96	96	94	93	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	89	87	84	83
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	82	79	76	74
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	76	72	69	67
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	70	66	62	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	55	50	46	45
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	51	46	42	41
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	47	42	39	37

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

	0°	45°	90°	135°	180°
0°	10092	10092	10092	10092	10092
5°	34386	22336	9439	3976	2939
10°	110629	45294	7450	1486	962
15°	225422	76811	5278	535	357
20°	298079	95651	3391	183	183
25°	323425	92999	1900	95	190
30°	352827	74117	795	99	199
35°	367634	46128	210	105	210
40°	348877	20166	112	225	337
45°	232892	8062	122	365	609
50°	78102	1340	268	536	804
55°	4354	150	300	751	1051
60°	344	172	517	861	1206
65°	408	204	611	1019	1426
70°	252	252	755	1259	1511
75°	333	333	998	1331	1664
80°	0	496	1488	1488	1488
85°	0	988	2964	988	1976

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 232892 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.2	1.8
10°-20°	80.1	14.4
20°-30°	169.2	30.3
30°-40°	191.9	34.4
40°-50°	94.5	16.9
50°-60°	8.2	1.5
60°-70°	1.7	0.3
70°-80°	1.5	0.3
80°-90°	0.8	0.1
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°	259.5	46.5
0°-40°	451.4	80.9
0°-60°	554.0	99.3
0°-90°	558.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	558.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	59	59	59	59	59	
5°	199	129	55	23	17	33
15°	1264	431	30	3	2	359
25°	1702	489	10	0	1	792
35°	1749	219	1	0	1	1078
45°	956	33	0	2	2	706
55°	14	0	1	2	4	57
65°	1	0	2	2	4	1
75°	0	0	2	2	2	0
85°	0	0	2	0	1	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
2.5°	101.7	104.2	103.2	102.7	102.2	100.2	95.7	95.2	90.7	87.7	72.6
5°	198.9	194.8	195.9	190.3	183.3	173.3	166.8	152.8	141.3	129.2	84.7
7.5°	374.7	369.2	358.6	342.6	326.1	304.5	272.0	245.9	215.9	187.3	94.2
10°	632.6	629.6	616.1	575.0	539.0	481.4	427.3	370.2	314.1	259.0	100.7
12.5°	977.2	956.7	932.2	877.6	806.4	734.3	627.6	528.9	439.3	347.1	101.2
15°	1264.3	1251.2	1216.7	1145.5	1059.9	955.7	829.0	696.2	561.0	430.8	96.2
17.5°	1495.2	1475.1	1430.6	1360.9	1262.3	1127.0	978.8	817.0	652.2	490.4	87.7
20°	1626.4	1615.9	1581.8	1512.2	1404.5	1256.7	1087.9	899.6	709.3	521.9	76.6
22.5°	1692.5	1685.0	1660.0	1604.4	1503.7	1354.9	1161.6	942.7	725.8	518.4	65.1
25°	1702.0	1700.0	1678.5	1636.4	1552.3	1405.0	1193.6	950.7	712.3	489.4	54.1
27.5°	1735.1	1728.1	1702.5	1660.5	1575.8	1413.5	1182.6	923.2	668.7	438.3	45.1
30°	1774.2	1769.2	1743.6	1700.0	1599.9	1405.5	1143.5	862.0	599.1	372.7	33.6
32.5°	1771.2	1769.2	1747.6	1701.5	1582.8	1358.4	1073.9	770.4	504.4	294.0	21.0
35°	1748.6	1741.6	1714.6	1643.4	1485.7	1237.2	941.7	646.2	399.2	219.4	13.5
37.5°	1694.5	1679.5	1633.9	1513.2	1311.8	1050.4	766.9	498.9	282.5	146.8	8.5
40°	1551.8	1532.7	1441.1	1295.3	1084.4	827.5	570.5	343.1	186.3	89.7	3.5
42.5°	1287.3	1248.7	1157.1	1007.3	809.4	585.0	374.7	222.4	109.7	54.1	1.0
45°	956.2	926.7	830.5	694.7	530.4	375.2	226.9	120.2	60.6	33.1	0.5
47.5°	557.0	539.0	489.4	400.2	293.0	196.9	116.2	64.6	35.6	16.0	0.5
50°	291.5	269.0	231.4	175.3	129.2	90.7	56.6	34.6	17.5	5.0	0.5
52.5°	102.2	100.7	91.7	69.1	56.1	40.6	27.5	15.0	5.0	1.0	0.5
55°	14.5	14.5	13.5	15.0	16.0	14.5	9.5	4.0	1.0	0.5	0.5
57.5°	1.0	1.0	1.0	1.5	2.0	2.0	1.5	0.5	0.5	0.5	1.0
60°	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
62.5°	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
65°	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
70°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5
72.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5
75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5
77.5°	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	1.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.0
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):**

	90°	112.5°	135°	157.5°	180°
0°	58.6	58.6	58.6	58.6	58.6
2.5°	58.1	46.6	37.1	32.6	31.1
5°	54.6	35.1	23.0	18.0	17.0
7.5°	48.6	25.0	14.0	10.0	9.5
10°	42.6	18.0	8.5	6.0	5.5
12.5°	35.6	12.5	5.5	3.5	3.0
15°	29.6	8.5	3.0	2.5	2.0
17.5°	23.5	5.5	2.0	1.5	2.0
20°	18.5	3.5	1.0	1.0	1.0
22.5°	14.0	2.0	1.0	1.0	1.0
25°	10.0	1.0	0.5	0.5	1.0
27.5°	7.0	0.5	0.5	0.5	1.0
30°	4.0	0.5	0.5	0.5	1.0
32.5°	2.0	0.5	0.5	1.0	1.0
35°	1.0	0.5	0.5	1.0	1.0
37.5°	0.5	0.5	0.5	1.0	1.5
40°	0.5	0.5	1.0	1.5	1.5
42.5°	0.5	0.5	1.0	1.5	2.0
45°	0.5	1.0	1.5	2.0	2.5
47.5°	1.0	1.0	2.0	2.5	3.0
50°	1.0	1.5	2.0	3.0	3.0
52.5°	1.0	1.5	2.5	3.0	3.5
55°	1.0	2.0	2.5	3.5	3.5
57.5°	1.5	2.0	2.5	3.5	3.5
60°	1.5	2.0	2.5	3.5	3.5
62.5°	1.5	2.0	2.5	3.5	3.5
65°	1.5	2.0	2.5	3.5	3.5
67.5°	1.5	2.0	2.5	3.0	3.5
70°	1.5	2.0	2.5	3.0	3.0
72.5°	2.0	2.0	2.5	3.0	3.0
75°	1.5	2.0	2.0	2.5	2.5
77.5°	1.5	1.5	1.5	2.0	2.0
80°	1.5	1.5	1.5	1.5	1.5
82.5°	1.5	1.0	1.0	1.5	1.5
85°	1.5	1.0	0.5	1.0	1.0
87.5°	1.0	1.0	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)