

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: P1314963

Luminaire Tested: LDSQA3D20R359730D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

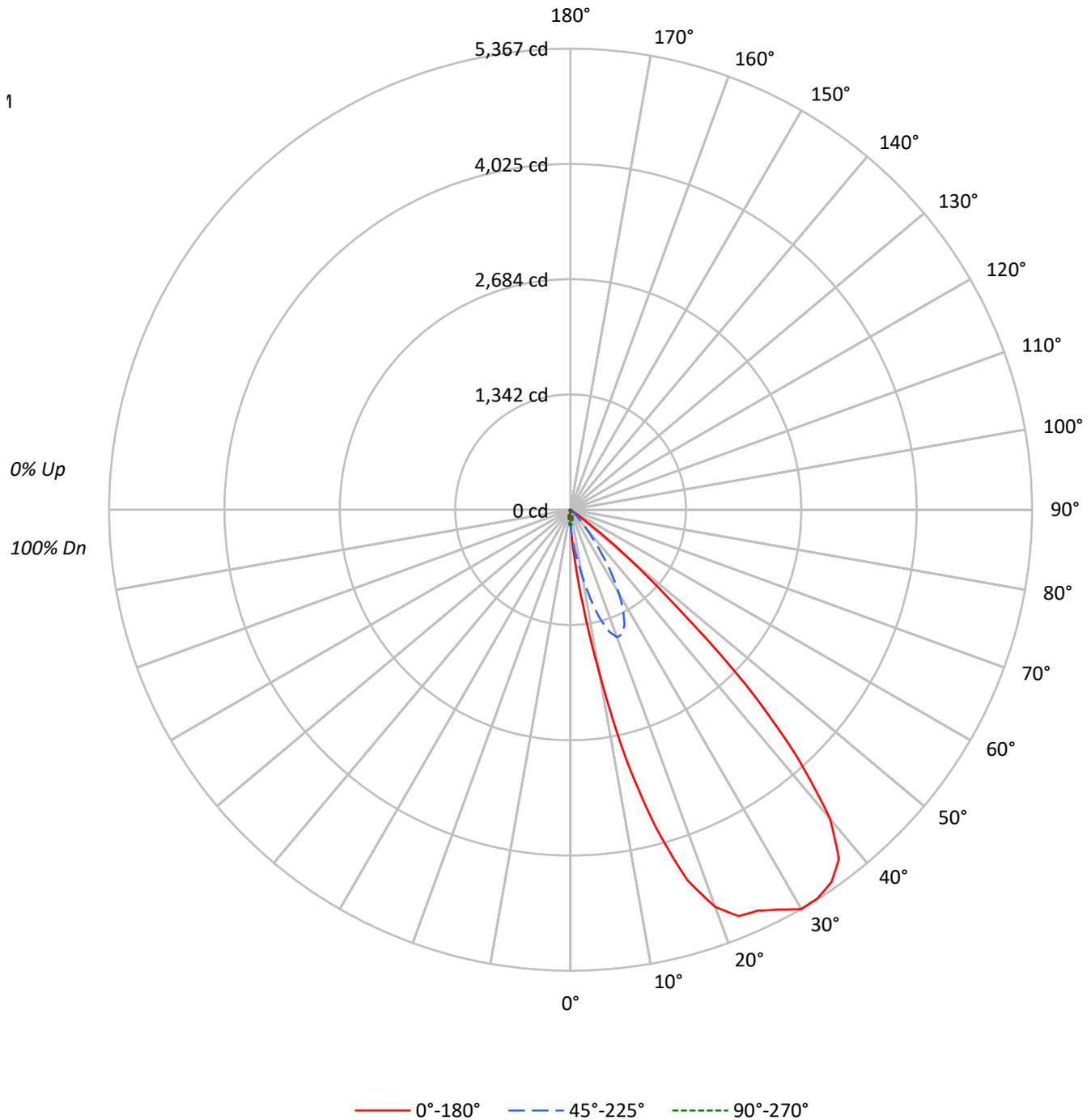
Test Method: LM-79-2019  
Report Number: P1314963  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R359730D010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1687.9 lumens  
Efficiency: N/A  
Efficacy: 58.6 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): 28.8  
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	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	51	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°	30535	30535	30535	30535	30535
5°	104005	67579	28560	12050	8903
10°	334684	137001	22524	4512	2920
15°	681901	232340	15940	1623	1088
20°	901715	289374	10282	550	550
25°	978409	281315	5758	285	570
30°	1067312	224181	2406	298	597
35°	1112154	139540	631	315	631
40°	1055376	60971	337	674	1012
45°	704520	24356	365	1096	1851
50°	236288	4073	804	1634	2438
55°	13181	450	901	2282	3183
60°	1033	517	1550	2618	3651
65°	1223	611	1834	3097	4320
70°	755	755	2266	3827	4582
75°	998	998	2994	4059	5057
80°	0	1488	4463	4463	4463
85°	0	2964	8892	2964	5928

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 704520 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.8	1.8
10°-20°	242.4	14.4
20°-30°	511.7	30.3
30°-40°	580.6	34.4
40°-50°	285.7	16.9
50°-60°	24.8	1.5
60°-70°	5.0	0.3
70°-80°	4.7	0.3
80°-90°	2.3	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°	784.9	46.5
0°-40°	1365.5	80.9
0°-60°	1676.0	99.3
0°-90°	1687.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1687.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	177	177	177	177	177	
5°	602	391	165	70	52	99
15°	3824	1303	89	9	6	1087
25°	5149	1480	30	2	3	2396
35°	5290	664	3	2	3	3260
45°	2893	100	2	4	8	2137
55°	44	2	3	8	11	172
65°	3	2	4	8	11	2
75°	2	2	4	6	8	1
85°	0	2	4	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°	67.5°
0°	177.3	177.3	177.3	177.3	177.3	177.3	177.3	177.3	177.3	177.3	177.3
2.5°	307.6	315.2	312.1	310.6	309.1	303.1	289.4	287.9	274.3	265.2	219.7
5°	601.6	589.4	592.5	575.8	554.6	524.3	504.6	462.2	427.3	390.9	256.1
7.5°	1133.4	1116.7	1084.9	1036.4	986.4	921.3	822.8	744.0	653.1	566.7	284.9
10°	1913.8	1904.7	1863.8	1739.5	1630.4	1456.2	1292.5	1119.8	950.1	783.4	304.6
12.5°	2956.3	2894.1	2819.9	2654.7	2439.6	2221.4	1898.6	1600.1	1328.9	1050.1	306.1
15°	3824.5	3785.1	3680.6	3465.4	3206.3	2891.1	2507.7	2106.2	1697.1	1303.1	290.9
17.5°	4523.0	4462.4	4327.6	4116.9	3818.4	3409.3	2960.8	2471.4	1972.9	1483.4	265.2
20°	4920.0	4888.2	4785.2	4574.6	4248.8	3801.8	3291.1	2721.4	2145.6	1578.9	231.8
22.5°	5120.0	5097.3	5021.6	4853.4	4548.8	4098.8	3513.9	2851.7	2195.6	1568.3	197.0
25°	5148.8	5142.8	5077.6	4950.3	4695.8	4250.3	3610.9	2876.0	2154.7	1480.4	163.6
27.5°	5248.8	5227.6	5150.4	5023.1	4767.0	4276.0	3577.5	2792.6	2022.9	1325.8	136.4
30°	5367.0	5351.9	5274.6	5142.8	4839.7	4251.8	3459.3	2607.8	1812.2	1127.3	101.5
32.5°	5357.9	5351.9	5286.7	5147.3	4788.2	4109.4	3248.7	2330.5	1525.9	889.5	63.6
35°	5289.8	5268.5	5186.7	4971.6	4494.2	3742.7	2848.7	1954.7	1207.7	663.7	40.9
37.5°	5126.1	5080.6	4942.8	4577.6	3968.5	3177.5	2319.9	1509.2	854.6	444.0	25.8
40°	4694.3	4636.7	4359.4	3918.4	3280.5	2503.2	1725.9	1037.9	563.7	271.2	10.6
42.5°	3894.2	3777.5	3500.2	3047.2	2448.7	1769.8	1133.4	672.8	331.8	163.6	3.0
45°	2892.6	2803.2	2512.3	2101.7	1604.7	1134.9	686.4	363.7	183.3	100.0	1.5
47.5°	1685.0	1630.4	1480.4	1210.7	886.4	595.5	351.5	195.5	107.6	48.5	1.5
50°	881.9	813.7	700.0	530.3	390.9	274.3	171.2	104.6	53.0	15.2	1.5
52.5°	309.1	304.6	277.3	209.1	169.7	122.7	83.3	45.5	15.2	3.0	1.5
55°	43.9	43.9	40.9	45.5	48.5	43.9	28.8	12.1	3.0	1.5	1.5
57.5°	3.0	3.0	3.0	4.5	6.1	6.1	4.5	1.5	1.5	1.5	3.0
60°	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0
62.5°	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0
65°	3.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0
67.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0
70°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	4.5
72.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	4.5
75°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	4.5
77.5°	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	4.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	3.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	3.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	3.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	3.0
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°	177.3	177.3	177.3	177.3	177.3
2.5°	175.8	140.9	112.1	98.5	93.9
5°	165.2	106.1	69.7	54.5	51.5
7.5°	147.0	75.8	42.4	30.3	28.8
10°	128.8	54.5	25.8	18.2	16.7
12.5°	107.6	37.9	16.7	10.6	9.1
15°	89.4	25.8	9.1	7.6	6.1
17.5°	71.2	16.7	6.1	4.5	6.1
20°	56.1	10.6	3.0	3.0	3.0
22.5°	42.4	6.1	3.0	3.0	3.0
25°	30.3	3.0	1.5	1.5	3.0
27.5°	21.2	1.5	1.5	1.5	3.0
30°	12.1	1.5	1.5	1.5	3.0
32.5°	6.1	1.5	1.5	3.0	3.0
35°	3.0	1.5	1.5	3.0	3.0
37.5°	1.5	1.5	1.5	3.0	4.5
40°	1.5	1.5	3.0	4.5	4.5
42.5°	1.5	1.5	3.0	4.5	6.1
45°	1.5	3.0	4.5	6.1	7.6
47.5°	3.0	3.0	6.1	7.6	9.1
50°	3.0	4.5	6.1	9.1	9.1
52.5°	3.0	4.5	7.6	9.1	10.6
55°	3.0	6.1	7.6	10.6	10.6
57.5°	4.5	6.1	7.6	10.6	10.6
60°	4.5	6.1	7.6	10.6	10.6
62.5°	4.5	6.1	7.6	10.6	10.6
65°	4.5	6.1	7.6	10.6	10.6
67.5°	4.5	6.1	7.6	9.1	10.6
70°	4.5	6.1	7.6	9.1	9.1
72.5°	6.1	6.1	7.6	9.1	9.1
75°	4.5	6.1	6.1	7.6	7.6
77.5°	4.5	4.5	4.5	6.1	6.1
80°	4.5	4.5	4.5	4.5	4.5
82.5°	4.5	3.0	3.0	4.5	4.5
85°	4.5	3.0	1.5	3.0	3.0
87.5°	3.0	3.0	1.5	1.5	1.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)