

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: P1309380

Luminaire Tested: LDSQA3D17R259030DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

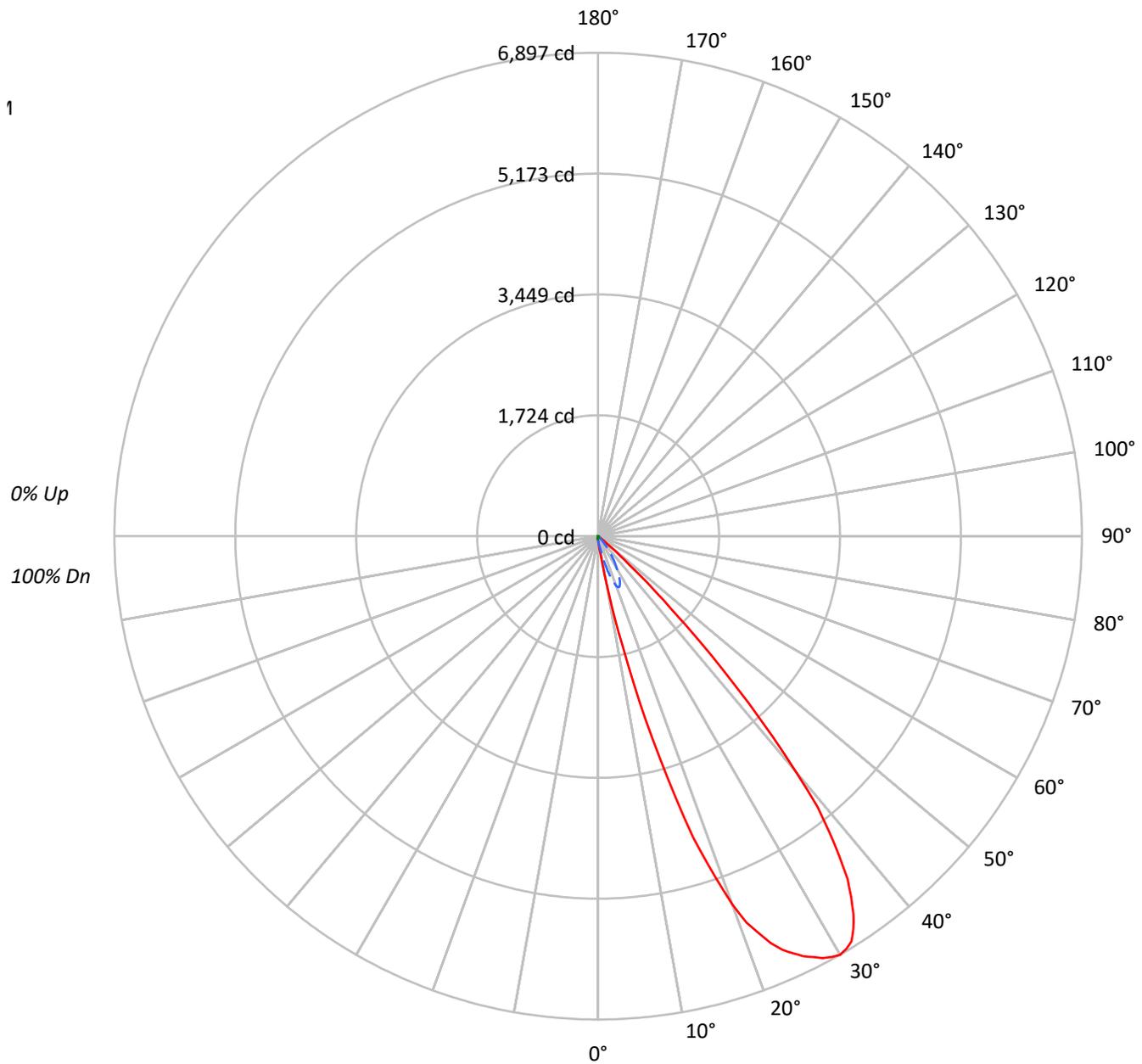
Test Method: LM-79-2019  
Report Number: P1309380  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R259030DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1380.1 lumens  
Efficiency: N/A  
Efficacy: 65.1 lumens/watt  
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 21.2  
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



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



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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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	96	95	93	92
2	106	100	95	92	103	98	94	90	95	92	88	92	89	87	89	87	85	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	83	79	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	76	73	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	71	66	63	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	65	60	57	55
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	60	55	52	50
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	56	51	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	51	46	42	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	48	42	39	37

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

	0°	45°	90°	135°	180°
0°	10196	10196	10196	10196	10196
5°	25604	18913	9578	4893	3786
10°	111905	32195	7887	2256	1574
15°	532148	86778	5509	927	695
20°	1024382	138996	3537	238	238
25°	1247582	140202	1957	0	0
30°	1371655	107288	776	0	0
35°	1321831	68225	273	0	0
40°	987660	29519	0	0	292
45°	365656	7843	317	317	950
50°	43110	1045	697	697	1393
55°	4264	0	781	1171	1922
60°	448	0	1343	1791	2204
65°	530	530	2119	2608	3138
70°	655	655	2618	2618	3877
75°	865	865	2595	2595	3460
80°	0	1289	3868	2579	3868
85°	0	2569	7707	2569	2569

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 365656 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.6	0.6
10°-20°	160.9	11.7
20°-30°	505.0	36.6
30°-40°	531.6	38.5
40°-50°	156.2	11.3
50°-60°	8.4	0.6
60°-70°	4.1	0.3
70°-80°	3.5	0.3
80°-90°	1.8	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°	674.5	48.9
0°-40°	1206.1	87.4
0°-60°	1370.7	99.3
0°-90°	1380.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1380.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	59	59	59	59	59	
5°	148	109	55	28	22	26
15°	2985	487	31	5	4	941
25°	6565	738	10	0	0	3011
35°	6287	324	1	0	0	3794
45°	1501	32	1	1	4	1364
55°	14	0	3	4	6	36
65°	1	1	5	6	8	1
75°	1	1	4	4	5	1
85°	0	1	4	1	1	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
2.5°	91.4	92.7	88.8	91.4	88.8	87.6	86.3	79.8	69.5	59.2	48.9
5°	148.1	148.1	141.6	140.3	137.8	132.6	127.5	109.4	78.5	55.4	38.6
7.5°	231.8	230.5	227.9	221.5	208.6	195.7	182.8	142.9	86.3	51.5	29.6
10°	639.9	630.9	619.3	549.8	471.2	401.7	341.2	184.1	92.7	45.1	21.9
12.5°	1590.1	1538.6	1416.3	1277.3	1099.6	912.9	730.0	300.0	95.3	37.3	15.5
15°	2984.6	2877.7	2687.1	2409.0	2045.9	1637.8	1290.1	486.7	92.7	30.9	11.6
17.5°	4506.5	4403.4	4139.5	3717.2	3182.8	2555.8	1940.3	645.1	86.3	25.8	7.7
20°	5589.3	5479.8	5232.6	4784.6	4206.5	3370.8	2554.5	758.4	81.1	19.3	3.9
21°	5906.0	5796.6	5535.2	5102.6	4494.9	3656.7	2751.5	777.7	77.3	16.7	2.6
22°	6106.9	6042.5	5761.8	5342.1	4722.8	3885.8	2920.2	786.7	74.7	15.5	2.6
23°	6309.0	6212.5	5949.8	5506.9	4896.6	4055.8	3045.1	780.3	72.1	12.9	1.3
24°	6458.4	6377.3	6072.1	5634.4	5017.6	4160.1	3118.5	763.5	68.2	11.6	1.3
25°	6565.3	6490.6	6172.6	5720.6	5098.7	4216.8	3141.6	737.8	64.4	10.3	1.3
26°	6667.0	6585.9	6256.2	5770.8	5141.2	4234.8	3119.8	709.4	60.5	9.0	0.0
27°	6740.4	6658.0	6314.2	5800.4	5143.8	4212.9	3060.5	670.8	56.7	7.7	0.0
28°	6818.9	6723.6	6354.1	5817.2	5128.3	4161.4	2975.5	629.6	54.1	6.4	0.0
29°	6866.5	6776.4	6395.3	5835.2	5096.2	4075.1	2851.9	580.7	47.6	3.9	0.0
30°	6897.4	6790.6	6391.4	5815.9	5053.7	3982.4	2703.9	539.5	41.2	3.9	0.0
31°	6871.7	6759.7	6350.2	5761.8	4985.4	3861.4	2551.9	488.0	33.5	2.6	0.0
32°	6816.3	6683.7	6278.1	5667.8	4863.1	3705.6	2394.9	445.5	24.5	2.6	0.0
33°	6681.1	6569.1	6148.1	5541.6	4703.4	3494.4	2190.1	404.3	16.7	1.3	0.0
34°	6511.2	6399.2	5970.4	5373.0	4489.7	3221.5	1941.6	361.8	14.2	1.3	0.0
35°	6287.1	6176.4	5769.5	5137.4	4206.5	2893.1	1685.4	324.5	11.6	1.3	0.0
36°	6051.5	5904.7	5515.9	4886.3	3826.6	2519.8	1411.2	282.0	9.0	1.3	0.0
37°	5705.2	5606.0	5174.7	4503.9	3415.9	2161.8	1211.6	243.3	6.4	1.3	0.0
38°	5345.9	5254.5	4833.5	4118.9	2957.5	1807.7	1014.6	206.0	5.2	0.0	0.0
39°	4975.1	4823.2	4407.3	3625.8	2477.3	1514.2	853.7	172.5	2.6	0.0	0.0
40°	4393.1	4277.3	3833.1	3033.5	2049.8	1227.0	727.5	131.3	2.6	0.0	0.0
42.5°	2912.5	2804.3	2338.2	1645.5	1089.3	717.2	480.3	51.5	0.0	1.3	0.0
45°	1501.3	1433.1	1164.0	861.4	618.0	440.3	309.0	32.2	0.0	1.3	1.3
47.5°	596.1	584.6	527.9	455.8	351.5	261.4	168.7	14.2	0.0	1.3	1.3
50°	160.9	162.2	151.9	140.3	127.5	119.7	70.8	3.9	0.0	2.6	1.3
52.5°	68.2	69.5	67.0	63.1	56.7	42.5	28.3	1.3	1.3	2.6	2.6
55°	14.2	15.5	16.7	18.0	20.6	18.0	11.6	0.0	1.3	2.6	2.6
57.5°	2.6	2.6	2.6	2.6	3.9	3.9	2.6	0.0	1.3	2.6	3.9
60°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	2.6	3.9	3.9
62.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	3.9	5.2
65°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	5.2	5.2
67.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	3.9	5.2	5.2
70°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	3.9	5.2	5.2
72.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	3.9	5.2	3.9
75°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	3.9	3.9	3.9
77.5°	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	2.6	3.9	3.9
80°	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	2.6	3.9	2.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	2.6	3.9	2.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	3.9	2.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	3.9	2.6
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):**

	135°	157.5°	180°
0°	59.2	59.2	59.2
2.5°	41.2	37.3	36.1
5°	28.3	24.5	21.9
7.5°	19.3	15.5	14.2
10°	12.9	10.3	9.0
12.5°	9.0	5.2	5.2
15°	5.2	3.9	3.9
17.5°	2.6	1.3	1.3
20°	1.3	1.3	1.3
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	1.3
39°	0.0	1.3	1.3
40°	0.0	1.3	1.3
42.5°	0.0	1.3	2.6
45°	1.3	2.6	3.9
47.5°	2.6	3.9	5.2
50°	2.6	5.2	5.2
52.5°	3.9	5.2	6.4
55°	3.9	6.4	6.4
57.5°	5.2	6.4	7.7
60°	5.2	6.4	6.4
62.5°	5.2	7.7	7.7
65°	6.4	7.7	7.7
67.5°	6.4	7.7	7.7
70°	5.2	6.4	7.7
72.5°	5.2	6.4	6.4
75°	3.9	5.2	5.2
77.5°	3.9	3.9	5.2
80°	2.6	3.9	3.9



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**CANDELA DISTRIBUTION (continued):**

	135°	157.5°	180°
82.5°	2.6	2.6	2.6
85°	1.3	1.3	1.3
87.5°	1.3	1.3	1.3
90°	0.0	0.0	0.0

(END OF REPORT)