

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: P1318496

Luminaire Tested: LDSQA3D17R309830DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

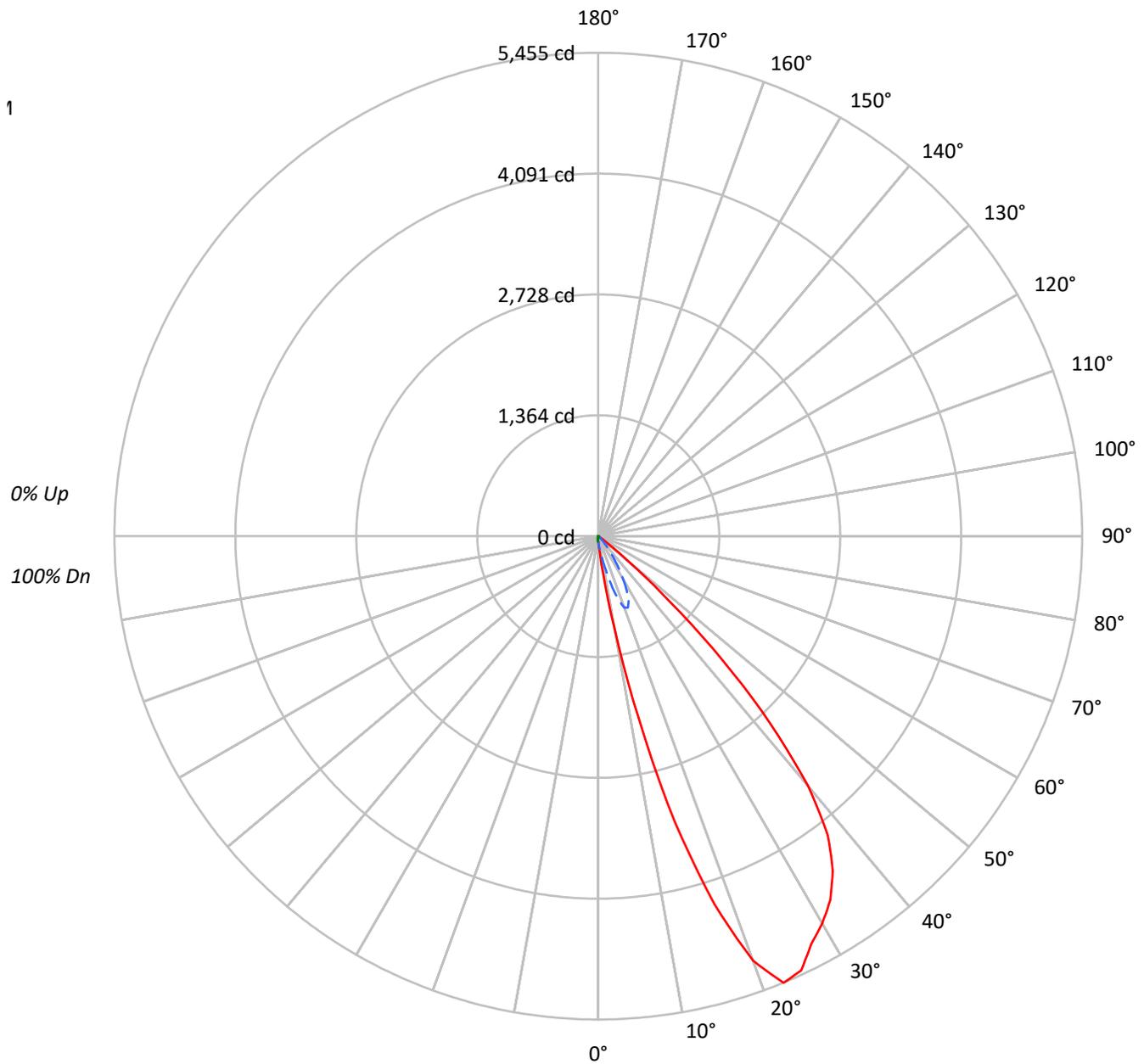
Test Method: LM-79-2019  
Report Number: P1318496  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R309830DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1286.1 lumens  
Efficiency: N/A  
Efficacy: 63.0 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 20.4  
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	87	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	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	65	61	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	60	55	52	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	56	51	47	45
9	67	55	48	43	65	55	48	43	53	47	43	52	47	43	52	46	43	52	46	43	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	48	43	39	37

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

	0°	45°	90°	135°	180°
0°	10523	10523	10523	10523	10523
5°	31689	21126	9958	4478	3665
10°	183518	44804	7817	2064	1434
15°	596924	101612	5456	428	214
20°	934064	157214	3446	0	0
25°	1027645	153637	1786	0	0
30°	1003694	110768	696	0	0
35°	968725	63010	252	0	0
40°	826126	26686	0	0	0
45°	484830	10010	292	0	292
50°	117756	1902	322	322	938
55°	10239	0	721	1051	1411
60°	413	0	827	1206	2032
65°	489	489	1426	1426	2404
70°	604	604	1762	1762	2367
75°	0	799	2329	2329	2329
80°	0	1190	3471	2380	2380
85°	0	2371	6916	2371	2371

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 484830 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.2	0.9
10°-20°	176.8	13.7
20°-30°	449.2	34.9
30°-40°	447.7	34.8
40°-50°	181.4	14.1
50°-60°	12.5	1.0
60°-70°	2.8	0.2
70°-80°	2.8	0.2
80°-90°	1.7	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°	637.1	49.5
0°-40°	1084.8	84.4
0°-60°	1278.7	99.4
0°-90°	1286.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1286.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	61	61	61	61	61	
5°	183	122	58	26	21	43
15°	3348	570	31	2	1	974
25°	5408	808	9	0	0	2442
35°	4608	300	1	0	0	2824
45°	1991	41	1	0	1	1519
55°	34	0	2	4	5	89
65°	1	1	4	4	6	1
75°	0	1	4	4	4	0
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°	35°	40°	45°	67.5°
0°	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
2.5°	101.1	102.2	102.2	99.9	98.7	98.7	95.2	94.0	90.5	87.0	75.2
5°	183.3	179.8	175.1	175.1	164.5	158.6	150.4	141.0	134.0	122.2	87.0
7.5°	416.0	387.8	379.6	369.0	329.0	297.3	260.9	229.1	199.8	175.1	96.4
10°	1049.4	994.1	948.3	855.5	739.1	627.5	524.1	404.2	322.0	256.2	103.4
12.5°	2114.0	2040.0	1951.9	1782.6	1565.2	1286.7	1040.0	776.7	545.3	377.2	105.8
15°	3347.9	3222.2	3084.7	2869.6	2513.6	2114.0	1668.7	1249.1	875.5	569.9	103.4
17.5°	4353.8	4304.4	4101.1	3807.4	3371.4	2856.7	2307.9	1734.5	1181.0	746.2	96.4
20°	5096.5	5062.4	4816.8	4504.2	4013.0	3423.1	2726.3	2037.6	1393.7	857.8	85.8
22.5°	5454.9	5449.0	5271.5	4951.9	4431.3	3762.7	2995.4	2212.7	1459.5	873.1	71.7
25°	5407.9	5429.0	5327.9	5090.6	4591.2	3902.5	3075.3	2212.7	1411.3	808.5	59.9
27.5°	5194.0	5208.1	5144.6	4962.5	4497.1	3801.5	2963.6	2070.5	1271.5	694.5	49.4
30°	5047.1	5053.0	4974.2	4779.2	4285.6	3571.2	2700.4	1807.3	1059.9	557.0	36.4
32.5°	4868.5	4867.3	4775.6	4552.4	4008.3	3248.0	2366.7	1493.6	814.4	423.0	21.2
35°	4607.6	4578.2	4453.7	4196.3	3594.7	2813.2	1940.1	1137.5	586.4	299.7	12.9
37.5°	4249.2	4172.8	3996.5	3652.2	3014.2	2205.7	1438.3	799.1	400.7	198.6	8.2
40°	3674.6	3593.5	3353.8	2935.4	2279.7	1587.6	969.5	520.6	252.6	118.7	4.7
42.5°	2881.4	2826.1	2503.0	2085.8	1505.3	1012.9	582.9	307.9	142.2	68.2	1.2
45°	1990.6	1919.0	1665.1	1311.4	903.7	561.7	326.7	161.0	81.1	41.1	0.0
47.5°	1098.7	1010.6	863.7	679.2	454.8	295.0	164.5	87.0	45.8	20.0	0.0
50°	439.5	436.0	346.7	246.8	173.9	134.0	82.3	47.0	23.5	7.1	1.2
52.5°	153.9	153.9	132.8	108.1	84.6	61.1	41.1	22.3	8.2	2.4	1.2
55°	34.1	37.6	35.3	32.9	31.7	27.0	17.6	8.2	2.4	0.0	1.2
57.5°	3.5	3.5	3.5	4.7	5.9	5.9	4.7	2.4	0.0	0.0	1.2
60°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	2.4
62.5°	1.2	1.2	1.2	1.2	1.2	0.0	0.0	0.0	1.2	1.2	2.4
65°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4
67.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4
70°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.5
72.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.5
75°	0.0	0.0	1.2	1.2	0.0	1.2	1.2	1.2	1.2	1.2	3.5
77.5°	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	2.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	2.4
82.5°	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	2.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	2.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	2.4
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°	61.1	61.1	61.1	61.1	61.1
2.5°	61.1	48.2	40.0	35.3	34.1
5°	57.6	36.4	25.9	22.3	21.2
7.5°	51.7	27.0	17.6	14.1	12.9
10°	44.7	20.0	11.8	8.2	8.2
12.5°	37.6	15.3	7.1	3.5	2.4
15°	30.6	9.4	2.4	1.2	1.2
17.5°	23.5	5.9	0.0	0.0	0.0
20°	18.8	2.4	0.0	0.0	0.0
22.5°	14.1	1.2	0.0	0.0	0.0
25°	9.4	0.0	0.0	0.0	0.0
27.5°	5.9	0.0	0.0	0.0	0.0
30°	3.5	0.0	0.0	0.0	0.0
32.5°	1.2	0.0	0.0	0.0	0.0
35°	1.2	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	1.2	0.0	0.0	1.2	1.2
47.5°	1.2	1.2	1.2	2.4	2.4
50°	1.2	1.2	1.2	2.4	3.5
52.5°	2.4	1.2	2.4	3.5	3.5
55°	2.4	2.4	3.5	4.7	4.7
57.5°	2.4	2.4	3.5	4.7	4.7
60°	2.4	2.4	3.5	4.7	5.9
62.5°	3.5	3.5	3.5	4.7	4.7
65°	3.5	3.5	3.5	4.7	5.9
67.5°	3.5	3.5	3.5	4.7	5.9
70°	3.5	3.5	3.5	4.7	4.7
72.5°	4.7	3.5	3.5	4.7	4.7
75°	3.5	3.5	3.5	3.5	3.5
77.5°	3.5	3.5	2.4	3.5	3.5
80°	3.5	2.4	2.4	2.4	2.4
82.5°	3.5	2.4	2.4	2.4	2.4
85°	3.5	2.4	1.2	1.2	1.2
87.5°	3.5	2.4	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)