

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: P1314806

Luminaire Tested: LDSQA3D17R359730DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

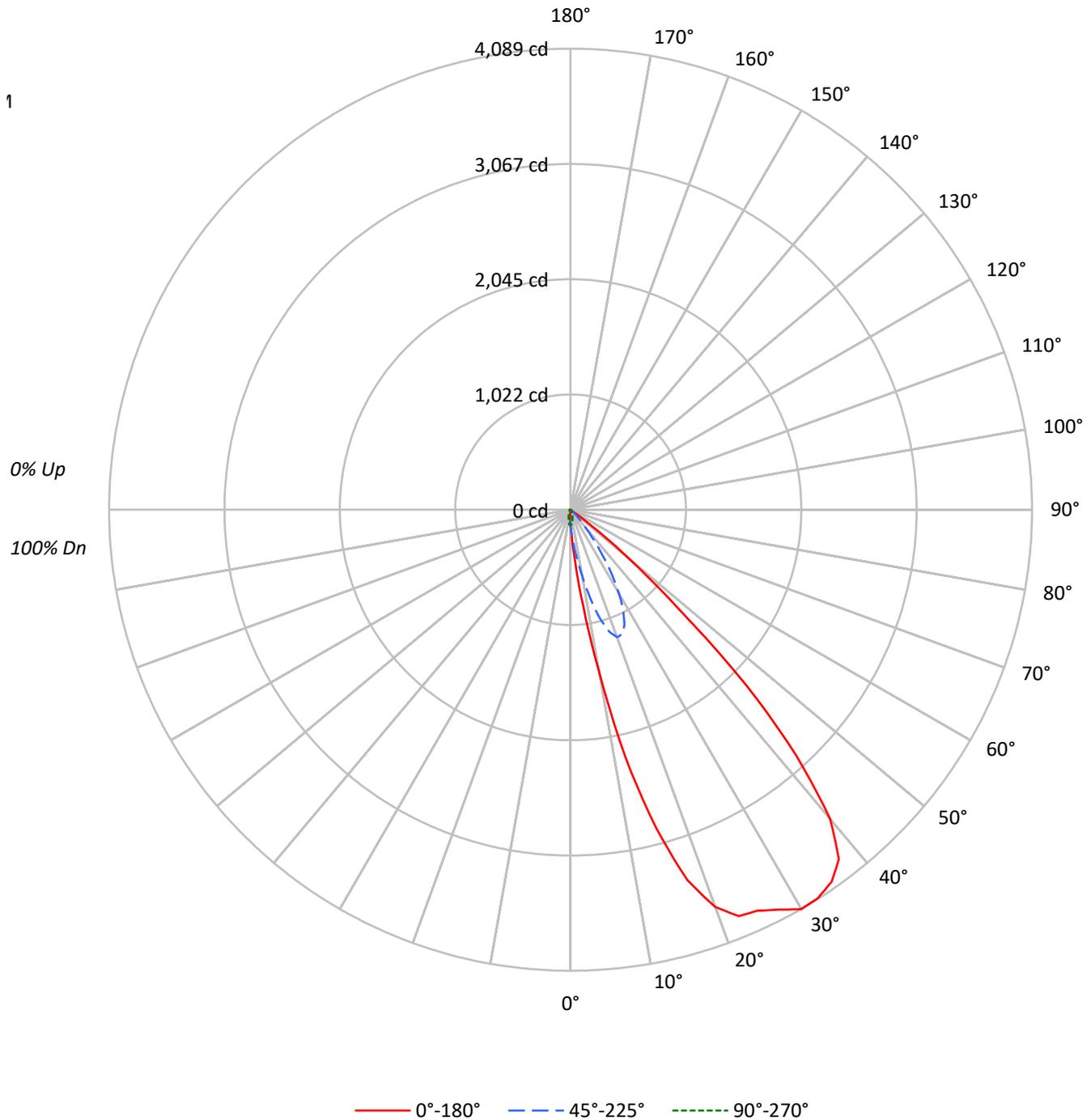
Test Method: LM-79-2019  
Report Number: P1314806  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R359730DE010 3LSQCA30R 1MW  
Description: 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: 1286.1 lumens  
Efficiency: N/A  
Efficacy: 60.7 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): 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

TEST NUMBER: P1314806  
CATALOG NUMBER: LDSQA3D17R359730DE010 3LSQCA30R 1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1314806

CATALOG NUMBER: LDSQA3D17R359730DE010 3LSQCA30R 1MW

**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	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°	23267	23267	23267	23267	23267
5°	79231	51484	21748	9180	6777
10°	254974	104368	17156	3428	2221
15°	519507	177014	12142	1230	820
20°	686972	220462	7826	422	422
25°	745399	214312	4390	228	437
30°	813141	170806	1830	239	457
35°	847287	106300	484	252	484
40°	804026	46448	270	517	787
45°	536732	18559	292	852	1413
50°	180023	3081	616	1232	1849
55°	10059	360	691	1742	2432
60°	792	413	1206	1998	2790
65°	937	489	1426	2364	3301
70°	604	604	1762	2921	3474
75°	799	799	2329	3061	3859
80°	0	1190	3471	3471	3471
85°	0	2371	6916	2371	4545

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 536732 cd/sqm



TEST NUMBER: P1314806

CATALOG NUMBER: LDSQA3D17R359730DE010 3LSQCA30R 1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.4	1.8
10°-20°	184.7	14.4
20°-30°	389.8	30.3
30°-40°	442.3	34.4
40°-50°	217.7	16.9
50°-60°	18.9	1.5
60°-70°	3.9	0.3
70°-80°	3.6	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°	598.0	46.5
0°-40°	1040.3	80.9
0°-60°	1276.9	99.3
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°	135	135	135	135	135	
5°	458	298	126	53	39	75
15°	2914	993	68	7	5	828
25°	3923	1128	23	1	2	1825
35°	4030	506	2	1	2	2484
45°	2204	76	1	4	6	1628
55°	34	1	2	6	8	131
65°	2	1	4	6	8	2
75°	1	1	4	5	6	1
85°	0	1	4	1	2	0
90°	0	0	0	0	0	



TEST NUMBER: P1314806

CATALOG NUMBER: LDSQA3D17R359730DE010 3LSQCA30R 1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	135.1	135.1	135.1	135.1	135.1	135.1	135.1	135.1	135.1	135.1	135.1
2.5°	234.3	240.1	237.8	236.7	235.5	230.9	220.5	219.3	208.9	202.0	167.4
5°	458.3	449.1	451.4	438.7	422.5	399.4	384.4	352.1	325.5	297.8	195.1
7.5°	863.5	850.8	826.5	789.6	751.5	701.9	626.8	566.8	497.5	431.7	217.0
10°	1458.0	1451.1	1419.9	1325.2	1242.1	1109.4	984.7	853.1	723.8	596.8	232.0
12.5°	2252.2	2204.9	2148.3	2022.5	1858.6	1692.3	1446.5	1219.0	1012.4	800.0	233.2
15°	2913.7	2883.7	2804.0	2640.1	2442.7	2202.6	1910.5	1604.6	1292.9	992.8	221.6
17.5°	3445.9	3399.7	3297.0	3136.5	2909.1	2597.4	2255.7	1882.8	1503.0	1130.2	202.0
20°	3748.3	3724.1	3645.6	3485.1	3236.9	2896.4	2507.3	2073.3	1634.6	1202.9	176.6
22.5°	3900.7	3883.4	3825.7	3697.5	3465.5	3122.6	2677.0	2172.6	1672.7	1194.8	150.1
25°	3922.6	3918.0	3868.4	3771.4	3577.5	3238.1	2750.9	2191.0	1641.5	1127.8	124.7
27.5°	3998.8	3982.7	3923.8	3826.8	3631.7	3257.7	2725.5	2127.5	1541.1	1010.1	103.9
30°	4088.9	4077.3	4018.4	3918.0	3687.1	3239.2	2635.5	1986.7	1380.7	858.9	77.3
32.5°	4081.9	4077.3	4027.7	3921.5	3647.9	3130.7	2475.0	1775.5	1162.5	677.6	48.5
35°	4030.0	4013.8	3951.5	3787.6	3423.9	2851.4	2170.3	1489.2	920.1	505.6	31.2
37.5°	3905.3	3870.7	3765.6	3487.4	3023.4	2420.8	1767.4	1149.8	651.1	338.2	19.6
40°	3576.3	3532.4	3321.2	2985.3	2499.3	1907.1	1314.9	790.8	429.4	206.6	8.1
42.5°	2966.8	2877.9	2666.7	2321.5	1865.5	1348.3	863.5	512.6	252.8	124.7	2.3
45°	2203.7	2135.6	1914.0	1601.1	1222.5	864.6	522.9	277.1	139.7	76.2	1.2
47.5°	1283.7	1242.1	1127.8	922.4	675.3	453.7	267.8	148.9	82.0	36.9	1.2
50°	671.9	619.9	533.3	404.0	297.8	208.9	130.4	79.7	40.4	11.5	1.2
52.5°	235.5	232.0	211.3	159.3	129.3	93.5	63.5	34.6	11.5	2.3	1.2
55°	33.5	33.5	31.2	34.6	36.9	33.5	21.9	9.2	2.3	1.2	1.2
57.5°	2.3	2.3	2.3	3.5	4.6	4.6	3.5	1.2	1.2	1.2	2.3
60°	2.3	2.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3
62.5°	2.3	2.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3
65°	2.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3
67.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3
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°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.5
77.5°	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	2.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	2.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	2.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	2.3
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: P1314806

CATALOG NUMBER: LDSQA3D17R359730DE010 3LSQCA30R 1MW

**CANDELA DISTRIBUTION (continued):**

	90°	112.5°	135°	157.5°	180°
0°	135.1	135.1	135.1	135.1	135.1
2.5°	133.9	107.4	85.4	75.0	71.6
5°	125.8	80.8	53.1	41.6	39.2
7.5°	112.0	57.7	32.3	23.1	21.9
10°	98.1	41.6	19.6	13.9	12.7
12.5°	82.0	28.9	12.7	8.1	6.9
15°	68.1	19.6	6.9	5.8	4.6
17.5°	54.3	12.7	4.6	3.5	4.6
20°	42.7	8.1	2.3	2.3	2.3
22.5°	32.3	4.6	2.3	2.3	2.3
25°	23.1	2.3	1.2	1.2	2.3
27.5°	16.2	1.2	1.2	1.2	2.3
30°	9.2	1.2	1.2	1.2	2.3
32.5°	4.6	1.2	1.2	2.3	2.3
35°	2.3	1.2	1.2	2.3	2.3
37.5°	1.2	1.2	1.2	2.3	3.5
40°	1.2	1.2	2.3	3.5	3.5
42.5°	1.2	1.2	2.3	3.5	4.6
45°	1.2	2.3	3.5	4.6	5.8
47.5°	2.3	2.3	4.6	5.8	6.9
50°	2.3	3.5	4.6	6.9	6.9
52.5°	2.3	3.5	5.8	6.9	8.1
55°	2.3	4.6	5.8	8.1	8.1
57.5°	3.5	4.6	5.8	8.1	8.1
60°	3.5	4.6	5.8	8.1	8.1
62.5°	3.5	4.6	5.8	8.1	8.1
65°	3.5	4.6	5.8	8.1	8.1
67.5°	3.5	4.6	5.8	6.9	8.1
70°	3.5	4.6	5.8	6.9	6.9
72.5°	4.6	4.6	5.8	6.9	6.9
75°	3.5	4.6	4.6	5.8	5.8
77.5°	3.5	3.5	3.5	4.6	4.6
80°	3.5	3.5	3.5	3.5	3.5
82.5°	3.5	2.3	2.3	3.5	3.5
85°	3.5	2.3	1.2	2.3	2.3
87.5°	2.3	2.3	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)