

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: P1315778

Luminaire Tested: LDSQA3D17R359735DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

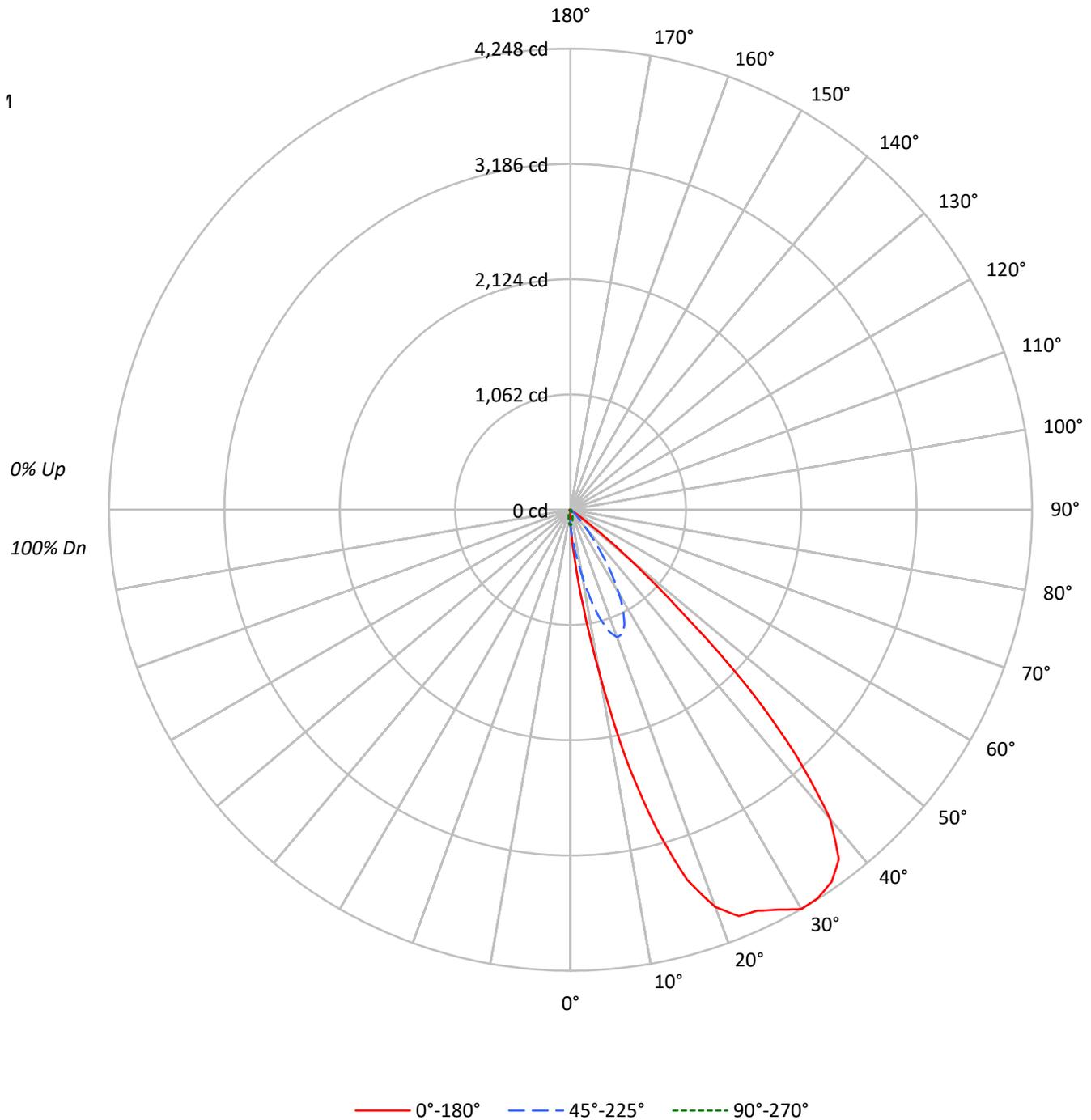
Test Method: LM-79-2019  
Report Number: P1315778  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R359735DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1336.0 lumens  
Efficiency: N/A  
Efficacy: 63.0 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 (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

TEST NUMBER: P1315778  
CATALOG NUMBER: LDSQA3D17R359735DE010 3LSQCA30R 1MW

### 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	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°	24163	24163	24163	24163	24163
5°	82308	53489	22595	9543	7054
10°	264890	108425	17820	3568	2308
15°	539708	183897	12623	1284	856
20°	713693	229021	8137	440	440
25°	774378	222654	4561	228	456
30°	844741	177448	1909	239	477
35°	880233	110442	505	252	505
40°	835299	48269	270	540	809
45°	557605	19290	292	877	1461
50°	187016	3215	643	1286	1929
55°	10449	360	721	1802	2522
60°	827	413	1240	2067	2893
65°	978	489	1467	2445	3423
70°	604	604	1813	3021	3626
75°	799	799	2396	3194	3993
80°	0	1190	3570	3570	3570
85°	0	2371	7114	2371	4742

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 557605 cd/sqm



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CATALOG NUMBER: LDSQA3D17R359735DE010 3LSQCA30R 1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.4	1.8
10°-20°	191.9	14.4
20°-30°	405.0	30.3
30°-40°	459.5	34.4
40°-50°	226.2	16.9
50°-60°	19.6	1.5
60°-70°	4.0	0.3
70°-80°	3.7	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°	621.2	46.5
0°-40°	1080.7	80.9
0°-60°	1326.5	99.3
0°-90°	1336.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1336.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	140	140	140	140	140	
5°	476	309	131	55	41	78
15°	3027	1031	71	7	5	861
25°	4075	1172	24	1	2	1896
35°	4187	525	2	1	2	2580
45°	2289	79	1	4	6	1692
55°	35	1	2	6	8	136
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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3
2.5°	243.5	249.4	247.1	245.9	244.7	239.9	229.1	227.9	217.1	209.9	173.9
5°	476.1	466.5	468.9	455.7	438.9	415.0	399.4	365.8	338.2	309.4	202.7
7.5°	897.1	883.9	858.7	820.3	780.7	729.2	651.2	588.8	516.9	448.5	225.5
10°	1514.7	1507.5	1475.1	1376.8	1290.4	1152.5	1023.0	886.3	751.9	620.0	241.1
12.5°	2339.8	2290.6	2231.9	2101.1	1930.8	1758.1	1502.7	1266.4	1051.8	831.1	242.3
15°	3027.0	2995.8	2913.0	2742.7	2537.7	2288.2	1984.8	1667.0	1343.2	1031.4	230.3
17.5°	3579.8	3531.9	3425.1	3258.4	3022.2	2698.4	2343.4	1956.0	1561.5	1174.1	209.9
20°	3894.1	3868.9	3787.3	3620.6	3362.8	3009.0	2604.8	2153.9	1698.2	1249.6	183.5
22.5°	4052.4	4034.4	3974.4	3841.3	3600.2	3244.0	2781.1	2257.0	1737.8	1241.3	155.9
25°	4075.1	4070.3	4018.8	3918.0	3716.6	3364.0	2857.9	2276.2	1705.4	1171.7	129.5
27.5°	4154.3	4137.5	4076.3	3975.6	3772.9	3384.4	2831.5	2210.3	1601.0	1049.4	107.9
30°	4247.8	4235.8	4174.7	4070.3	3830.5	3365.2	2738.0	2064.0	1434.3	892.3	80.4
32.5°	4240.6	4235.8	4184.3	4073.9	3789.7	3252.4	2571.3	1844.5	1207.7	704.0	50.4
35°	4186.7	4169.9	4105.1	3934.8	3557.1	2962.2	2254.6	1547.1	955.8	525.3	32.4
37.5°	4057.2	4021.2	3912.0	3623.0	3140.9	2514.9	1836.1	1194.5	676.4	351.4	20.4
40°	3715.4	3669.8	3450.3	3101.3	2596.4	1981.2	1366.0	821.5	446.1	214.7	8.4
42.5°	3082.1	2989.8	2770.3	2411.7	1938.0	1400.8	897.1	532.5	262.6	129.5	2.4
45°	2289.4	2218.7	1988.4	1663.4	1270.0	898.3	543.3	287.8	145.1	79.2	1.2
47.5°	1333.6	1290.4	1171.7	958.2	701.6	471.3	278.2	154.7	85.1	38.4	1.2
50°	698.0	644.0	554.1	419.7	309.4	217.1	135.5	82.8	42.0	12.0	1.2
52.5°	244.7	241.1	219.5	165.5	134.3	97.1	66.0	36.0	12.0	2.4	1.2
55°	34.8	34.8	32.4	36.0	38.4	34.8	22.8	9.6	2.4	1.2	1.2
57.5°	2.4	2.4	2.4	3.6	4.8	4.8	3.6	1.2	1.2	1.2	2.4
60°	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4
62.5°	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4
65°	2.4	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	3.6
72.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.6
75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.6
77.5°	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	2.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	2.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	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°	140.3	140.3	140.3	140.3	140.3
2.5°	139.1	111.5	88.7	78.0	74.4
5°	130.7	83.9	55.2	43.2	40.8
7.5°	116.3	60.0	33.6	24.0	22.8
10°	101.9	43.2	20.4	14.4	13.2
12.5°	85.1	30.0	13.2	8.4	7.2
15°	70.8	20.4	7.2	6.0	4.8
17.5°	56.4	13.2	4.8	3.6	4.8
20°	44.4	8.4	2.4	2.4	2.4
22.5°	33.6	4.8	2.4	2.4	2.4
25°	24.0	2.4	1.2	1.2	2.4
27.5°	16.8	1.2	1.2	1.2	2.4
30°	9.6	1.2	1.2	1.2	2.4
32.5°	4.8	1.2	1.2	2.4	2.4
35°	2.4	1.2	1.2	2.4	2.4
37.5°	1.2	1.2	1.2	2.4	3.6
40°	1.2	1.2	2.4	3.6	3.6
42.5°	1.2	1.2	2.4	3.6	4.8
45°	1.2	2.4	3.6	4.8	6.0
47.5°	2.4	2.4	4.8	6.0	7.2
50°	2.4	3.6	4.8	7.2	7.2
52.5°	2.4	3.6	6.0	7.2	8.4
55°	2.4	4.8	6.0	8.4	8.4
57.5°	3.6	4.8	6.0	8.4	8.4
60°	3.6	4.8	6.0	8.4	8.4
62.5°	3.6	4.8	6.0	8.4	8.4
65°	3.6	4.8	6.0	8.4	8.4
67.5°	3.6	4.8	6.0	7.2	8.4
70°	3.6	4.8	6.0	7.2	7.2
72.5°	4.8	4.8	6.0	7.2	7.2
75°	3.6	4.8	4.8	6.0	6.0
77.5°	3.6	3.6	3.6	4.8	4.8
80°	3.6	3.6	3.6	3.6	3.6
82.5°	3.6	2.4	2.4	3.6	3.6
85°	3.6	2.4	1.2	2.4	2.4
87.5°	2.4	2.4	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)