

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: P1308296

Luminaire Tested: LDSQA3D17R359027DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

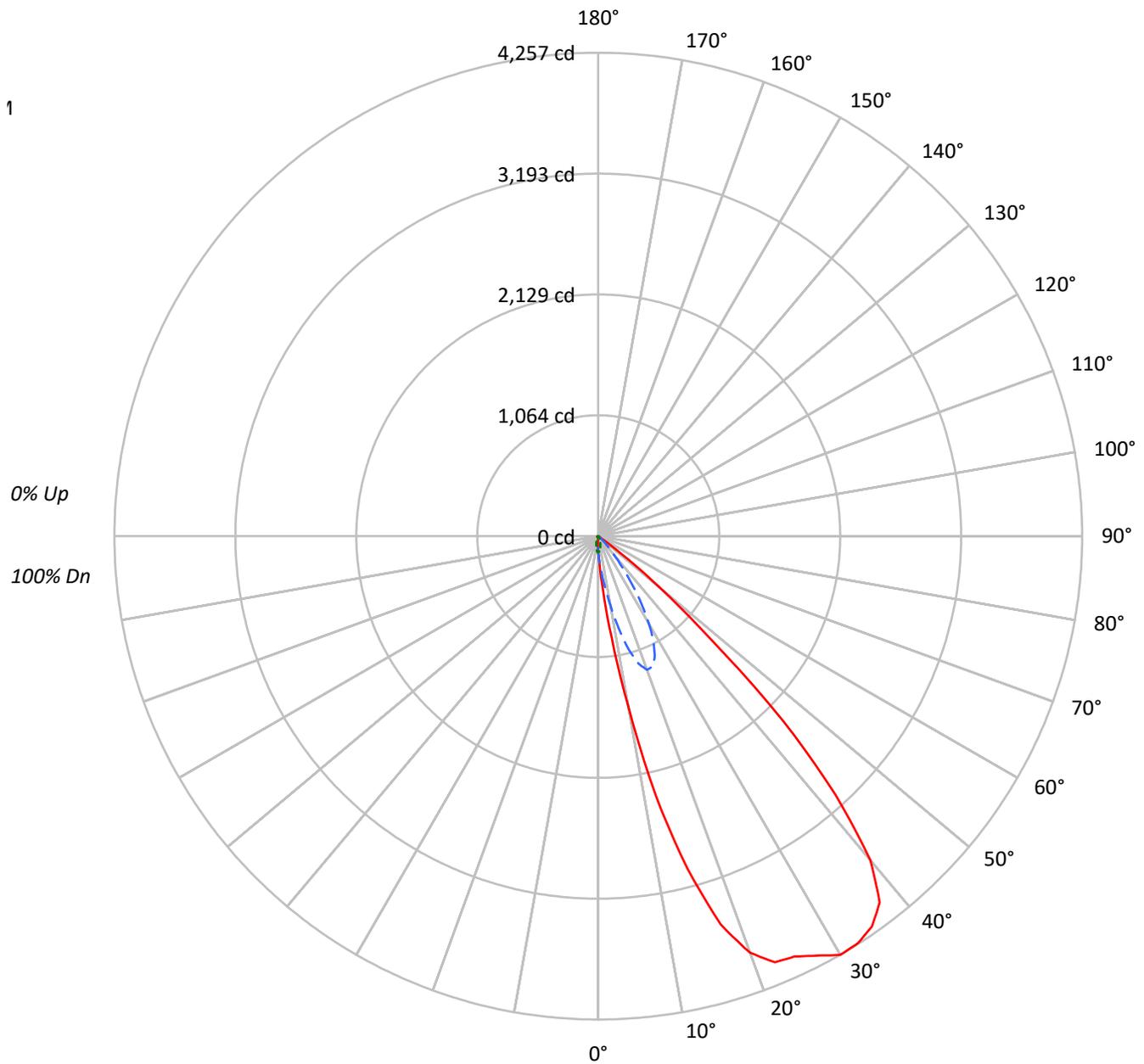
Test Method: LM-79-2019  
Report Number: P1308296  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R359027DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1339.0 lumens  
Efficiency: N/A  
Efficacy: 63.2 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

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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	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	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	89	87	83
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	82	79	74
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	76	72	67
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	70	66	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	65	60	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	60	55	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	55	50	45
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	51	46	41
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	47	42	37

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

	0°	45°	90°	135°	180°
0°	24215	24215	24215	24215	24215
5°	82499	53610	22647	9560	7071
10°	265484	108670	17873	3568	2308
15°	540920	184307	12641	1284	856
20°	715288	229553	8156	440	440
25°	776126	223148	4561	228	456
30°	846650	177845	1909	239	477
35°	882209	110694	505	252	505
40°	837165	48381	270	540	809
45°	558872	19314	292	877	1461
50°	187418	3215	643	1286	1929
55°	10479	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: 558872 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.4	1.8
10°-20°	192.3	14.4
20°-30°	405.9	30.3
30°-40°	460.5	34.4
40°-50°	226.7	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°	622.6	46.5
0°-40°	1083.2	80.9
0°-60°	1329.5	99.3
0°-90°	1339.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1339.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	141	141	141	141	141	
5°	477	310	131	55	41	79
15°	3034	1034	71	7	5	863
25°	4084	1174	24	1	2	1901
35°	4196	526	2	1	2	2586
45°	2295	79	1	4	6	1695
55°	35	1	2	6	8	137
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°	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6
2.5°	244.0	250.0	247.6	246.4	245.2	240.4	229.6	228.4	217.6	210.3	174.3
5°	477.2	467.6	470.0	456.7	439.9	415.9	400.3	366.6	339.0	310.1	203.1
7.5°	899.1	885.9	860.6	822.1	782.5	730.8	652.7	590.2	518.0	449.5	226.0
10°	1518.1	1510.9	1478.4	1379.9	1293.3	1155.1	1025.3	888.3	753.6	621.4	241.6
12.5°	2345.0	2295.8	2236.9	2105.9	1935.2	1762.1	1506.1	1269.3	1054.1	833.0	242.8
15°	3033.8	3002.5	2919.6	2748.9	2543.4	2293.4	1989.3	1670.7	1346.2	1033.7	230.8
17.5°	3587.9	3539.8	3432.8	3265.8	3029.0	2704.4	2348.7	1960.4	1565.0	1176.7	210.3
20°	3902.8	3877.6	3795.8	3628.7	3370.3	3015.7	2610.7	2158.7	1702.0	1252.5	183.9
22.5°	4061.5	4043.4	3983.3	3849.9	3608.3	3251.3	2787.4	2262.1	1741.7	1244.0	156.3
25°	4084.3	4079.5	4027.8	3926.8	3724.9	3371.5	2864.3	2281.3	1709.2	1174.3	129.8
27.5°	4163.6	4146.8	4085.5	3984.5	3781.4	3392.0	2837.9	2215.2	1604.6	1051.7	108.2
30°	4257.4	4245.4	4184.1	4079.5	3839.1	3372.7	2744.1	2068.6	1437.6	894.3	80.5
32.5°	4250.2	4245.4	4193.7	4083.1	3798.2	3259.7	2577.0	1848.6	1210.4	705.6	50.5
35°	4196.1	4179.3	4114.3	3943.7	3565.0	2968.9	2259.7	1550.5	958.0	526.5	32.5
37.5°	4066.3	4030.2	3920.8	3631.2	3148.0	2520.5	1840.2	1197.2	677.9	352.2	20.4
40°	3723.7	3678.0	3458.1	3108.3	2602.3	1985.7	1369.0	823.3	447.1	215.2	8.4
42.5°	3089.1	2996.5	2776.6	2417.2	1942.4	1403.9	899.1	533.7	263.2	129.8	2.4
45°	2294.6	2223.6	1992.9	1667.1	1272.9	900.3	544.5	288.5	145.4	79.3	1.2
47.5°	1336.6	1293.3	1174.3	960.4	703.2	472.4	278.9	155.1	85.3	38.5	1.2
50°	699.5	645.5	555.3	420.7	310.1	217.6	135.8	82.9	42.1	12.0	1.2
52.5°	245.2	241.6	220.0	165.9	134.6	97.4	66.1	36.1	12.0	2.4	1.2
55°	34.9	34.9	32.5	36.1	38.5	34.9	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	0.0	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°	140.6	140.6	140.6	140.6	140.6
2.5°	139.4	111.8	88.9	78.1	74.5
5°	131.0	84.1	55.3	43.3	40.9
7.5°	116.6	60.1	33.7	24.0	22.8
10°	102.2	43.3	20.4	14.4	13.2
12.5°	85.3	30.0	13.2	8.4	7.2
15°	70.9	20.4	7.2	6.0	4.8
17.5°	56.5	13.2	4.8	3.6	4.8
20°	44.5	8.4	2.4	2.4	2.4
22.5°	33.7	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)