

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: P1310531

Luminaire Tested: LDSQA3D17R359035DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

**Test Information**

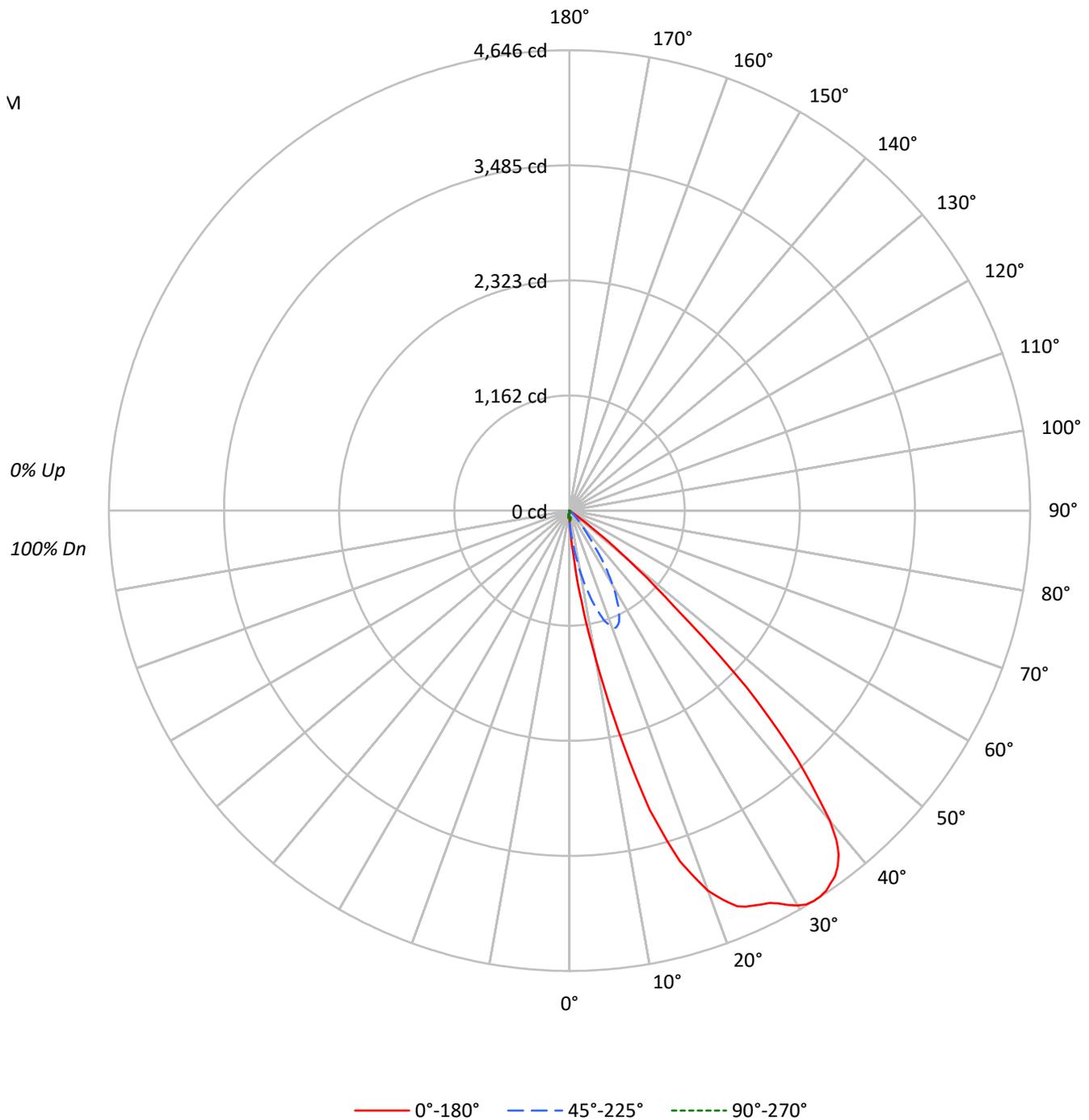
Test Method: LM-79-2019  
Report Number: P1310531  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R359035DE010 3LSQCA30R 1MMS  
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , 3LSQCA30R 1MMS TRII  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1388.0 lumens  
Efficiency: N/A  
Efficacy: 65.5 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29  
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





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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	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	89	87	85	83
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	82	79	76	75
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	76	72	69	67
5	86	76	70	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	46	55	50	46	55	50	46	45
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	47	42	38	37

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

	0°	45°	90°	135°	180°
0°	18014	18014	18014	18014	18014
5°	78298	48528	16718	5947	4115
10°	263526	109527	12504	1382	455
15°	557645	179671	7792	0	0
20°	747709	229571	3647	0	0
25°	835642	225448	760	0	0
30°	914802	172735	0	0	0
35°	965487	94106	0	0	0
40°	917808	42266	0	0	0
45°	615987	18705	0	0	0
50°	205771	1768	0	0	0
55°	11140	0	0	0	0
60°	0	0	448	0	0
65°	0	0	1060	0	0
70°	0	655	1309	0	0
75°	0	865	1730	0	0
80°	0	1289	2579	0	0
85°	0	2569	5138	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 615987 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	22.5	1.6
10°-20°	192.6	13.9
20°-30°	422.6	30.4
30°-40°	488.7	35.2
40°-50°	241.3	17.4
50°-60°	17.8	1.3
60°-70°	0.6	0.0
70°-80°	1.0	0.1
80°-90°	0.9	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°	637.6	45.9
0°-40°	1126.4	81.2
0°-60°	1385.5	99.8
0°-90°	1388.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1388.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	105	105	105	105	105	
5°	453	281	97	34	24	78
15°	3128	1008	44	0	0	883
25°	4398	1186	4	0	0	2033
35°	4592	448	0	0	0	2835
45°	2529	77	0	0	0	1856
55°	37	0	0	0	0	151
65°	0	0	3	0	0	0
75°	0	1	3	0	0	0
85°	0	1	3	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6
2.5°	207.9	213.2	210.5	210.5	209.2	202.6	190.7	186.7	172.1	136.4	105.9
5°	452.9	454.2	450.2	430.3	413.1	397.2	362.8	346.9	280.7	166.8	96.7
7.5°	919.0	899.1	873.9	846.1	785.2	729.6	656.8	580.0	434.3	193.3	86.1
10°	1506.9	1479.1	1457.9	1391.7	1281.8	1167.9	1028.9	903.1	626.3	211.9	71.5
12.5°	2265.6	2249.7	2174.3	2041.8	1879.0	1714.8	1472.5	1272.5	819.6	215.8	58.3
15°	3127.6	3101.2	2986.0	2797.9	2576.8	2318.6	1994.2	1657.8	1007.7	203.9	43.7
17.5°	3716.9	3702.3	3603.0	3405.7	3151.5	2823.1	2439.1	2019.3	1162.6	178.8	30.5
20°	4079.7	4058.5	3965.8	3799.0	3532.8	3189.9	2734.4	2249.7	1252.6	147.0	19.9
21°	4173.7	4152.5	4078.4	3904.9	3650.7	3282.6	2815.1	2305.3	1269.9	132.4	15.9
22°	4262.4	4241.3	4163.1	4009.5	3757.9	3373.9	2878.7	2347.7	1267.2	120.5	11.9
23°	4336.6	4314.1	4237.3	4095.6	3842.7	3454.7	2926.4	2368.9	1250.0	108.6	9.3
24°	4375.0	4361.8	4292.9	4159.2	3911.5	3511.6	2959.5	2376.9	1228.8	96.7	6.6
25°	4397.5	4381.6	4314.1	4190.9	3956.6	3556.7	2980.7	2370.2	1186.4	86.1	4.0
26°	4421.3	4397.5	4320.7	4201.5	3980.4	3577.9	2982.0	2353.0	1141.4	76.8	1.3
27°	4442.5	4420.0	4340.6	4209.5	3984.4	3571.2	2971.4	2319.9	1087.1	67.5	1.3
28°	4488.9	4463.7	4372.3	4226.7	3988.3	3554.0	2938.3	2274.9	1015.6	59.6	0.0
29°	4549.8	4523.3	4418.7	4267.7	3997.6	3535.5	2893.3	2215.3	953.4	53.0	0.0
30°	4600.1	4576.3	4479.6	4319.4	4021.4	3518.3	2840.3	2134.5	868.6	45.0	0.0
31°	4637.2	4613.3	4524.6	4363.1	4042.6	3502.4	2774.1	2051.1	791.8	39.7	0.0
32°	4646.4	4626.6	4543.2	4381.6	4042.6	3478.5	2713.2	1957.1	716.4	33.1	0.0
33°	4642.5	4622.6	4537.9	4368.4	4006.9	3421.6	2639.0	1844.5	630.3	29.1	0.0
34°	4627.9	4604.1	4514.0	4326.0	3936.7	3324.9	2531.8	1732.0	540.3	23.8	0.0
35°	4592.2	4571.0	4473.0	4246.6	3828.1	3178.0	2388.8	1602.2	447.6	19.9	0.0
36°	4557.7	4525.9	4405.5	4148.6	3685.1	3027.0	2218.0	1452.6	368.1	15.9	0.0
37°	4494.2	4449.1	4327.3	4006.9	3482.5	2813.8	2023.3	1288.4	308.5	11.9	0.0
38°	4409.4	4348.5	4193.6	3842.7	3278.6	2613.9	1840.6	1140.1	259.5	7.9	0.0
39°	4278.3	4206.8	3996.3	3617.6	3042.9	2382.1	1631.4	982.5	221.1	5.3	0.0
40°	4082.4	4014.8	3781.8	3350.1	2808.5	2126.6	1416.8	805.1	188.0	2.6	0.0
42.5°	3399.1	3306.4	3036.3	2607.3	2076.3	1529.4	937.5	447.6	124.5	0.0	0.0
45°	2529.1	2447.0	2182.2	1791.6	1383.7	936.2	501.9	263.5	76.8	0.0	0.0
47.5°	1428.8	1419.5	1247.4	1028.9	772.0	497.9	254.2	158.9	33.1	0.0	0.0
50°	768.0	720.3	621.0	471.4	321.8	217.2	137.7	87.4	6.6	0.0	0.0
52.5°	280.7	271.5	227.8	189.4	145.7	99.3	70.2	38.4	0.0	0.0	0.0
55°	37.1	34.4	35.8	38.4	39.7	34.4	22.5	7.9	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	1.3	2.6	2.6	2.6	0.0	0.0	0.0	1.3
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	2.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	2.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	2.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	2.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	2.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	2.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	2.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	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):**

	112.5°	135°	157.5°	180°
0°	104.6	104.6	104.6	104.6
2.5°	80.8	62.2	53.0	51.6
5°	55.6	34.4	25.2	23.8
7.5°	38.4	17.2	11.9	10.6
10°	22.5	7.9	4.0	2.6
12.5°	13.2	1.3	0.0	0.0
15°	4.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	1.3	0.0	0.0	0.0
67.5°	1.3	0.0	0.0	0.0
70°	1.3	0.0	0.0	0.0
72.5°	1.3	0.0	0.0	0.0
75°	1.3	0.0	0.0	0.0
77.5°	1.3	0.0	0.0	0.0
80°	1.3	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	112.5°	135°	157.5°	180°
82.5°	1.3	0.0	0.0	0.0
85°	1.3	0.0	0.0	0.0
87.5°	1.3	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)