

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: P1316750

Luminaire Tested: LDSQA3D17R359740DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316750  
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: LDSQA3D17R359740DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

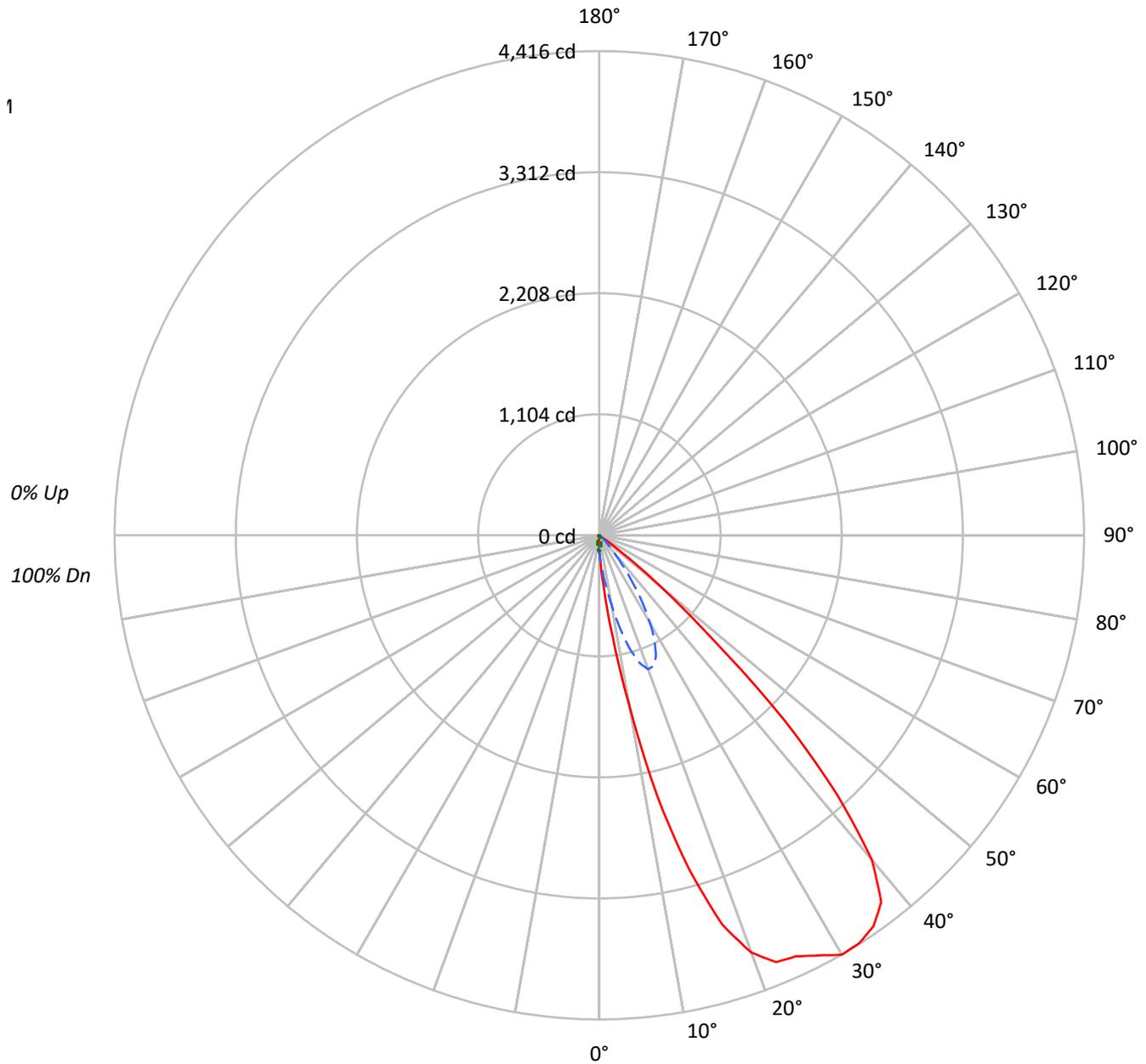
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1388.9 lumens  
Efficiency: N/A  
Efficacy: 65.5 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	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	51	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°	25127	25127	25127	25127	25127
5°	85576	55616	23494	9923	7330
10°	275400	112727	18537	3707	2396
15°	561122	191189	13123	1337	891
20°	741991	238112	8449	458	458
25°	805105	231490	4732	228	475
30°	878270	184488	1989	239	497
35°	915155	114815	526	252	526
40°	868437	50180	270	562	832
45°	579721	20045	292	901	1510
50°	194437	3349	670	1340	2009
55°	10869	360	751	1862	2612
60°	861	413	1274	2136	2997
65°	1019	489	1508	2527	3545
70°	604	604	1863	3122	3777
75°	799	799	2462	3327	4126
80°	0	1190	3670	3670	3670
85°	0	2371	7311	2371	4940

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 579721 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.3	1.8
10°-20°	199.5	14.4
20°-30°	421.1	30.3
30°-40°	477.7	34.4
40°-50°	235.1	16.9
50°-60°	20.4	1.5
60°-70°	4.1	0.3
70°-80°	3.8	0.3
80°-90°	1.9	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°	645.9	46.5
0°-40°	1123.6	80.9
0°-60°	1379.1	99.3
0°-90°	1388.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1388.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	146	146	146	146	146	
5°	495	322	136	57	42	81
15°	3147	1072	74	8	5	895
25°	4237	1218	25	1	2	1971
35°	4353	546	2	1	2	2683
45°	2380	82	1	4	6	1759
55°	36	1	2	6	9	142
65°	2	1	4	6	9	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°	145.9	145.9	145.9	145.9	145.9	145.9	145.9	145.9	145.9	145.9	145.9
2.5°	253.1	259.3	256.9	255.6	254.4	249.4	238.1	236.9	225.7	218.2	180.8
5°	495.0	485.0	487.5	473.8	456.3	431.4	415.2	380.3	351.6	321.7	210.7
7.5°	932.6	918.9	892.7	852.8	811.7	758.1	677.0	612.2	537.4	466.3	234.4
10°	1574.8	1567.3	1533.6	1431.4	1341.6	1198.2	1063.6	921.4	781.8	644.6	250.6
12.5°	2432.6	2381.5	2320.4	2184.5	2007.4	1827.9	1562.3	1316.7	1093.5	864.1	251.9
15°	3147.1	3114.6	3028.6	2851.6	2638.3	2379.0	2063.5	1733.1	1396.5	1072.3	239.4
17.5°	3721.9	3672.0	3561.0	3387.7	3142.1	2805.4	2436.4	2033.6	1623.4	1220.7	218.2
20°	4048.5	4022.4	3937.6	3764.3	3496.2	3128.4	2708.2	2239.3	1765.5	1299.2	190.8
22.5°	4213.1	4194.4	4132.1	3993.7	3743.1	3372.7	2891.5	2346.6	1806.7	1290.5	162.1
25°	4236.8	4231.8	4178.2	4073.5	3864.0	3497.4	2971.3	2366.5	1773.0	1218.2	134.7
27.5°	4319.1	4301.6	4238.1	4133.3	3922.6	3518.6	2943.8	2298.0	1664.5	1091.0	112.2
30°	4416.4	4403.9	4340.3	4231.8	3982.5	3498.7	2846.6	2145.8	1491.2	927.7	83.5
32.5°	4408.9	4403.9	4350.3	4235.6	3940.1	3381.5	2673.3	1917.7	1255.6	731.9	52.4
35°	4352.8	4335.3	4268.0	4090.9	3698.2	3079.7	2344.1	1608.4	993.7	546.1	33.7
37.5°	4218.1	4180.7	4067.2	3766.7	3265.5	2614.7	1908.9	1241.9	703.2	365.3	21.2
40°	3862.8	3815.4	3587.2	3224.4	2699.4	2059.8	1420.2	854.1	463.8	223.2	8.7
42.5°	3204.4	3108.4	2880.2	2507.4	2014.9	1456.3	932.6	553.6	273.1	134.7	2.5
45°	2380.2	2306.7	2067.3	1729.4	1320.4	933.9	564.8	299.2	150.9	82.3	1.2
47.5°	1386.5	1341.6	1218.2	996.2	729.4	490.0	289.3	160.8	88.5	39.9	1.2
50°	725.7	669.6	576.0	436.4	321.7	225.7	140.9	86.0	43.6	12.5	1.2
52.5°	254.4	250.6	228.2	172.1	139.6	101.0	68.6	37.4	12.5	2.5	1.2
55°	36.2	36.2	33.7	37.4	39.9	36.2	23.7	10.0	2.5	1.2	1.2
57.5°	2.5	2.5	2.5	3.7	5.0	5.0	3.7	1.2	1.2	1.2	2.5
60°	2.5	2.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5
62.5°	2.5	2.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5
65°	2.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5
67.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5
70°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.7
72.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.7
75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.7
77.5°	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	2.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	2.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	2.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	2.5
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°	145.9	145.9	145.9	145.9	145.9
2.5°	144.6	116.0	92.3	81.0	77.3
5°	135.9	87.3	57.4	44.9	42.4
7.5°	120.9	62.3	34.9	24.9	23.7
10°	106.0	44.9	21.2	15.0	13.7
12.5°	88.5	31.2	13.7	8.7	7.5
15°	73.6	21.2	7.5	6.2	5.0
17.5°	58.6	13.7	5.0	3.7	5.0
20°	46.1	8.7	2.5	2.5	2.5
22.5°	34.9	5.0	2.5	2.5	2.5
25°	24.9	2.5	1.2	1.2	2.5
27.5°	17.5	1.2	1.2	1.2	2.5
30°	10.0	1.2	1.2	1.2	2.5
32.5°	5.0	1.2	1.2	2.5	2.5
35°	2.5	1.2	1.2	2.5	2.5
37.5°	1.2	1.2	1.2	2.5	3.7
40°	1.2	1.2	2.5	3.7	3.7
42.5°	1.2	1.2	2.5	3.7	5.0
45°	1.2	2.5	3.7	5.0	6.2
47.5°	2.5	2.5	5.0	6.2	7.5
50°	2.5	3.7	5.0	7.5	7.5
52.5°	2.5	3.7	6.2	7.5	8.7
55°	2.5	5.0	6.2	8.7	8.7
57.5°	3.7	5.0	6.2	8.7	8.7
60°	3.7	5.0	6.2	8.7	8.7
62.5°	3.7	5.0	6.2	8.7	8.7
65°	3.7	5.0	6.2	8.7	8.7
67.5°	3.7	5.0	6.2	7.5	8.7
70°	3.7	5.0	6.2	7.5	7.5
72.5°	5.0	5.0	6.2	7.5	7.5
75°	3.7	5.0	5.0	6.2	6.2
77.5°	3.7	3.7	3.7	5.0	5.0
80°	3.7	3.7	3.7	3.7	3.7
82.5°	3.7	2.5	2.5	3.7	3.7
85°	3.7	2.5	1.2	2.5	2.5
87.5°	2.5	2.5	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)