

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: P1312873

Luminaire Tested: LDSQA3D20R359050D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

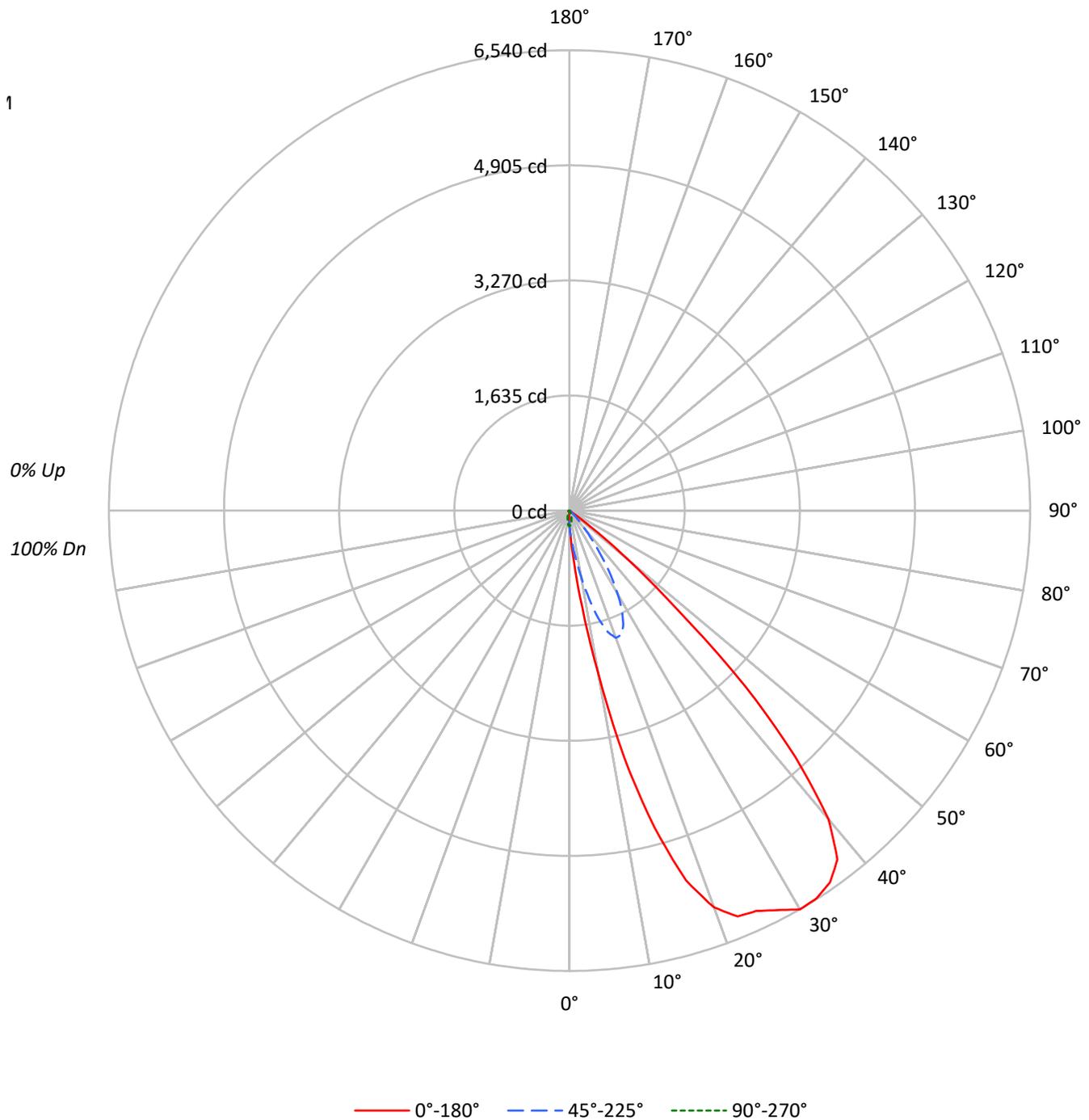
Test Method: LM-79-2019  
Report Number: P1312873  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R359050D010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2056.9 lumens  
Efficiency: N/A  
Efficacy: 71.4 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): 28.8  
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

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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	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°	37200	37200	37200	37200	37200
5°	126739	82360	34801	14678	10857
10°	407836	166940	27456	5491	3550
15°	830958	283137	19417	1979	1319
20°	1098847	352622	12518	678	678
25°	1192303	342808	7012	342	703
30°	1300641	273202	2943	358	736
35°	1355260	170046	778	378	778
40°	1286064	74303	405	832	1237
45°	858548	29690	438	1340	2241
50°	287945	4957	991	1983	2974
55°	16064	540	1111	2762	3873
60°	1274	620	1894	3169	4443
65°	1508	734	2241	3749	5257
70°	906	906	2769	4633	5589
75°	1198	1198	3660	4924	6122
80°	0	1785	5455	5455	5455
85°	0	3557	10868	3557	7311

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 858548 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	37.5	1.8
10°-20°	295.4	14.4
20°-30°	623.6	30.3
30°-40°	707.5	34.4
40°-50°	348.2	16.9
50°-60°	30.2	1.5
60°-70°	6.1	0.3
70°-80°	5.7	0.3
80°-90°	2.8	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°	956.5	46.5
0°-40°	1664.0	80.9
0°-60°	2042.3	99.3
0°-90°	2056.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2056.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	216	216	216	216	216	
5°	733	476	201	85	63	121
15°	4660	1588	109	11	7	1325
25°	6274	1804	37	2	4	2920
35°	6446	809	4	2	4	3973
45°	3525	122	2	6	9	2604
55°	54	2	4	9	13	210
65°	4	2	6	9	13	3
75°	2	2	6	7	9	1
85°	0	2	6	2	4	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°	216.0	216.0	216.0	216.0	216.0	216.0	216.0	216.0	216.0	216.0	216.0
2.5°	374.8	384.1	380.4	378.5	376.7	369.3	352.7	350.8	334.2	323.1	267.7
5°	733.1	718.3	722.0	701.7	675.8	638.9	614.9	563.2	520.7	476.4	312.1
7.5°	1381.2	1360.9	1322.1	1263.0	1202.1	1122.7	1002.6	906.6	795.8	690.6	347.1
10°	2332.1	2321.0	2271.2	2119.8	1986.8	1774.5	1575.1	1364.6	1157.8	954.6	371.1
12.5°	3602.5	3526.8	3436.3	3235.1	2972.9	2707.0	2313.7	1949.9	1619.4	1279.6	373.0
15°	4660.5	4612.5	4485.1	4222.9	3907.2	3523.1	3055.9	2566.6	2068.1	1588.0	354.5
17.5°	5511.8	5437.9	5273.6	5016.9	4653.2	4154.6	3608.0	3011.6	2404.1	1807.7	323.1
20°	5995.6	5956.8	5831.2	5574.6	5177.6	4632.8	4010.6	3316.3	2614.6	1924.0	282.5
22.5°	6239.3	6211.6	6119.3	5914.3	5543.2	4994.8	4282.0	3475.1	2675.6	1911.1	240.0
25°	6274.4	6267.0	6187.6	6032.5	5722.3	5179.4	4400.2	3504.6	2625.7	1804.0	199.4
27.5°	6396.3	6370.4	6276.2	6121.1	5809.1	5210.8	4359.6	3403.1	2465.1	1615.7	166.2
30°	6540.3	6521.8	6427.6	6267.0	5897.7	5181.3	4215.5	3177.8	2208.4	1373.8	123.7
32.5°	6529.2	6521.8	6442.4	6272.5	5834.9	5007.7	3958.9	2839.9	1859.4	1083.9	77.6
35°	6446.1	6420.3	6320.5	6058.3	5476.7	4560.8	3471.4	2382.0	1471.7	808.8	49.9
37.5°	6246.7	6191.3	6023.3	5578.3	4836.0	3872.1	2827.0	1839.1	1041.4	541.0	31.4
40°	5720.4	5650.3	5312.4	4775.0	3997.7	3050.4	2103.2	1264.8	686.9	330.5	12.9
42.5°	4745.5	4603.3	4265.4	3713.3	2983.9	2156.7	1381.2	819.8	404.4	199.4	3.7
45°	3525.0	3416.0	3061.5	2561.1	1955.4	1383.0	836.5	443.2	223.4	121.9	1.8
47.5°	2053.3	1986.8	1804.0	1475.3	1080.2	725.7	428.4	238.2	131.1	59.1	1.8
50°	1074.7	991.6	853.1	646.3	476.4	334.2	208.7	127.4	64.6	18.5	1.8
52.5°	376.7	371.1	337.9	254.8	206.8	149.6	101.6	55.4	18.5	3.7	1.8
55°	53.5	53.5	49.9	55.4	59.1	53.5	35.1	14.8	3.7	1.8	1.8
57.5°	3.7	3.7	3.7	5.5	7.4	7.4	5.5	1.8	1.8	1.8	3.7
60°	3.7	3.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.7
62.5°	3.7	3.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.7
65°	3.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.7
67.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.7
70°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	5.5
72.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	5.5
75°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	5.5
77.5°	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	5.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	3.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	3.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	3.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	3.7
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°	216.0	216.0	216.0	216.0	216.0
2.5°	214.2	171.7	136.6	120.0	114.5
5°	201.3	129.3	84.9	66.5	62.8
7.5°	179.1	92.3	51.7	36.9	35.1
10°	157.0	66.5	31.4	22.2	20.3
12.5°	131.1	46.2	20.3	12.9	11.1
15°	108.9	31.4	11.1	9.2	7.4
17.5°	86.8	20.3	7.4	5.5	7.4
20°	68.3	12.9	3.7	3.7	3.7
22.5°	51.7	7.4	3.7	3.7	3.7
25°	36.9	3.7	1.8	1.8	3.7
27.5°	25.9	1.8	1.8	1.8	3.7
30°	14.8	1.8	1.8	1.8	3.7
32.5°	7.4	1.8	1.8	3.7	3.7
35°	3.7	1.8	1.8	3.7	3.7
37.5°	1.8	1.8	1.8	3.7	5.5
40°	1.8	1.8	3.7	5.5	5.5
42.5°	1.8	1.8	3.7	5.5	7.4
45°	1.8	3.7	5.5	7.4	9.2
47.5°	3.7	3.7	7.4	9.2	11.1
50°	3.7	5.5	7.4	11.1	11.1
52.5°	3.7	5.5	9.2	11.1	12.9
55°	3.7	7.4	9.2	12.9	12.9
57.5°	5.5	7.4	9.2	12.9	12.9
60°	5.5	7.4	9.2	12.9	12.9
62.5°	5.5	7.4	9.2	12.9	12.9
65°	5.5	7.4	9.2	12.9	12.9
67.5°	5.5	7.4	9.2	11.1	12.9
70°	5.5	7.4	9.2	11.1	11.1
72.5°	7.4	7.4	9.2	11.1	11.1
75°	5.5	7.4	7.4	9.2	9.2
77.5°	5.5	5.5	5.5	7.4	7.4
80°	5.5	5.5	5.5	5.5	5.5
82.5°	5.5	3.7	3.7	5.5	5.5
85°	5.5	3.7	1.8	3.7	3.7
87.5°	3.7	3.7	1.8	1.8	1.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)