

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: P1319303

Luminaire Tested: LDSQA3D13R659835DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319303  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-68)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R659835DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R65 optic, 3500K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

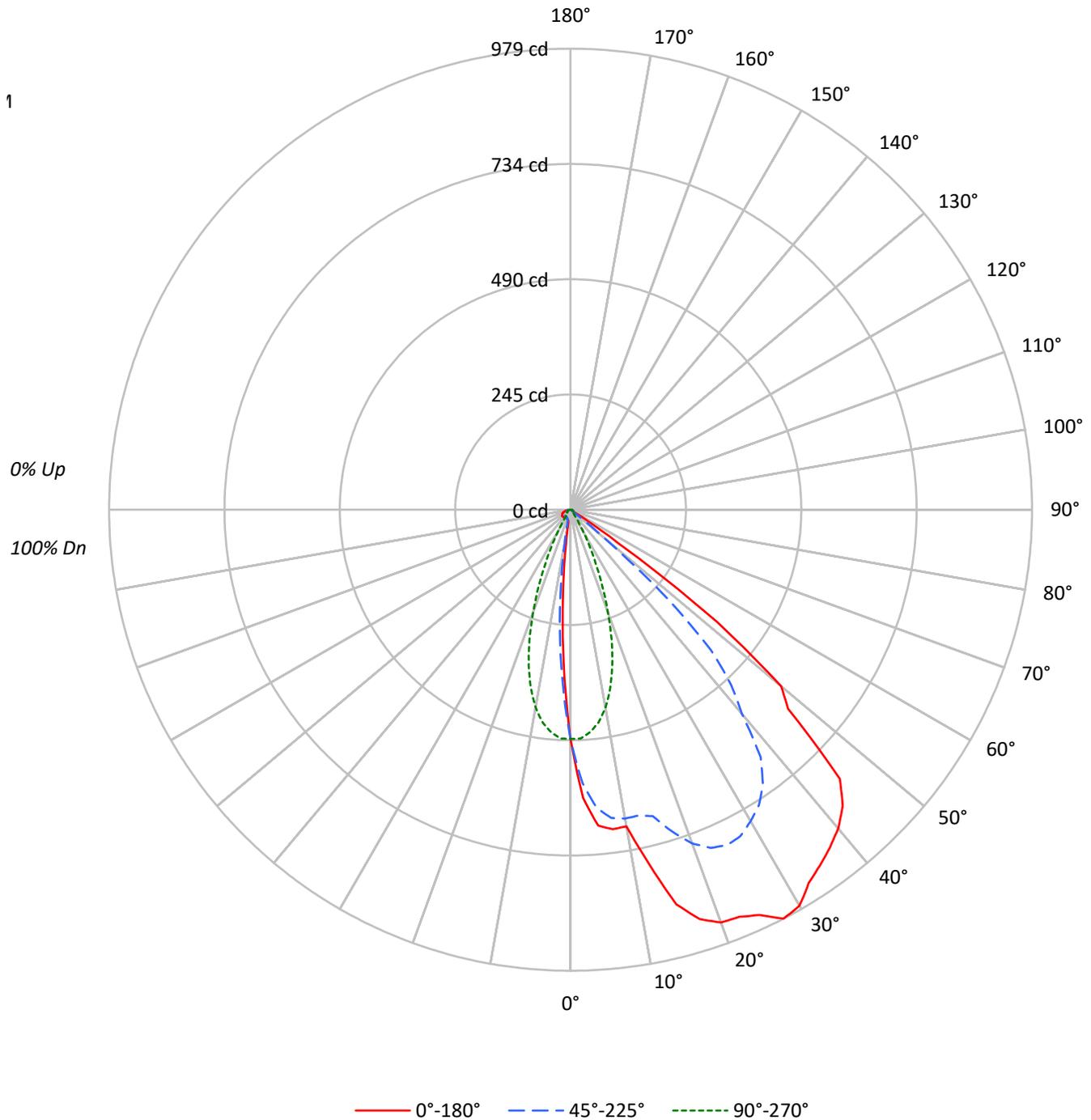
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 729.0 lumens  
Efficiency: N/A  
Efficacy: 50.3 lumens/watt  
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.5  
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	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	81	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	64	60	58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	63	58	54	53
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	58	53	49	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	45	41	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	47	42	38	36

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

	0°	45°	90°	135°	180°
0°	83769	83769	83769	83769	83769
5°	116435	109883	81980	45053	31689
10°	119373	116452	74586	12591	4634
15°	154656	120084	61049	4047	3923
20°	170923	138153	42483	3611	3757
25°	180373	149285	24038	3458	3744
30°	193138	151854	10838	3460	3918
35°	193846	149568	3511	3658	4310
40°	198584	127069	2383	3912	4766
45°	196699	102417	2387	4238	5163
50°	156097	24167	2438	4662	5894
55°	37082	1351	2492	5225	6606
60°	1309	1550	2859	5477	7061
65°	1549	1549	2771	5868	7702
70°	1158	1511	2669	5740	8006
75°	998	1530	2529	6055	8052
80°	793	1488	2975	6050	8232
85°	1581	2964	2964	5928	7509

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 10°  
 Vertical Angle: 45°  
 Luminance: 197064 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.6	5.6
10°-20°	106.9	14.7
20°-30°	167.9	23.0
30°-40°	192.1	26.3
40°-50°	154.4	21.2
50°-60°	50.2	6.9
60°-70°	8.9	1.2
70°-80°	5.9	0.8
80°-90°	2.1	0.3
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°	315.4	43.3
0°-40°	507.5	69.6
0°-60°	712.1	97.7
0°-90°	729.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	729.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	486	486	486	486	486	
5°	674	636	474	261	183	64
15°	867	674	342	23	22	242
25°	949	786	126	18	20	442
35°	922	711	17	17	20	579
45°	808	420	10	17	21	581
55°	124	4	8	17	22	176
65°	4	4	7	14	19	3
75°	2	2	4	9	12	2
85°	1	2	2	3	4	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	486.4	486.4	486.4	486.4	486.4	486.4	486.4	486.4	486.4	486.4	486.4
2.5°	612.1	609.9	612.9	607.6	606.8	601.5	598.5	597.0	590.2	581.1	572.7
5°	673.5	664.4	666.7	665.9	662.1	659.9	656.8	653.0	643.9	635.6	625.0
7.5°	684.1	676.5	678.0	678.8	676.5	675.8	675.0	673.5	667.4	659.9	650.8
10°	682.6	675.0	674.2	672.0	669.7	670.5	670.5	670.5	668.9	665.9	662.9
12.5°	770.5	759.9	757.6	741.7	727.3	702.3	686.4	671.2	664.4	665.2	662.9
15°	867.4	866.7	859.1	843.9	819.7	797.0	760.6	733.3	698.5	673.5	662.9
17.5°	911.4	910.6	903.8	890.9	873.5	852.3	825.8	793.9	755.3	716.7	684.9
20°	932.6	937.9	930.3	919.7	903.0	883.3	858.3	829.5	793.2	753.8	715.9
22.5°	935.6	942.4	935.6	928.0	915.9	903.0	881.8	852.3	815.2	777.3	740.2
25°	949.2	951.5	937.1	927.3	915.9	906.8	890.2	864.4	826.5	785.6	749.2
27.5°	978.8	968.9	938.6	925.0	914.4	906.1	890.2	863.6	822.7	781.1	743.2
30°	971.2	967.4	940.9	928.0	918.9	910.6	890.9	856.8	807.6	763.6	724.2
32.5°	940.2	947.7	938.6	934.1	929.5	918.9	890.2	843.9	788.6	743.9	690.9
35°	922.0	931.1	931.8	931.8	926.5	910.6	876.5	825.0	769.7	711.4	640.2
37.5°	903.8	911.4	915.9	918.9	911.4	888.6	845.5	799.2	738.6	662.1	537.1
40°	883.3	888.6	892.4	893.9	882.6	853.0	813.6	761.4	693.2	565.2	479.5
42.5°	854.5	857.6	856.8	856.1	843.9	811.4	774.2	719.7	584.9	503.8	400.0
45°	807.6	804.5	809.1	809.1	793.2	768.9	719.7	613.6	523.5	420.5	257.6
47.5°	625.8	628.0	650.0	685.6	707.6	700.8	634.1	537.1	440.2	275.8	85.6
50°	582.6	580.3	581.1	584.9	587.1	568.2	520.5	453.8	290.9	90.2	6.1
52.5°	390.9	393.2	410.6	450.8	463.6	450.0	404.5	303.0	106.1	6.1	5.3
55°	123.5	131.8	141.7	162.9	200.0	223.5	218.9	107.6	6.8	4.5	5.3
57.5°	4.5	4.5	6.1	10.6	20.5	33.3	34.8	6.8	5.3	5.3	5.3
60°	3.8	3.8	3.8	3.8	3.8	3.8	4.5	4.5	4.5	4.5	4.5
62.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	4.5	4.5	4.5	4.5
65°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	4.5
67.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.8	3.8	3.8	3.8
70°	2.3	2.3	2.3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.8
72.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.0	3.0	3.0
75°	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3	2.3
80°	0.8	0.8	0.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5	1.5
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5
87.5°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8
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):**

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	486.4	486.4	486.4	486.4	486.4	486.4	486.4	486.4
2.5°	568.2	559.1	540.9	486.4	429.5	372.7	337.1	328.0
5°	612.9	602.3	576.5	474.2	359.1	260.6	204.5	183.3
7.5°	640.2	627.3	597.0	455.3	279.5	151.5	90.9	72.7
10°	652.3	640.9	606.8	426.5	202.3	72.0	31.8	26.5
12.5°	657.6	648.5	610.6	388.6	131.8	31.8	23.5	22.7
15°	659.9	650.0	609.1	342.4	75.0	22.7	22.0	22.0
17.5°	662.1	650.8	600.0	289.4	41.7	21.2	20.5	21.2
20°	680.3	647.7	584.1	231.8	27.3	19.7	19.7	20.5
22.5°	698.5	647.0	556.1	177.3	21.2	18.9	19.7	19.7
25°	704.5	639.4	520.5	126.5	18.2	18.2	18.9	19.7
27.5°	693.2	617.4	472.7	85.6	15.9	18.2	18.9	19.7
30°	666.7	580.3	415.2	54.5	15.2	17.4	18.9	19.7
32.5°	617.4	506.8	350.8	32.6	14.4	17.4	19.7	19.7
35°	518.9	425.0	278.0	16.7	14.4	17.4	19.7	20.5
37.5°	453.8	354.5	193.9	11.4	14.4	17.4	19.7	20.5
40°	376.5	256.1	81.1	10.6	14.4	17.4	19.7	21.2
42.5°	260.6	111.4	12.9	9.8	13.6	17.4	20.5	21.2
45°	93.9	14.4	6.1	9.8	13.6	17.4	20.5	21.2
47.5°	8.3	5.3	6.1	9.8	13.6	17.4	20.5	22.0
50°	5.3	5.3	5.3	9.1	13.6	17.4	20.5	22.0
52.5°	5.3	5.3	5.3	9.1	12.9	17.4	21.2	22.0
55°	5.3	5.3	5.3	8.3	12.9	17.4	20.5	22.0
57.5°	5.3	5.3	6.1	8.3	12.9	16.7	20.5	21.2
60°	5.3	5.3	5.3	8.3	12.1	15.9	19.7	20.5
62.5°	4.5	5.3	5.3	7.6	11.4	15.2	18.9	19.7
65°	4.5	4.5	5.3	6.8	10.6	14.4	17.4	18.9
67.5°	3.8	4.5	4.5	6.1	9.1	12.9	15.9	17.4
70°	3.8	3.8	3.8	5.3	8.3	11.4	15.2	15.9
72.5°	3.0	3.8	3.8	4.5	6.8	9.8	12.9	14.4
75°	3.0	3.0	3.0	3.8	6.1	9.1	11.4	12.1
77.5°	2.3	2.3	3.0	3.0	5.3	6.8	9.8	10.6
80°	2.3	2.3	2.3	3.0	3.8	6.1	7.6	8.3
82.5°	1.5	1.5	1.5	2.3	3.0	3.8	5.3	6.1
85°	1.5	1.5	1.5	1.5	2.3	3.0	3.8	3.8
87.5°	0.8	0.8	0.8	1.5	1.5	1.5	1.5	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)