

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: P1313900

Luminaire Tested: LDSQA3D17R709727DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313900  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-70)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R709727DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

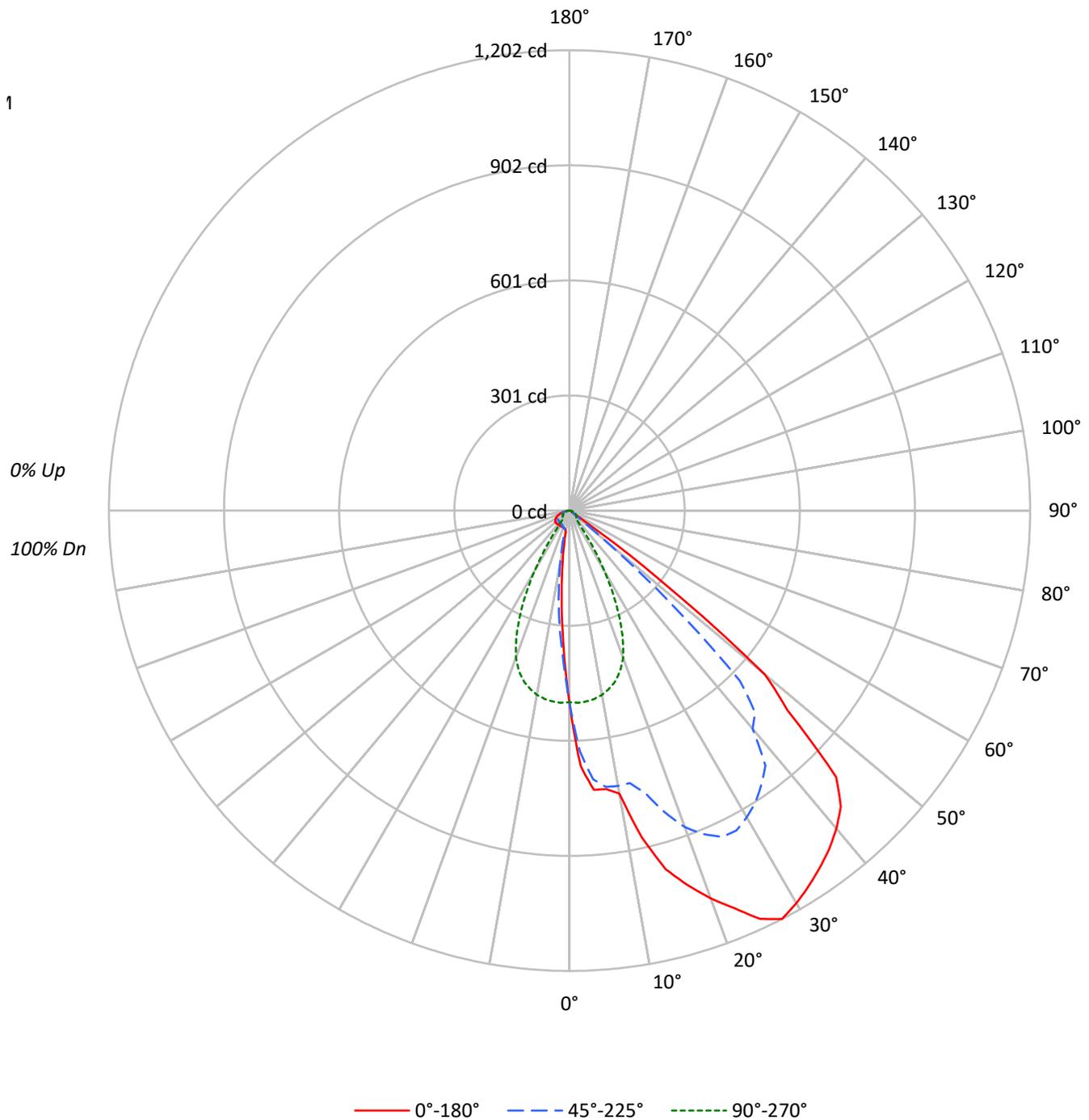
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 950.0 lumens  
Efficiency: N/A  
Efficacy: 44.8 lumens/watt  
Spacing Criteria (0/90/45): 1.69 / 0.89 / 1.39  
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				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	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	92	92	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	82	82	82	80
3	97	89	83	78	95	87	82	77	85	80	76	82	78	74	80	76	73	73	73	73	71
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	65	65	65	64
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	62	59	59	59	59	57
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	53	53	53	51
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	48	48	48	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	43	43	43	42
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	40	40	40	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	36	36	36	35

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

	0°	45°	90°	135°	180°
0°	86146	86146	86146	86146	86146
5°	126531	121691	86475	51622	40437
10°	131212	127627	85394	24693	9986
15°	172789	136077	82267	8844	8647
20°	197369	161209	74868	8504	8687
25°	223471	178625	58794	8190	8608
30°	235377	183931	36452	8153	9227
35°	239322	183565	12005	8389	9755
40°	243548	166974	5823	8970	10657
45°	239711	153321	6040	9450	11545
50°	178201	28293	6055	10396	12700
55°	14232	3873	6486	11020	13602
60°	2962	4099	6303	11126	14122
65°	3056	3953	6153	10962	14507
70°	2719	3777	5992	10323	14099
75°	2129	3593	4991	10048	13641
80°	2182	3174	5356	9620	12794
85°	2174	4347	6323	8497	10671

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 15°  
 Vertical Angle: 45°  
 Luminance: 242585 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.5	4.8
10°-20°	128.0	13.5
20°-30°	214.9	22.6
30°-40°	258.5	27.2
40°-50°	204.9	21.6
50°-60°	65.5	6.9
60°-70°	18.3	1.9
70°-80°	10.9	1.1
80°-90°	3.5	0.4
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°	388.5	40.9
0°-40°	646.9	68.1
0°-60°	917.3	96.6
0°-90°	950.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	950.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	500	500	500	500	500	
5°	732	704	500	299	234	69
15°	969	763	461	50	48	273
25°	1176	940	309	43	45	538
35°	1138	873	57	40	46	713
45°	984	630	25	39	47	707
55°	47	13	22	37	45	149
65°	8	10	15	27	36	7
75°	3	5	8	15	20	4
85°	1	2	3	4	5	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°	500.2	500.2	500.2	500.2	500.2	500.2	500.2	500.2	500.2	500.2	500.2
2.5°	667.3	671.6	671.6	666.2	668.3	659.7	653.2	643.5	641.4	629.5	614.4
5°	731.9	729.8	729.8	725.5	727.6	724.4	721.2	719.0	712.5	703.9	695.3
7.5°	733.0	735.2	736.2	735.2	739.5	736.2	736.2	736.2	731.9	727.6	719.0
10°	750.3	747.0	743.8	736.2	731.9	728.7	728.7	729.8	731.9	729.8	724.4
12.5°	874.2	862.4	857.0	838.6	824.6	800.9	774.0	753.5	735.2	728.7	724.4
15°	969.1	966.9	956.1	938.9	921.7	893.6	862.4	831.1	797.7	763.2	738.4
17.5°	1025.1	1020.8	1010.0	991.7	971.2	945.4	920.6	896.9	864.5	825.7	785.8
20°	1076.9	1067.2	1053.2	1031.6	1011.1	986.3	959.4	936.7	909.8	879.6	833.3
22.5°	1123.2	1114.6	1092.0	1062.9	1042.4	1018.7	995.0	973.4	948.6	914.1	872.1
25°	1176.0	1156.6	1120.0	1082.3	1057.5	1038.1	1020.8	1003.6	977.7	940.0	890.4
27.5°	1201.9	1175.0	1135.1	1097.4	1073.6	1053.2	1034.8	1017.6	988.5	942.1	885.0
30°	1183.6	1168.5	1140.5	1111.4	1092.0	1072.6	1051.0	1025.1	978.8	924.9	872.1
32.5°	1162.0	1154.5	1141.6	1124.3	1112.5	1093.0	1062.9	1020.8	956.1	903.3	846.2
35°	1138.3	1135.1	1130.8	1123.2	1115.7	1097.4	1059.6	998.2	933.5	873.1	818.2
37.5°	1113.5	1110.3	1113.5	1112.5	1106.0	1082.3	1025.1	968.0	901.2	839.7	733.0
40°	1083.3	1081.2	1086.6	1092.0	1084.4	1053.2	991.7	922.7	863.4	742.7	706.1
42.5°	1047.8	1046.7	1056.4	1060.7	1049.9	1003.6	931.4	880.7	755.6	716.8	630.6
45°	984.2	986.3	990.6	996.0	989.6	938.9	873.1	780.4	725.5	629.5	359.0
47.5°	770.7	772.9	794.5	839.7	871.0	853.7	797.7	728.7	648.9	360.0	113.2
50°	665.1	662.9	664.0	674.8	699.6	723.3	706.1	668.3	387.0	105.6	14.0
52.5°	292.1	324.5	359.0	456.0	518.5	584.3	597.2	418.2	126.1	14.0	14.0
55°	47.4	49.6	62.5	91.6	164.9	249.0	301.8	140.1	12.9	12.9	12.9
57.5°	9.7	9.7	9.7	10.8	16.2	34.5	39.9	11.9	11.9	11.9	12.9
60°	8.6	8.6	8.6	8.6	9.7	9.7	9.7	10.8	10.8	11.9	11.9
62.5°	8.6	8.6	8.6	8.6	8.6	8.6	9.7	9.7	10.8	10.8	11.9
65°	7.5	7.5	7.5	7.5	8.6	8.6	8.6	8.6	9.7	9.7	10.8
67.5°	6.5	6.5	6.5	6.5	7.5	7.5	7.5	8.6	8.6	8.6	9.7
70°	5.4	5.4	5.4	5.4	6.5	6.5	6.5	6.5	7.5	7.5	7.5
72.5°	4.3	4.3	4.3	4.3	5.4	5.4	5.4	5.4	6.5	6.5	6.5
75°	3.2	3.2	4.3	4.3	4.3	4.3	4.3	4.3	5.4	5.4	5.4
77.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	4.3	4.3	4.3	4.3
80°	2.2	2.2	2.2	2.2	2.2	2.2	3.2	3.2	3.2	3.2	3.2
82.5°	1.1	1.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2	2.2	2.2
87.5°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
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°	500.2	500.2	500.2	500.2	500.2	500.2	500.2	500.2
2.5°	604.7	589.6	569.2	502.3	440.9	384.8	356.8	353.6
5°	681.3	667.3	632.8	500.2	382.7	298.6	247.9	233.9
7.5°	710.4	698.5	668.3	495.9	327.7	214.5	157.4	135.8
10°	717.9	710.4	684.5	488.3	270.6	141.2	74.4	57.1
12.5°	721.2	715.8	691.0	476.5	213.4	73.3	50.7	50.7
15°	726.5	721.2	697.4	461.4	157.4	49.6	48.5	48.5
17.5°	750.3	733.0	706.1	438.7	103.5	47.4	47.4	47.4
20°	789.1	751.3	710.4	408.5	64.7	46.4	46.4	47.4
22.5°	821.4	770.7	709.3	363.3	47.4	44.2	45.3	46.4
25°	835.4	779.4	699.6	309.4	41.0	43.1	45.3	45.3
27.5°	833.3	782.6	691.0	247.9	38.8	42.0	44.2	46.4
30°	821.4	774.0	671.6	183.3	36.7	41.0	44.2	46.4
32.5°	800.9	740.6	632.8	118.6	35.6	41.0	44.2	46.4
35°	734.1	686.7	576.7	57.1	34.5	39.9	45.3	46.4
37.5°	695.3	629.5	439.8	28.0	33.4	39.9	45.3	46.4
40°	632.8	470.0	198.3	25.9	33.4	39.9	45.3	47.4
42.5°	397.8	193.0	32.3	24.8	32.3	39.9	45.3	47.4
45°	145.5	25.9	17.2	24.8	32.3	38.8	45.3	47.4
47.5°	15.1	15.1	16.2	23.7	31.3	38.8	45.3	47.4
50°	14.0	15.1	16.2	22.6	30.2	38.8	44.2	47.4
52.5°	14.0	15.1	16.2	22.6	29.1	37.7	44.2	47.4
55°	14.0	15.1	15.1	21.6	28.0	36.7	43.1	45.3
57.5°	12.9	14.0	15.1	20.5	26.9	34.5	42.0	44.2
60°	12.9	14.0	15.1	18.3	25.9	32.3	39.9	41.0
62.5°	11.9	12.9	14.0	17.2	23.7	30.2	36.7	38.8
65°	11.9	11.9	12.9	15.1	21.6	26.9	33.4	35.6
67.5°	9.7	10.8	10.8	12.9	18.3	23.7	30.2	32.3
70°	8.6	8.6	9.7	11.9	16.2	20.5	25.9	28.0
72.5°	7.5	7.5	7.5	9.7	14.0	18.3	22.6	24.8
75°	6.5	6.5	6.5	7.5	11.9	15.1	19.4	20.5
77.5°	5.4	5.4	5.4	6.5	9.7	12.9	15.1	17.2
80°	4.3	4.3	4.3	5.4	7.5	9.7	11.9	12.9
82.5°	3.2	3.2	3.2	4.3	5.4	6.5	8.6	8.6
85°	2.2	2.2	2.2	3.2	3.2	4.3	5.4	5.4
87.5°	1.1	1.1	1.1	2.2	2.2	2.2	2.2	2.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)