

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: P1310375

Luminaire Tested: LDSQA3D13R359035DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310375  
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: LDSQA3D13R359035DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

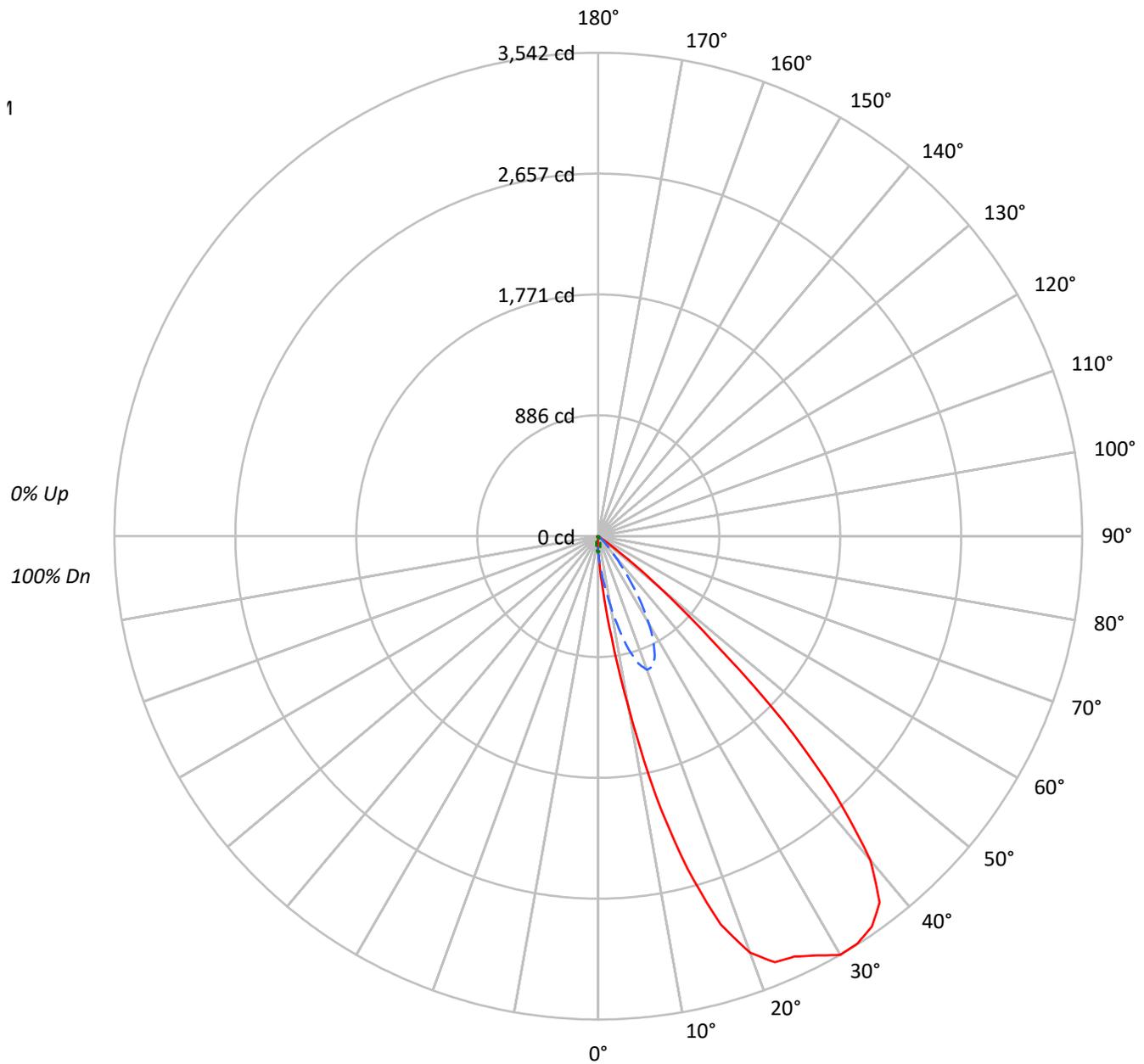
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1114.0 lumens  
Efficiency: N/A  
Efficacy: 76.3 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): 14.6  
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				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	50	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°	20150	20150	20150	20150	20150
5°	68634	44603	18844	7953	5878
10°	220873	90413	14865	2973	1924
15°	450024	153336	10520	1070	713
20°	595096	190973	6781	367	367
25°	645711	185656	3801	190	380
30°	704382	147956	1591	199	398
35°	733965	92087	420	210	420
40°	696494	40243	225	450	674
45°	464955	16075	244	731	1218
50°	155936	2679	536	1072	1608
55°	8708	300	601	1501	2102
60°	689	344	1033	1722	2411
65°	815	408	1223	2038	2853
70°	504	504	1511	2518	3021
75°	665	665	1996	2662	3327
80°	0	992	2975	2975	2975
85°	0	1976	5928	1976	3952

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 464955 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.3	1.8
10°-20°	160.0	14.4
20°-30°	337.7	30.3
30°-40°	383.1	34.4
40°-50°	188.6	16.9
50°-60°	16.3	1.5
60°-70°	3.3	0.3
70°-80°	3.1	0.3
80°-90°	1.5	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°	518.0	46.5
0°-40°	901.1	80.9
0°-60°	1106.1	99.3
0°-90°	1114.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1114.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	117	117	117	117	117	
5°	397	258	109	46	34	65
15°	2524	860	59	6	4	718
25°	3398	977	20	1	2	1581
35°	3491	438	2	1	2	2152
45°	1909	66	1	3	5	1410
55°	29	1	2	5	7	114
65°	2	1	3	5	7	2
75°	1	1	3	4	5	1
85°	0	1	3	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°	117	117	117	117	117	117	117	117	117	117	117
2.5°	203	208	206	205	204	200	191	190	181	175	145
5°	397	389	391	380	366	346	333	305	282	258	169
7.5°	748	737	716	684	651	608	543	491	431	374	188
10°	1263	1257	1230	1148	1076	961	853	739	627	517	201
12.5°	1951	1910	1861	1752	1610	1466	1253	1056	877	693	202
15°	2524	2498	2429	2287	2116	1908	1655	1390	1120	860	192
17.5°	2985	2945	2856	2717	2520	2250	1954	1631	1302	979	175
20°	3247	3226	3158	3019	2804	2509	2172	1796	1416	1042	153
22.5°	3379	3364	3314	3203	3002	2705	2319	1882	1449	1035	130
25°	3398	3394	3351	3267	3099	2805	2383	1898	1422	977	108
27.5°	3464	3450	3399	3315	3146	2822	2361	1843	1335	875	90
30°	3542	3532	3481	3394	3194	2806	2283	1721	1196	744	67
32.5°	3536	3532	3489	3397	3160	2712	2144	1538	1007	587	42
35°	3491	3477	3423	3281	2966	2470	1880	1290	797	438	27
37.5°	3383	3353	3262	3021	2619	2097	1531	996	564	293	17
40°	3098	3060	2877	2586	2165	1652	1139	685	372	179	7
42.5°	2570	2493	2310	2011	1616	1168	748	444	219	108	2
45°	1909	1850	1658	1387	1059	749	453	240	121	66	1
47.5°	1112	1076	977	799	585	393	232	129	71	32	1
50°	582	537	462	350	258	181	113	69	35	10	1
52.5°	204	201	183	138	112	81	55	30	10	2	1
55°	29	29	27	30	32	29	19	8	2	1	1
57.5°	2	2	2	3	4	4	3	1	1	1	2
60°	2	2	1	1	1	1	1	1	1	1	2
62.5°	2	2	1	1	1	1	1	1	1	1	2
65°	2	1	1	1	1	1	1	1	1	1	2
67.5°	1	1	1	1	1	1	1	1	1	1	2
70°	1	1	1	1	1	1	1	1	1	1	3
72.5°	1	1	1	1	1	1	1	1	1	1	3
75°	1	1	1	1	1	1	1	1	1	1	3
77.5°	0	1	1	1	1	1	1	1	1	1	3
80°	0	0	0	0	0	0	1	1	1	1	2
82.5°	0	0	0	0	0	0	1	1	1	1	2
85°	0	0	0	0	0	0	0	1	1	1	2
87.5°	0	0	0	0	0	0	0	0	1	1	2
90°	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°	117	117	117	117	117
2.5°	116	93	74	65	62
5°	109	70	46	36	34
7.5°	97	50	28	20	19
10°	85	36	17	12	11
12.5°	71	25	11	7	6
15°	59	17	6	5	4
17.5°	47	11	4	3	4
20°	37	7	2	2	2
22.5°	28	4	2	2	2
25°	20	2	1	1	2
27.5°	14	1	1	1	2
30°	8	1	1	1	2
32.5°	4	1	1	2	2
35°	2	1	1	2	2
37.5°	1	1	1	2	3
40°	1	1	2	3	3
42.5°	1	1	2	3	4
45°	1	2	3	4	5
47.5°	2	2	4	5	6
50°	2	3	4	6	6
52.5°	2	3	5	6	7
55°	2	4	5	7	7
57.5°	3	4	5	7	7
60°	3	4	5	7	7
62.5°	3	4	5	7	7
65°	3	4	5	7	7
67.5°	3	4	5	6	7
70°	3	4	5	6	6
72.5°	4	4	5	6	6
75°	3	4	4	5	5
77.5°	3	3	3	4	4
80°	3	3	3	3	3
82.5°	3	2	2	3	3
85°	3	2	1	2	2
87.5°	2	2	1	1	1
90°	0	0	0	0	0

(END OF REPORT)