

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: P1315692

Luminaire Tested: LDSQA3D13R659735DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315692  
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: LDSQA3D13R659735DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R65 optic, 3500K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

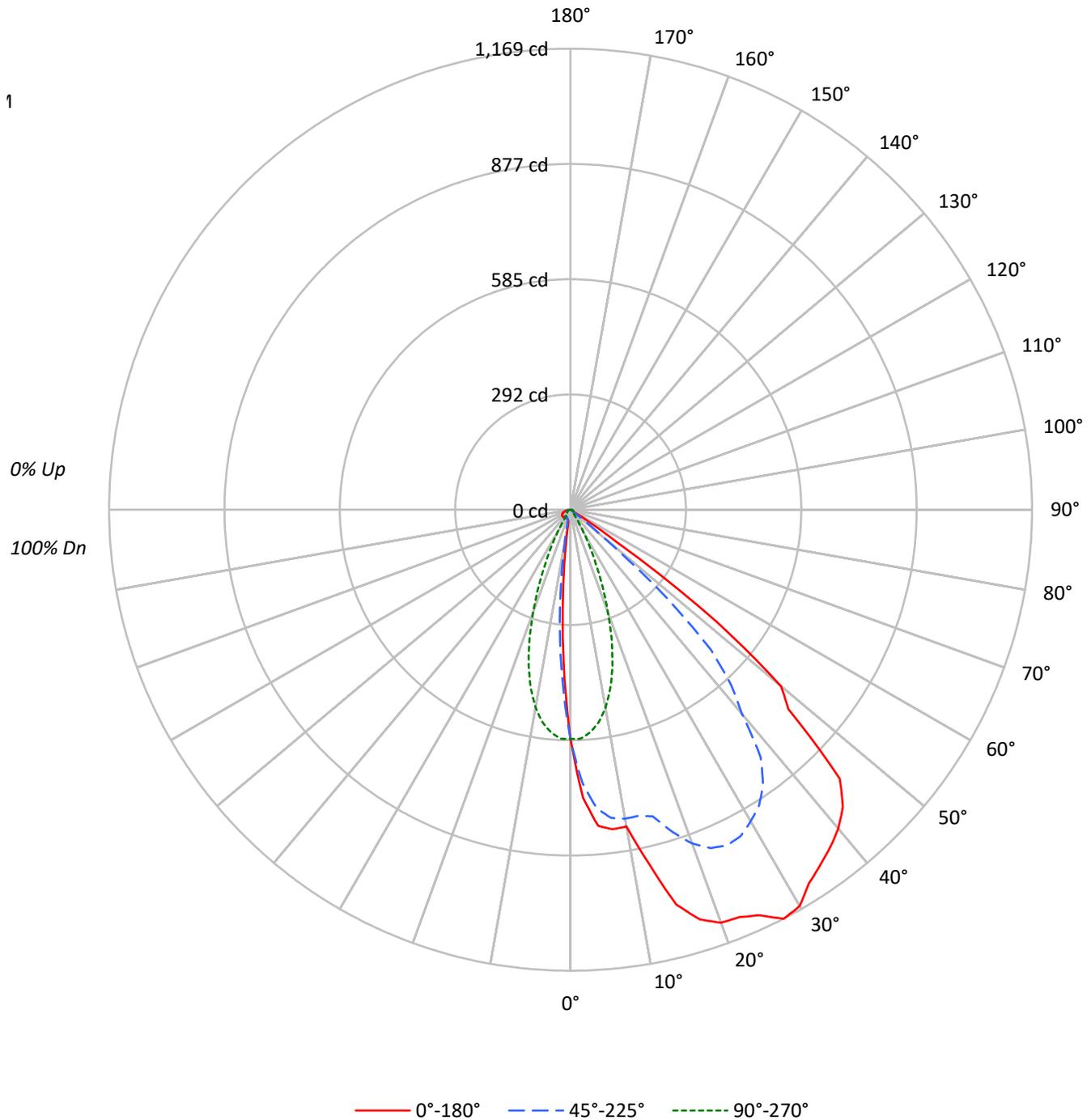
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 870.9 lumens  
Efficiency: N/A  
Efficacy: 59.7 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): 14.6  
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	103	110	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°	100079	100079	100079	100079	100079
5°	139117	131285	97954	53835	37861
10°	142614	139134	89119	15040	5544
15°	184788	143476	72942	4850	4671
20°	204206	165058	50767	4307	4472
25°	215509	178359	28732	4124	4466
30°	230764	181445	12966	4136	4673
35°	231606	178687	4184	4373	5130
40°	237276	151799	2855	4676	5688
45°	235011	122364	2874	5066	6162
50°	186507	28856	2920	5573	7020
55°	44288	1621	3003	6245	7867
60°	1550	1860	3444	6544	8404
65°	1834	1834	3301	7009	9210
70°	1360	1813	3172	6848	9567
75°	1198	1797	2994	7253	9649
80°	893	1785	3570	7141	9918
85°	1778	3557	3557	7114	8892

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 10°  
 Vertical Angle: 45°  
 Luminance: 235449 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.5	5.6
10°-20°	127.7	14.7
20°-30°	200.6	23.0
30°-40°	229.5	26.4
40°-50°	184.5	21.2
50°-60°	60.0	6.9
60°-70°	10.6	1.2
70°-80°	7.0	0.8
80°-90°	2.5	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°	376.8	43.3
0°-40°	606.3	69.6
0°-60°	850.8	97.7
0°-90°	870.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	870.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	581	581	581	581	581	
5°	805	759	567	311	219	76
15°	1036	805	409	27	26	289
25°	1134	939	151	22	24	528
35°	1102	850	20	21	24	692
45°	965	502	12	21	25	694
55°	148	5	10	21	26	211
65°	4	4	8	17	23	4
75°	2	3	4	11	14	2
85°	1	2	2	4	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°	581.1	581.1	581.1	581.1	581.1	581.1	581.1	581.1	581.1	581.1	581.1
2.5°	731.4	728.6	732.3	725.9	725.0	718.7	715.1	713.3	705.1	694.2	684.3
5°	804.7	793.8	796.5	795.6	791.1	788.4	784.8	780.2	769.4	759.4	746.7
7.5°	817.3	808.3	810.1	811.0	808.3	807.4	806.5	804.7	797.4	788.4	777.5
10°	815.5	806.5	805.6	802.9	800.1	801.1	801.1	801.1	799.2	795.6	792.0
12.5°	920.5	907.9	905.1	886.1	868.9	839.1	820.1	802.0	793.8	794.7	792.0
15°	1036.4	1035.5	1026.4	1008.3	979.4	952.2	908.8	876.2	834.5	804.7	792.0
17.5°	1088.9	1088.0	1079.8	1064.5	1043.6	1018.3	986.6	948.6	902.4	856.3	818.3
20°	1114.2	1120.6	1111.5	1098.8	1078.9	1055.4	1025.5	991.1	947.7	900.6	855.4
22.5°	1117.9	1126.0	1117.9	1108.8	1094.3	1078.9	1053.6	1018.3	973.9	928.7	884.3
25°	1134.1	1136.9	1119.7	1107.9	1094.3	1083.5	1063.5	1032.8	987.5	938.6	895.2
27.5°	1169.4	1157.7	1121.5	1105.2	1092.5	1082.6	1063.5	1031.9	983.0	933.2	887.9
30°	1160.4	1155.9	1124.2	1108.8	1097.9	1088.0	1064.5	1023.7	964.9	912.4	865.3
32.5°	1123.3	1132.3	1121.5	1116.0	1110.6	1097.9	1063.5	1008.3	942.3	888.9	825.5
35°	1101.6	1112.4	1113.3	1113.3	1107.0	1088.0	1047.3	985.7	919.6	849.9	764.8
37.5°	1079.8	1088.9	1094.3	1097.9	1088.9	1061.7	1010.1	954.9	882.5	791.1	641.7
40°	1055.4	1061.7	1066.3	1068.1	1054.5	1019.2	972.1	909.7	828.2	675.2	573.0
42.5°	1021.0	1024.6	1023.7	1022.8	1008.3	969.4	925.1	859.9	698.8	601.9	477.9
45°	964.9	961.3	966.7	966.7	947.7	918.7	859.9	733.2	625.5	502.4	307.7
47.5°	747.7	750.4	776.6	819.2	845.4	837.3	757.6	641.7	525.9	329.5	102.3
50°	696.1	693.3	694.2	698.8	701.5	678.9	621.8	542.2	347.6	107.7	7.2
52.5°	467.1	469.8	490.6	538.6	553.9	537.7	483.3	362.1	126.7	7.2	6.3
55°	147.5	157.5	169.3	194.6	239.0	267.0	261.6	128.5	8.1	5.4	6.3
57.5°	5.4	5.4	7.2	12.7	24.4	39.8	41.6	8.1	6.3	6.3	6.3
60°	4.5	4.5	4.5	4.5	4.5	4.5	5.4	5.4	5.4	5.4	5.4
62.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	5.4	5.4	5.4	5.4
65°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	5.4
67.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	4.5	4.5	4.5	4.5
70°	2.7	2.7	2.7	3.6	3.6	3.6	3.6	3.6	3.6	3.6	4.5
72.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	3.6	3.6	3.6
75°	1.8	1.8	1.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7	2.7	2.7
80°	0.9	0.9	0.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8	1.8
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8
87.5°	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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°	581.1	581.1	581.1	581.1	581.1	581.1	581.1	581.1
2.5°	678.9	668.0	646.3	581.1	513.2	445.3	402.8	391.9
5°	732.3	719.6	688.8	566.6	429.0	311.4	244.4	219.0
7.5°	764.8	749.5	713.3	544.0	334.0	181.0	108.6	86.9
10°	779.3	765.8	725.0	509.6	241.7	86.0	38.0	31.7
12.5°	785.7	774.8	729.5	464.3	157.5	38.0	28.1	27.2
15°	788.4	776.6	727.7	409.1	89.6	27.2	26.2	26.2
17.5°	791.1	777.5	716.9	345.8	49.8	25.3	24.4	25.3
20°	812.8	773.9	697.9	277.0	32.6	23.5	23.5	24.4
22.5°	834.5	773.0	664.4	211.8	25.3	22.6	23.5	23.5
25°	841.8	763.9	621.8	151.2	21.7	21.7	22.6	23.5
27.5°	828.2	737.7	564.8	102.3	19.0	21.7	22.6	23.5
30°	796.5	693.3	496.0	65.2	18.1	20.8	22.6	23.5
32.5°	737.7	605.5	419.1	38.9	17.2	20.8	23.5	23.5
35°	620.0	507.8	332.2	19.9	17.2	20.8	23.5	24.4
37.5°	542.2	423.6	231.7	13.6	17.2	20.8	23.5	24.4
40°	449.9	305.9	96.9	12.7	17.2	20.8	23.5	25.3
42.5°	311.4	133.1	15.4	11.8	16.3	20.8	24.4	25.3
45°	112.2	17.2	7.2	11.8	16.3	20.8	24.4	25.3
47.5°	10.0	6.3	7.2	11.8	16.3	20.8	24.4	26.2
50°	6.3	6.3	6.3	10.9	16.3	20.8	24.4	26.2
52.5°	6.3	6.3	6.3	10.9	15.4	20.8	25.3	26.2
55°	6.3	6.3	6.3	10.0	15.4	20.8	24.4	26.2
57.5°	6.3	6.3	7.2	10.0	15.4	19.9	24.4	25.3
60°	6.3	6.3	6.3	10.0	14.5	19.0	23.5	24.4
62.5°	5.4	6.3	6.3	9.1	13.6	18.1	22.6	23.5
65°	5.4	5.4	6.3	8.1	12.7	17.2	20.8	22.6
67.5°	4.5	5.4	5.4	7.2	10.9	15.4	19.0	20.8
70°	4.5	4.5	4.5	6.3	10.0	13.6	18.1	19.0
72.5°	3.6	4.5	4.5	5.4	8.1	11.8	15.4	17.2
75°	3.6	3.6	3.6	4.5	7.2	10.9	13.6	14.5
77.5°	2.7	2.7	3.6	3.6	6.3	8.1	11.8	12.7
80°	2.7	2.7	2.7	3.6	4.5	7.2	9.1	10.0
82.5°	1.8	1.8	1.8	2.7	3.6	4.5	6.3	7.2
85°	1.8	1.8	1.8	1.8	2.7	3.6	4.5	4.5
87.5°	0.9	0.9	0.9	1.8	1.8	1.8	1.8	1.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)