

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: P1308442

Luminaire Tested: LDSQA3D20R359027D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308442  
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: LDSQA3D20R359027D010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

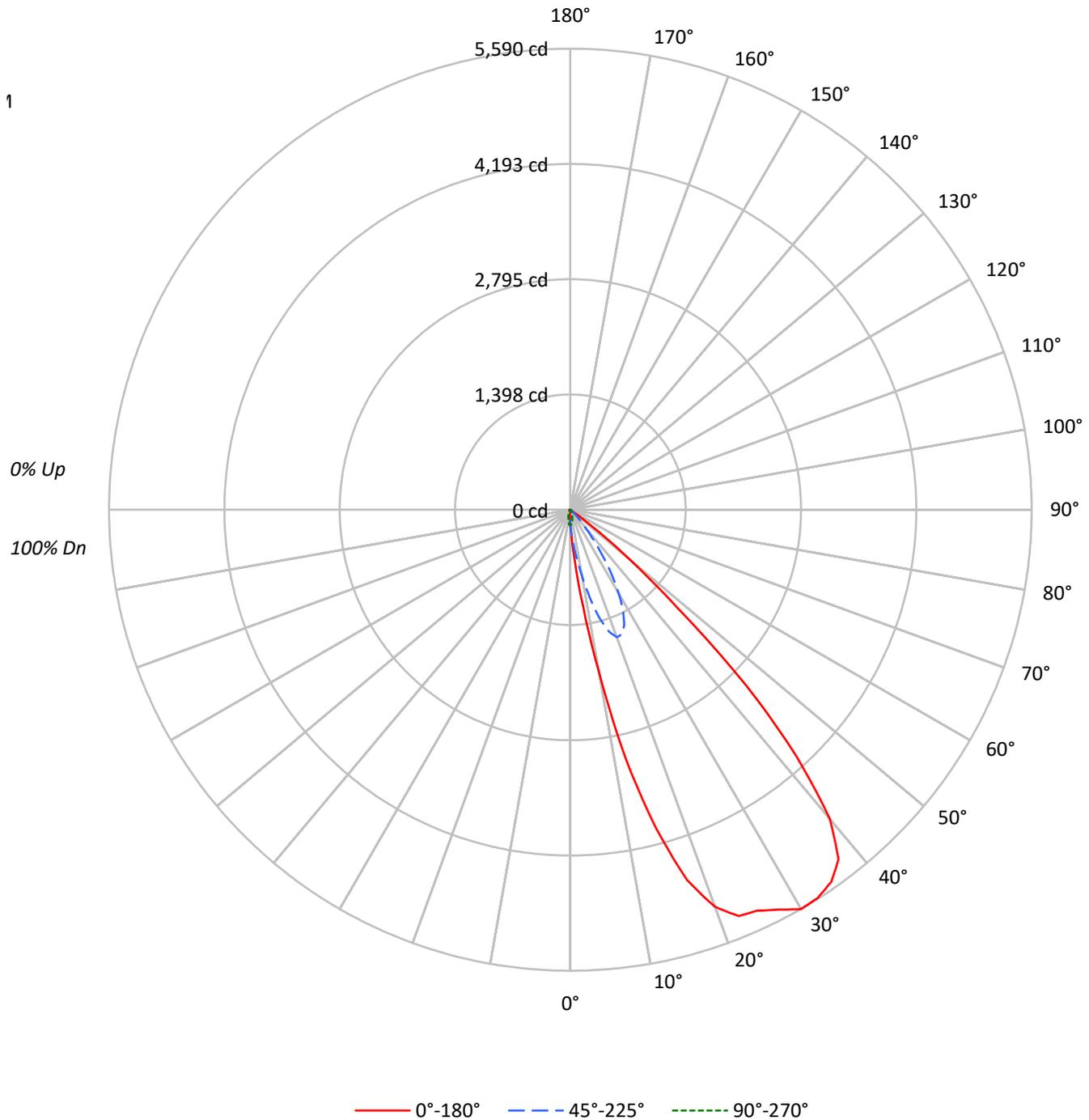
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1758.0 lumens  
Efficiency: N/A  
Efficacy: 61.0 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	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°	31792	31792	31792	31792	31792
5°	108310	70380	29735	12551	9284
10°	348552	142684	23451	4687	3043
15°	710179	241986	16600	1694	1123
20°	939122	301378	10703	586	586
25°	1018999	292983	6005	304	608
30°	1111579	233488	2506	318	636
35°	1158261	145321	673	336	673
40°	1099126	63512	360	719	1057
45°	733748	25379	390	1145	1924
50°	246068	4233	857	1688	2545
55°	13752	480	961	2372	3303
60°	1102	551	1619	2721	3789
65°	1304	652	1915	3219	4483
70°	806	806	2367	3978	4784
75°	1065	1065	3127	4192	5257
80°	0	1587	4661	4661	4661
85°	0	3162	9287	3162	6323

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 733748 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.1	1.8
10°-20°	252.5	14.4
20°-30°	532.9	30.3
30°-40°	604.6	34.4
40°-50°	297.6	16.9
50°-60°	25.8	1.5
60°-70°	5.3	0.3
70°-80°	4.9	0.3
80°-90°	2.4	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°	817.5	46.5
0°-40°	1422.1	80.9
0°-60°	1745.5	99.3
0°-90°	1758.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1758.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	185	185	185	185	185	
5°	626	407	172	73	54	103
15°	3983	1357	93	10	6	1132
25°	5362	1542	32	2	3	2495
35°	5509	691	3	2	3	3395
45°	3013	104	2	5	8	2226
55°	46	2	3	8	11	180
65°	3	2	5	8	11	3
75°	2	2	5	6	8	1
85°	0	2	5	2	3	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°	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6
2.5°	320.4	328.2	325.1	323.5	321.9	315.6	301.4	299.8	285.6	276.2	228.8
5°	626.5	613.9	617.0	599.7	577.6	546.0	525.5	481.3	445.0	407.1	266.7
7.5°	1180.4	1163.1	1129.9	1079.4	1027.3	959.5	856.9	774.8	680.2	590.2	296.7
10°	1993.1	1983.7	1941.1	1811.6	1698.0	1516.5	1346.1	1166.2	989.5	815.9	317.2
12.5°	3078.9	3014.2	2936.8	2764.8	2540.7	2313.5	1977.3	1666.5	1384.0	1093.6	318.8
15°	3983.1	3942.1	3833.2	3609.1	3339.2	3011.0	2611.7	2193.5	1767.5	1357.2	303.0
17.5°	4710.6	4647.5	4507.0	4287.7	3976.8	3550.7	3083.6	2573.9	2054.7	1545.0	276.2
20°	5124.1	5090.9	4983.6	4764.3	4425.0	3959.4	3427.6	2834.3	2234.6	1644.4	241.4
22.5°	5332.4	5308.7	5229.8	5054.6	4737.4	4268.7	3659.6	2970.0	2286.7	1633.3	205.2
25°	5362.4	5356.0	5288.2	5155.6	4890.5	4426.5	3760.6	2995.2	2244.0	1541.8	170.4
27.5°	5466.5	5444.4	5363.9	5231.4	4964.7	4453.4	3725.9	2908.4	2106.8	1380.8	142.0
30°	5589.6	5573.8	5493.3	5356.0	5040.4	4428.1	3602.8	2715.9	1887.4	1174.1	105.7
32.5°	5580.1	5573.8	5506.0	5360.8	4986.8	4279.8	3383.4	2427.1	1589.1	926.3	66.3
35°	5509.1	5487.0	5401.8	5177.7	4680.6	3897.9	2966.8	2035.7	1257.7	691.2	42.6
37.5°	5338.7	5291.3	5147.7	4767.4	4133.0	3309.3	2416.1	1571.8	890.0	462.4	26.8
40°	4888.9	4829.0	4540.2	4080.9	3416.6	2607.0	1797.4	1081.0	587.0	282.5	11.0
42.5°	4055.7	3934.2	3645.4	3173.5	2550.2	1843.2	1180.4	700.7	345.6	170.4	3.2
45°	3012.6	2919.5	2616.5	2188.8	1671.2	1182.0	714.9	378.7	190.9	104.2	1.6
47.5°	1754.8	1698.0	1541.8	1260.9	923.2	620.2	366.1	203.6	112.0	50.5	1.6
50°	918.4	847.4	729.1	552.3	407.1	285.6	178.3	108.9	55.2	15.8	1.6
52.5°	321.9	317.2	288.8	217.8	176.7	127.8	86.8	47.3	15.8	3.2	1.6
55°	45.8	45.8	42.6	47.3	50.5	45.8	30.0	12.6	3.2	1.6	1.6
57.5°	3.2	3.2	3.2	4.7	6.3	6.3	4.7	1.6	1.6	1.6	3.2
60°	3.2	3.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2
62.5°	3.2	3.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2
65°	3.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2
67.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.2
70°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.7
72.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.7
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.7
77.5°	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	4.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	3.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	3.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	3.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	3.2
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°	184.6	184.6	184.6	184.6	184.6
2.5°	183.1	146.8	116.8	102.6	97.8
5°	172.0	110.5	72.6	56.8	53.7
7.5°	153.1	78.9	44.2	31.6	30.0
10°	134.1	56.8	26.8	18.9	17.4
12.5°	112.0	39.5	17.4	11.0	9.5
15°	93.1	26.8	9.5	7.9	6.3
17.5°	74.2	17.4	6.3	4.7	6.3
20°	58.4	11.0	3.2	3.2	3.2
22.5°	44.2	6.3	3.2	3.2	3.2
25°	31.6	3.2	1.6	1.6	3.2
27.5°	22.1	1.6	1.6	1.6	3.2
30°	12.6	1.6	1.6	1.6	3.2
32.5°	6.3	1.6	1.6	3.2	3.2
35°	3.2	1.6	1.6	3.2	3.2
37.5°	1.6	1.6	1.6	3.2	4.7
40°	1.6	1.6	3.2	4.7	4.7
42.5°	1.6	1.6	3.2	4.7	6.3
45°	1.6	3.2	4.7	6.3	7.9
47.5°	3.2	3.2	6.3	7.9	9.5
50°	3.2	4.7	6.3	9.5	9.5
52.5°	3.2	4.7	7.9	9.5	11.0
55°	3.2	6.3	7.9	11.0	11.0
57.5°	4.7	6.3	7.9	11.0	11.0
60°	4.7	6.3	7.9	11.0	11.0
62.5°	4.7	6.3	7.9	11.0	11.0
65°	4.7	6.3	7.9	11.0	11.0
67.5°	4.7	6.3	7.9	9.5	11.0
70°	4.7	6.3	7.9	9.5	9.5
72.5°	6.3	6.3	7.9	9.5	9.5
75°	4.7	6.3	6.3	7.9	7.9
77.5°	4.7	4.7	4.7	6.3	6.3
80°	4.7	4.7	4.7	4.7	4.7
82.5°	4.7	3.2	3.2	4.7	4.7
85°	4.7	3.2	1.6	3.2	3.2
87.5°	3.2	3.2	1.6	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)