

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: P1308588

Luminaire Tested: LDSQA3D24R359027D010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308588  
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: LDSQA3D24R359027D010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

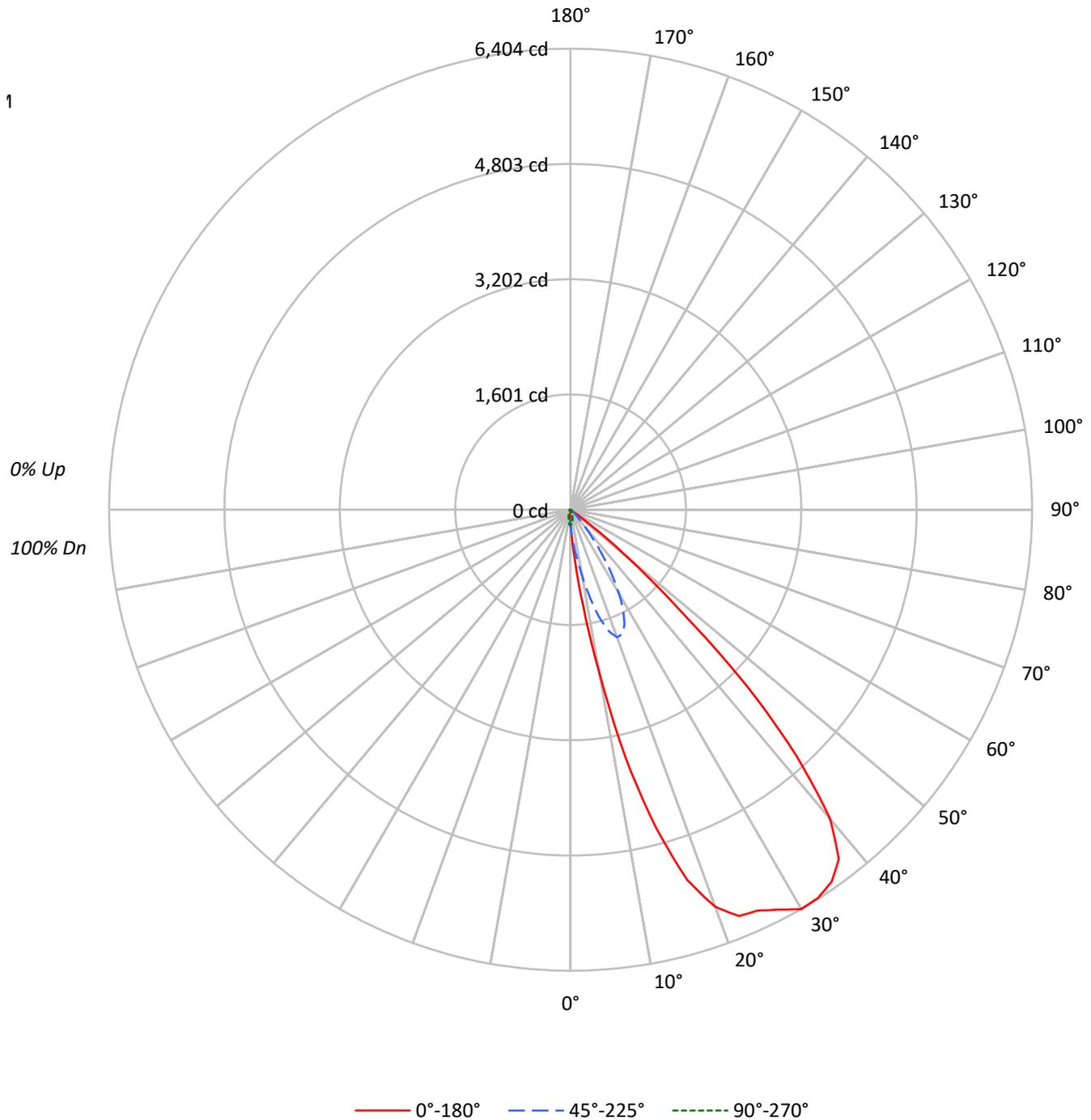
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2013.9 lumens  
Efficiency: N/A  
Efficacy: 69.9 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	100			100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91			91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83			83
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74			74
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67			67
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61			61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55			55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49			49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45			45
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41			41
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37			37

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

	0°	45°	90°	135°	180°
0°	36425	36425	36425	36425	36425
5°	124076	80631	34075	14384	10632
10°	399320	163460	26879	5369	3480
15°	813592	277218	19024	1926	1284
20°	1075864	345254	12261	660	660
25°	1167372	335644	6879	342	684
30°	1273456	267494	2884	358	716
35°	1326940	166493	757	378	757
40°	1259198	72752	405	809	1214
45°	840597	29057	438	1315	2192
50°	281917	4850	965	1929	2894
55°	15734	540	1081	2702	3813
60°	1240	620	1860	3100	4374
65°	1467	734	2201	3668	5175
70°	906	906	2719	4532	5438
75°	1198	1198	3593	4791	5989
80°	0	1785	5356	5356	5356
85°	0	3557	10671	3557	7114

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 840597 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.7	1.8
10°-20°	289.2	14.4
20°-30°	610.5	30.3
30°-40°	692.7	34.4
40°-50°	340.9	16.9
50°-60°	29.5	1.5
60°-70°	6.0	0.3
70°-80°	5.6	0.3
80°-90°	2.7	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°	936.5	46.5
0°-40°	1629.2	80.9
0°-60°	1999.6	99.3
0°-90°	2013.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2013.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	212	212	212	212	212	
5°	718	466	197	83	62	118
15°	4563	1555	107	11	7	1297
25°	6143	1766	36	2	4	2859
35°	6311	792	4	2	4	3890
45°	3451	119	2	5	9	2550
55°	52	2	4	9	13	206
65°	4	2	5	9	13	3
75°	2	2	5	7	9	1
85°	0	2	5	2	4	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°	211.5	211.5	211.5	211.5	211.5	211.5	211.5	211.5	211.5	211.5	211.5
2.5°	367.0	376.0	372.4	370.6	368.8	361.6	345.3	343.5	327.2	316.4	262.1
5°	717.7	703.3	706.9	687.0	661.7	625.5	602.0	551.4	509.8	466.4	305.5
7.5°	1352.3	1332.4	1294.5	1236.6	1176.9	1099.2	981.7	887.7	779.2	676.2	339.9
10°	2283.4	2272.5	2223.7	2075.5	1945.3	1737.4	1542.1	1336.0	1133.5	934.7	363.4
12.5°	3527.2	3453.1	3364.5	3167.4	2910.7	2650.4	2265.3	1909.1	1585.5	1252.9	365.2
15°	4563.1	4516.1	4391.4	4134.7	3825.5	3449.5	2992.1	2513.0	2024.8	1554.8	347.1
17.5°	5396.6	5324.2	5163.3	4912.0	4555.9	4067.8	3532.6	2948.7	2353.9	1769.9	316.4
20°	5870.2	5832.3	5709.3	5458.0	5069.3	4536.0	3926.7	3247.0	2560.0	1883.8	276.6
22.5°	6108.9	6081.8	5991.4	5790.7	5427.3	4890.4	4192.5	3402.5	2619.6	1871.2	235.0
25°	6143.2	6136.0	6058.2	5906.4	5602.7	5071.1	4308.2	3431.4	2570.8	1766.3	195.3
27.5°	6262.5	6237.2	6145.0	5993.2	5687.6	5101.9	4268.4	3331.9	2413.5	1581.9	162.7
30°	6403.6	6385.5	6293.3	6136.0	5774.4	5072.9	4127.4	3111.4	2162.2	1345.1	121.1
32.5°	6392.7	6385.5	6307.7	6141.4	5712.9	4903.0	3876.1	2780.5	1820.5	1061.2	75.9
35°	6311.4	6286.0	6188.4	5931.7	5362.2	4465.5	3398.8	2332.2	1440.9	791.9	48.8
37.5°	6116.1	6061.9	5897.3	5461.6	4734.9	3791.2	2767.9	1800.7	1019.7	529.7	30.7
40°	5600.9	5532.2	5201.3	4675.2	3914.1	2986.6	2059.2	1238.4	672.5	323.6	12.7
42.5°	4646.3	4507.1	4176.2	3635.7	2921.6	2111.6	1352.3	802.7	395.9	195.3	3.6
45°	3451.3	3344.6	2997.5	2507.5	1914.6	1354.1	819.0	433.9	218.8	119.3	1.8
47.5°	2010.4	1945.3	1766.3	1444.5	1057.6	710.5	419.4	233.2	128.4	57.9	1.8
50°	1052.2	970.8	835.2	632.8	466.4	327.2	204.3	124.7	63.3	18.1	1.8
52.5°	368.8	363.4	330.8	249.5	202.5	146.4	99.4	54.2	18.1	3.6	1.8
55°	52.4	52.4	48.8	54.2	57.9	52.4	34.3	14.5	3.6	1.8	1.8
57.5°	3.6	3.6	3.6	5.4	7.2	7.2	5.4	1.8	1.8	1.8	3.6
60°	3.6	3.6	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6
62.5°	3.6	3.6	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6
65°	3.6	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6
67.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6
70°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	5.4
72.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	5.4
75°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	5.4
77.5°	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	5.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	3.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	3.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	3.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	3.6
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°	211.5	211.5	211.5	211.5	211.5
2.5°	209.7	168.1	133.8	117.5	112.1
5°	197.1	126.6	83.2	65.1	61.5
7.5°	175.4	90.4	50.6	36.2	34.3
10°	153.7	65.1	30.7	21.7	19.9
12.5°	128.4	45.2	19.9	12.7	10.8
15°	106.7	30.7	10.8	9.0	7.2
17.5°	85.0	19.9	7.2	5.4	7.2
20°	66.9	12.7	3.6	3.6	3.6
22.5°	50.6	7.2	3.6	3.6	3.6
25°	36.2	3.6	1.8	1.8	3.6
27.5°	25.3	1.8	1.8	1.8	3.6
30°	14.5	1.8	1.8	1.8	3.6
32.5°	7.2	1.8	1.8	3.6	3.6
35°	3.6	1.8	1.8	3.6	3.6
37.5°	1.8	1.8	1.8	3.6	5.4
40°	1.8	1.8	3.6	5.4	5.4
42.5°	1.8	1.8	3.6	5.4	7.2
45°	1.8	3.6	5.4	7.2	9.0
47.5°	3.6	3.6	7.2	9.0	10.8
50°	3.6	5.4	7.2	10.8	10.8
52.5°	3.6	5.4	9.0	10.8	12.7
55°	3.6	7.2	9.0	12.7	12.7
57.5°	5.4	7.2	9.0	12.7	12.7
60°	5.4	7.2	9.0	12.7	12.7
62.5°	5.4	7.2	9.0	12.7	12.7
65°	5.4	7.2	9.0	12.7	12.7
67.5°	5.4	7.2	9.0	10.8	12.7
70°	5.4	7.2	9.0	10.8	10.8
72.5°	7.2	7.2	9.0	10.8	10.8
75°	5.4	7.2	7.2	9.0	9.0
77.5°	5.4	5.4	5.4	7.2	7.2
80°	5.4	5.4	5.4	5.4	5.4
82.5°	5.4	3.6	3.6	5.4	5.4
85°	5.4	3.6	1.8	3.6	3.6
87.5°	3.6	3.6	1.8	1.8	1.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)