

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: P1318951

Luminaire Tested: LDSQA3D05R359835DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

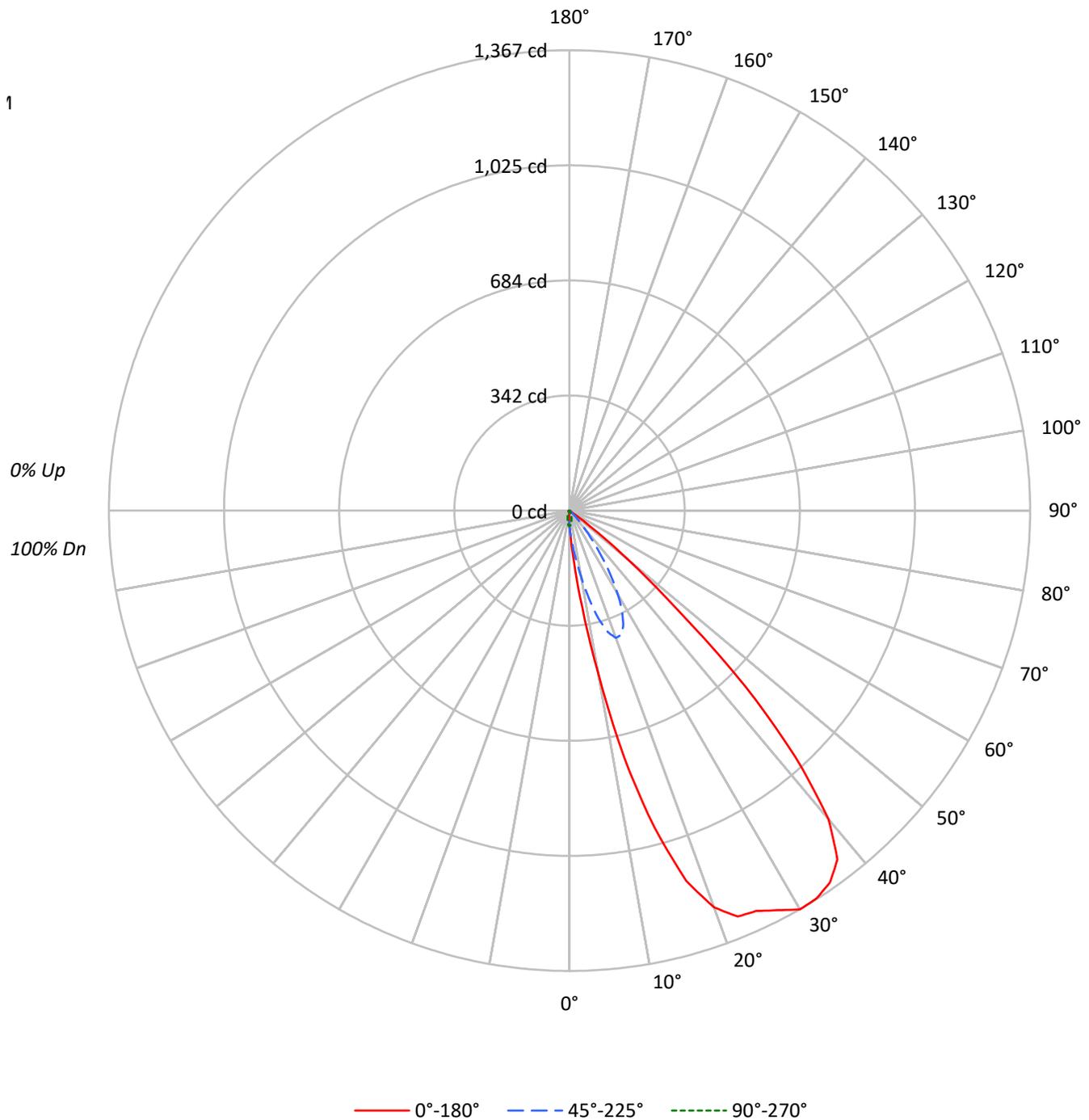
Test Method: LM-79-2019  
Report Number: P1318951  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R359835DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 430.0 lumens  
Efficiency: N/A  
Efficacy: 59.7 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): 7.2  
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

TEST NUMBER: P1318951  
CATALOG NUMBER: LDSQA3D05R359835DE010 3LSQCA30R 1MW

### 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°	7784	7784	7784	7784	7784
5°	26485	17219	7278	3077	2265
10°	85254	34906	5736	1154	734
15°	173716	59195	4065	410	267
20°	229699	73713	2621	147	147
25°	249239	71659	1463	76	152
30°	271889	57114	616	80	159
35°	283305	35552	168	84	168
40°	268841	15535	90	180	270
45°	179479	6211	97	292	463
50°	60177	1045	214	402	616
55°	3363	120	240	570	811
60°	276	138	413	654	930
65°	326	163	489	774	1100
70°	201	201	604	957	1158
75°	266	266	799	998	1264
80°	0	397	1190	1190	1190
85°	0	790	2371	790	1581

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 179479 cd/sqm



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CATALOG NUMBER: LDSQA3D05R359835DE010 3LSQCA30R 1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.8	1.8
10°-20°	61.8	14.4
20°-30°	130.4	30.3
30°-40°	147.9	34.4
40°-50°	72.8	16.9
50°-60°	6.3	1.5
60°-70°	1.3	0.3
70°-80°	1.2	0.3
80°-90°	0.6	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°	199.9	46.5
0°-40°	347.8	80.9
0°-60°	427.0	99.3
0°-90°	430.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	430.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	45	45	45	45	45	
5°	153	100	42	18	13	25
15°	974	332	23	2	2	277
25°	1312	377	8	0	1	610
35°	1348	169	1	0	1	830
45°	737	26	0	1	2	544
55°	11	0	1	2	3	44
65°	1	0	1	2	3	1
75°	0	0	1	2	2	0
85°	0	0	1	0	1	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°	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
2.5°	78.4	80.3	79.5	79.1	78.7	77.2	73.7	73.3	69.9	67.5	56.0
5°	153.2	150.2	150.9	146.7	141.3	133.6	128.5	117.7	108.9	99.6	65.2
7.5°	288.7	284.5	276.4	264.0	251.3	234.7	209.6	189.5	166.4	144.4	72.6
10°	487.5	485.2	474.8	443.1	415.3	370.9	329.3	285.3	242.0	199.6	77.6
12.5°	753.1	737.3	718.3	676.3	621.5	565.9	483.7	407.6	338.5	267.5	78.0
15°	974.3	964.2	937.6	882.8	816.8	736.5	638.8	536.5	432.3	332.0	74.1
17.5°	1152.2	1136.8	1102.4	1048.7	972.7	868.5	754.2	629.6	502.6	377.9	67.5
20°	1253.3	1245.2	1219.0	1165.3	1082.3	968.5	838.4	693.2	546.6	402.2	59.1
22.5°	1304.3	1298.5	1279.2	1236.3	1158.8	1044.1	895.1	726.4	559.3	399.5	50.2
25°	1311.6	1310.1	1293.5	1261.0	1196.2	1082.7	919.8	732.6	548.9	377.1	41.7
27.5°	1337.1	1331.7	1312.0	1279.6	1214.3	1089.3	911.3	711.4	515.3	337.7	34.7
30°	1367.2	1363.3	1343.6	1310.1	1232.9	1083.1	881.2	664.3	461.7	287.2	25.9
32.5°	1364.9	1363.3	1346.7	1311.2	1219.7	1046.8	827.6	593.7	388.7	226.6	16.2
35°	1347.5	1342.1	1321.3	1266.4	1144.9	953.4	725.7	497.9	307.6	169.1	10.4
37.5°	1305.8	1294.2	1259.1	1166.1	1010.9	809.4	591.0	384.5	217.7	113.1	6.6
40°	1195.8	1181.1	1110.5	998.2	835.7	637.7	439.6	264.4	143.6	69.1	2.7
42.5°	992.0	962.3	891.6	776.2	623.8	450.8	288.7	171.4	84.5	41.7	0.8
45°	736.9	714.1	640.0	535.4	408.8	289.1	174.9	92.6	46.7	25.5	0.4
47.5°	429.2	415.3	377.1	308.4	225.8	151.7	89.6	49.8	27.4	12.4	0.4
50°	224.6	207.3	178.3	135.1	99.6	69.9	43.6	26.6	13.5	3.9	0.4
52.5°	78.7	77.6	70.6	53.3	43.2	31.3	21.2	11.6	3.9	0.8	0.4
55°	11.2	11.2	10.4	11.6	12.4	11.2	7.3	3.1	0.8	0.4	0.4
57.5°	0.8	0.8	0.8	1.2	1.5	1.5	1.2	0.4	0.4	0.4	0.8
60°	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
62.5°	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
65°	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
67.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2
77.5°	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1318951

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**CANDELA DISTRIBUTION (continued):**

	90°	112.5°	135°	157.5°	180°
0°	45.2	45.2	45.2	45.2	45.2
2.5°	44.8	35.9	28.6	25.1	23.9
5°	42.1	27.0	17.8	13.9	13.1
7.5°	37.4	19.3	10.8	7.7	7.3
10°	32.8	13.9	6.6	4.6	4.2
12.5°	27.4	9.6	4.2	2.7	2.3
15°	22.8	6.6	2.3	1.9	1.5
17.5°	18.1	4.2	1.5	1.2	1.5
20°	14.3	2.7	0.8	0.8	0.8
22.5°	10.8	1.5	0.8	0.8	0.8
25°	7.7	0.8	0.4	0.4	0.8
27.5°	5.4	0.4	0.4	0.4	0.8
30°	3.1	0.4	0.4	0.4	0.8
32.5°	1.5	0.4	0.4	0.8	0.8
35°	0.8	0.4	0.4	0.8	0.8
37.5°	0.4	0.4	0.4	0.8	1.2
40°	0.4	0.4	0.8	1.2	1.2
42.5°	0.4	0.4	0.8	1.2	1.5
45°	0.4	0.8	1.2	1.5	1.9
47.5°	0.8	0.8	1.5	1.9	2.3
50°	0.8	1.2	1.5	2.3	2.3
52.5°	0.8	1.2	1.9	2.3	2.7
55°	0.8	1.5	1.9	2.7	2.7
57.5°	1.2	1.5	1.9	2.7	2.7
60°	1.2	1.5	1.9	2.7	2.7
62.5°	1.2	1.5	1.9	2.7	2.7
65°	1.2	1.5	1.9	2.7	2.7
67.5°	1.2	1.5	1.9	2.3	2.7
70°	1.2	1.5	1.9	2.3	2.3
72.5°	1.5	1.5	1.9	2.3	2.3
75°	1.2	1.5	1.5	1.9	1.9
77.5°	1.2	1.2	1.2	1.5	1.5
80°	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	0.8	0.8	1.2	1.2
85°	1.2	0.8	0.4	0.8	0.8
87.5°	0.8	0.8	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)