

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: P1325093

Luminaire Tested: LDSQA3D05R40W2N902765DE010 3LSQCA30R 1MMS\_2700K

Issue Date: 1/29/2026

**Test Information**

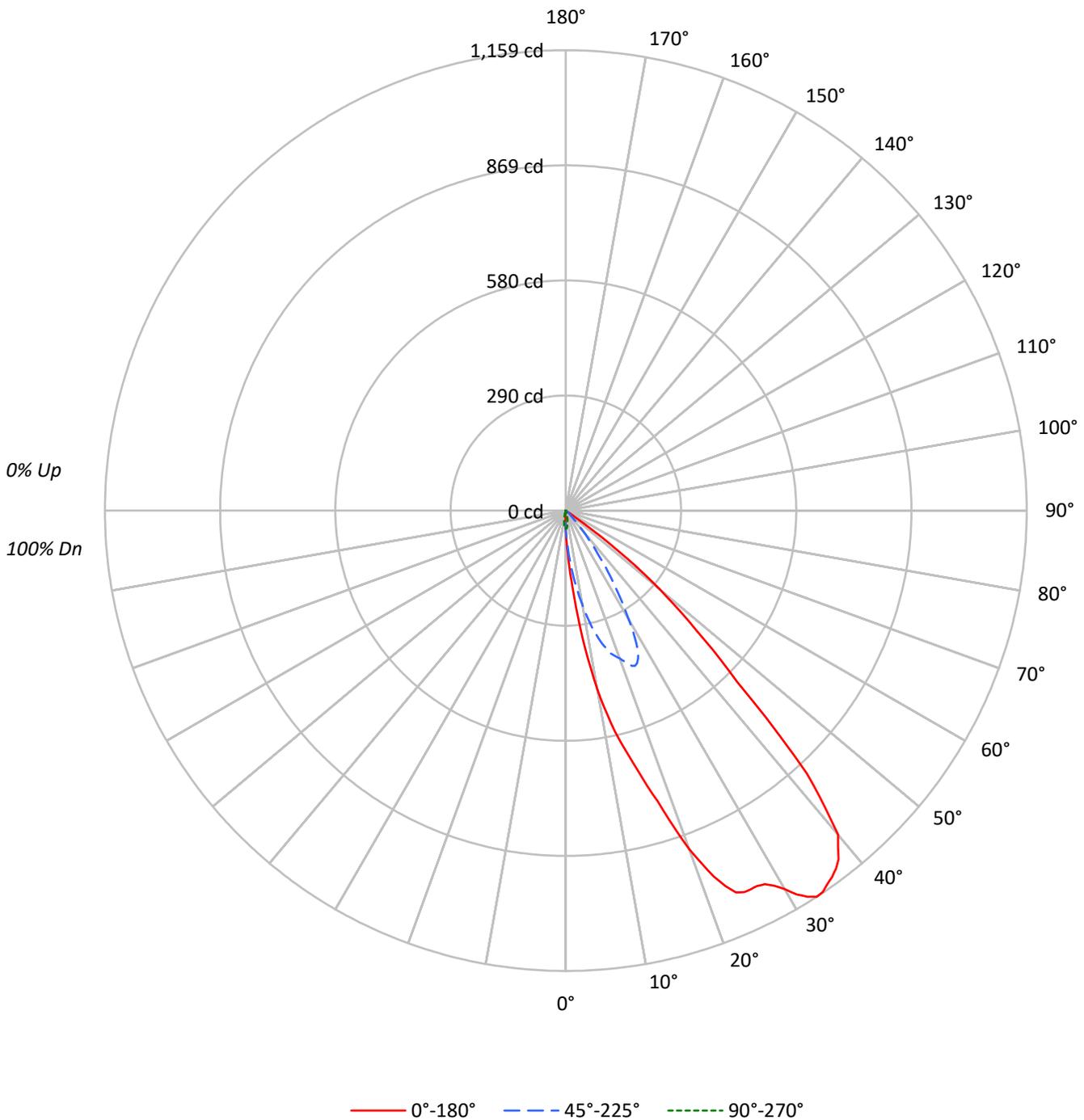
Test Method: LM-79-2019  
Report Number: P1325093  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-52)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R40W2N902765DE010 3LSQCA30R 1MMS\_2700K  
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 2700K CCT AND, 90CRI ,  
3LSQCA30R 1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 389.0 lumens  
Efficiency: N/A  
Efficacy: 65.9 lumens/watt  
Spacing Criteria (0/90/45): 2.56 / 0.36 / 1.23  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 5.9  
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			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	86	84	89	86	84	83
3	99	91	85	80	97	90	84	80	87	82	78	84	81	77	82	79	76	82	79	76	74
4	92	83	77	72	90	82	76	71	80	74	70	78	73	69	76	72	68	76	72	68	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	70	65	62	60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	64	59	56	54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	59	54	50	49
8	70	59	51	47	69	58	51	46	57	51	46	56	50	46	55	50	46	55	50	46	44
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	51	45	42	51	45	42	40
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	47	42	38	36

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

	0°	45°	90°	135°	180°
0°	7836	7836	7836	7836	7836
5°	33262	22665	6881	1245	622
10°	79937	42163	4267	122	0
15°	117659	61263	1783	0	0
20°	166304	72614	660	0	0
25°	201447	80609	0	0	0
30°	218712	63040	0	0	0
35°	241172	36898	0	0	0
40°	239367	14973	0	0	0
45°	148255	4360	0	0	0
50°	82549	107	0	0	0
55°	8077	0	0	0	0
60°	0	0	138	0	0
65°	0	0	163	0	0
70°	0	201	352	0	0
75°	0	266	466	0	0
80°	0	397	694	0	0
85°	0	790	1383	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 5°  
 Vertical Angle: 45°  
 Luminance: 148937 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.5	2.2
10°-20°	50.1	12.9
20°-30°	114.5	29.4
30°-40°	135.1	34.7
40°-50°	72.2	18.6
50°-60°	7.9	2.0
60°-70°	0.2	0.0
70°-80°	0.3	0.1
80°-90°	0.3	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°	173.1	44.5
0°-40°	308.3	79.2
0°-60°	388.3	99.8
0°-90°	389.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	389.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	46	46	46	46	46	
5°	192	131	40	7	4	27
15°	660	344	10	0	0	196
25°	1060	424	0	0	0	481
35°	1147	176	0	0	0	709
45°	609	18	0	0	0	502
55°	27	0	0	0	0	75
65°	0	0	0	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
2.5°	106.0	103.9	105.3	102.5	102.5	96.0	96.4	91.0	83.1	63.4	45.1
5°	192.4	201.0	194.2	185.2	180.2	173.7	165.2	156.2	131.1	79.2	39.8
7.5°	322.1	321.3	309.9	300.2	289.1	271.9	255.8	233.9	186.6	90.6	33.0
10°	457.1	454.6	441.7	433.5	412.3	387.6	354.7	319.6	241.1	94.6	24.4
12.5°	569.6	566.4	555.6	541.7	518.4	487.2	451.7	405.5	298.4	90.3	15.8
15°	659.9	659.2	648.8	629.8	605.4	575.0	534.9	479.3	343.6	79.2	10.0
17.5°	767.0	771.3	752.7	732.3	697.1	654.5	605.4	542.0	376.9	65.6	6.4
20°	907.4	901.3	884.2	854.4	820.7	769.5	700.0	609.4	396.2	50.9	3.6
21°	950.4	947.9	930.0	902.4	865.2	813.2	741.6	643.8	405.2	45.5	2.9
22°	994.1	989.8	975.9	949.0	913.9	855.1	776.3	679.2	416.6	39.8	1.8
23°	1026.7	1024.9	1014.2	987.7	951.5	894.5	813.9	712.2	424.5	34.4	1.1
24°	1051.8	1049.7	1038.9	1018.9	987.7	928.2	851.9	747.7	427.7	29.7	0.4
25°	1060.1	1061.1	1054.7	1038.9	1012.8	953.3	880.2	775.6	424.2	25.4	0.0
26°	1060.4	1063.6	1059.0	1050.0	1028.5	973.4	906.7	792.1	414.8	21.5	0.0
27°	1060.4	1063.6	1059.0	1052.2	1031.0	984.8	921.1	793.9	400.5	18.3	0.0
28°	1065.4	1067.2	1061.1	1052.9	1030.0	988.4	925.0	783.1	377.6	15.8	0.0
29°	1079.4	1077.6	1067.6	1056.5	1028.9	988.4	913.2	762.7	348.9	13.3	0.0
30°	1099.8	1099.8	1084.1	1066.5	1033.9	988.0	894.2	725.8	317.0	10.7	0.0
31°	1127.4	1124.9	1109.1	1083.0	1044.6	988.0	866.2	685.0	287.7	9.3	0.0
32°	1146.0	1144.6	1129.6	1098.7	1062.2	988.0	836.1	639.8	255.8	7.5	0.0
33°	1158.9	1156.1	1138.9	1107.0	1072.9	983.0	802.5	591.5	227.1	6.1	0.0
34°	1157.1	1156.4	1138.5	1105.6	1070.8	962.3	763.4	537.7	200.6	5.0	0.0
35°	1147.1	1147.1	1125.3	1091.2	1055.4	931.8	724.7	491.9	175.5	3.6	0.0
36°	1139.6	1136.7	1112.0	1074.0	1029.6	883.8	667.4	445.7	148.7	2.9	0.0
37°	1128.5	1123.1	1095.5	1054.7	993.1	831.8	607.2	404.5	125.7	1.8	0.0
38°	1114.1	1105.9	1072.2	1032.1	952.9	772.0	546.0	358.2	104.6	1.1	0.0
39°	1088.0	1081.2	1046.4	1003.1	904.9	709.0	486.5	314.9	84.5	0.4	0.0
40°	1064.7	1052.9	1013.5	963.7	848.7	637.7	427.4	272.3	66.6	0.0	0.0
42.5°	897.8	885.2	876.3	826.8	676.0	457.8	298.4	174.5	34.7	0.0	0.0
45°	608.7	611.5	583.6	550.3	446.0	298.4	186.6	97.1	17.9	0.0	0.0
47.5°	443.9	436.3	398.4	335.3	261.5	174.5	97.4	46.9	7.2	0.0	0.0
50°	308.1	293.8	259.4	212.1	142.2	83.1	43.0	21.9	0.4	0.0	0.0
52.5°	167.3	157.3	133.3	96.7	59.1	31.9	17.2	9.0	0.0	0.0	0.0
55°	26.9	18.6	19.3	16.5	12.9	9.3	5.4	1.1	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4	0.4
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	0.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	0.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.7	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.7	0.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.7	0.7
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):**

	112.5°	135°	157.5°	180°
0°	45.5	45.5	45.5	45.5
2.5°	30.5	20.8	15.8	13.6
5°	17.6	7.2	3.9	3.6
7.5°	8.6	2.5	1.4	1.4
10°	3.6	0.7	0.0	0.0
12.5°	1.1	0.0	0.0	0.0
15°	0.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.4	0.0	0.0	0.0
67.5°	0.4	0.0	0.0	0.0
70°	0.4	0.0	0.0	0.0
72.5°	0.4	0.0	0.0	0.0
75°	0.4	0.0	0.0	0.0
77.5°	0.4	0.0	0.0	0.0
80°	0.4	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	112.5°	135°	157.5°	180°
82.5°	0.4	0.0	0.0	0.0
85°	0.4	0.0	0.0	0.0
87.5°	0.4	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)