

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: P1325053

Luminaire Tested: LDSQA3D05R40W2N902750DE010 3LSQCA30R 1MW\_3000K

Issue Date: 1/29/2026

**Test Information**

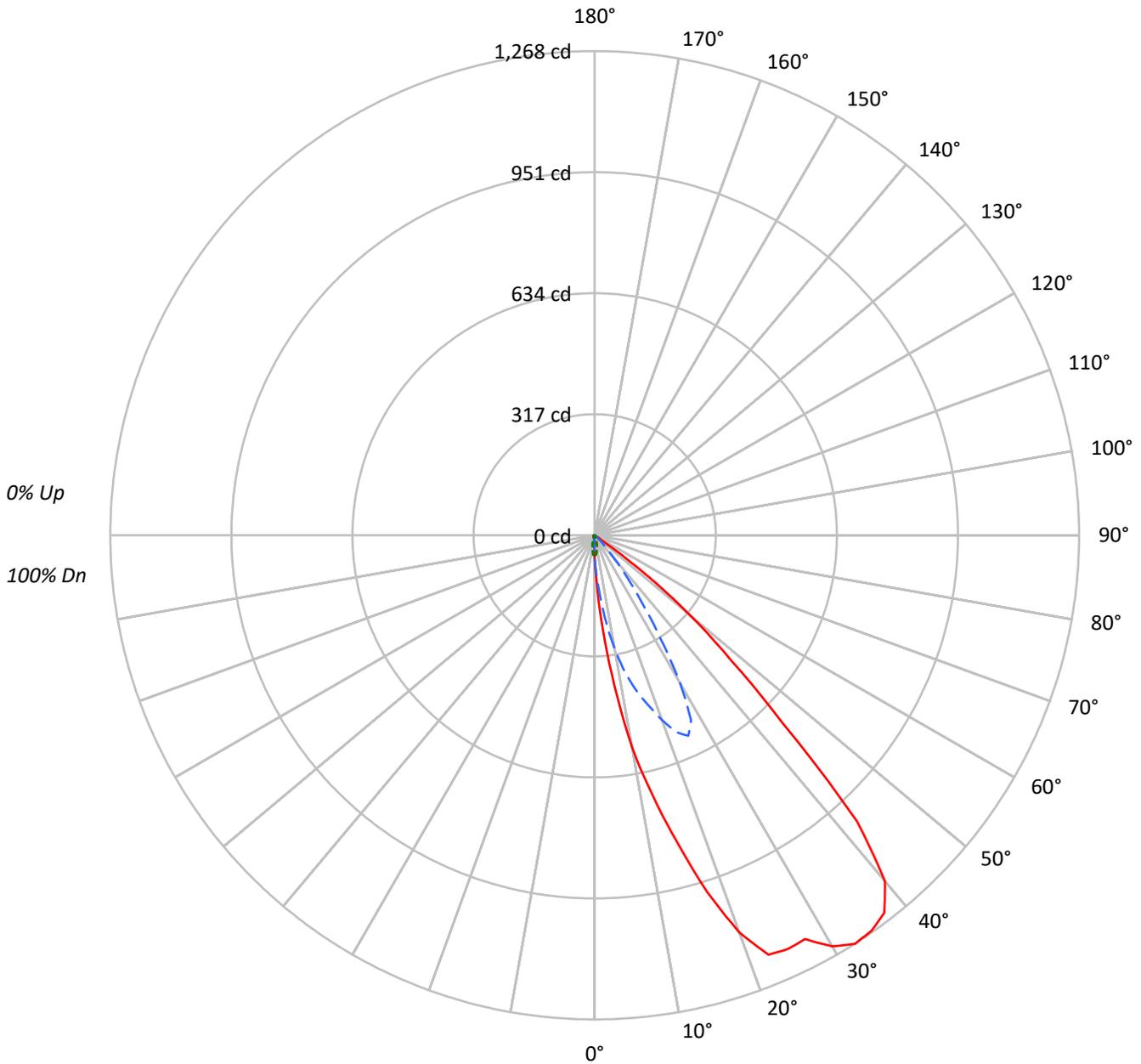
Test Method: LM-79-2019  
Report Number: P1325053  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R40W2N902750DE010 3LSQCA30R 1MW\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 468.1 lumens  
Efficiency: N/A  
Efficacy: 79.3 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 0.41 / 1.24  
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



— 0°-180°    - - 45°-225°    - - - 90°-270°



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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	100	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91	91	91	91
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82	82	82	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74	74	74	74
4	92	83	77	71	90	82	76	71	80	74	70	78	73	69	76	72	68	67	67	67	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60	60	60	60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54	54	54	54
7	75	64	57	52	74	63	56	51	62	56	51	61	55	51	59	54	51	49	49	49	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44	44	44	44
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40	40	40	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37	37	37	37

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

	0°	45°	90°	135°	180°
0°	9541	9541	9541	9541	9541
5°	43013	27419	8540	3285	2386
10°	98632	52988	6016	1172	892
15°	148023	75188	3744	642	571
20°	202684	94240	2181	367	440
25°	227215	110120	1121	304	380
30°	247150	88893	477	239	398
35°	265624	45497	168	336	505
40°	265716	18143	90	360	629
45°	169664	6065	195	585	877
50°	88069	750	322	750	1072
55°	7597	120	360	961	1321
60°	276	138	413	1102	1516
65°	326	163	652	1141	1630
70°	201	201	806	1209	1611
75°	266	266	799	1331	1863
80°	397	397	1190	1190	1587
85°	0	790	2371	1581	1581

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 169664 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.8	2.3
10°-20°	63.3	13.5
20°-30°	138.7	29.6
30°-40°	158.0	33.8
40°-50°	83.4	17.8
50°-60°	9.9	2.1
60°-70°	1.8	0.4
70°-80°	1.5	0.3
80°-90°	0.7	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°	212.9	45.5
0°-40°	370.9	79.2
0°-60°	464.2	99.2
0°-90°	468.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	468.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	55	55	55	55	55	
5°	249	159	49	19	14	34
15°	830	422	21	4	3	245
25°	1196	580	6	2	2	551
35°	1263	216	1	2	2	783
45°	697	25	1	2	4	562
55°	25	0	1	3	4	79
65°	1	0	2	3	4	1
75°	0	0	1	2	3	0
85°	0	0	1	1	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°	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
2.5°	123.4	123.4	123.0	119.5	119.1	118.7	112.3	110.8	103.2	98.1	74.8
5°	248.8	243.3	242.9	236.5	225.9	211.6	202.5	187.9	173.6	158.6	92.2
7.5°	396.3	401.1	388.0	381.3	357.6	340.6	314.5	291.5	259.5	229.4	106.4
10°	564.0	555.7	542.7	529.6	503.9	473.5	434.7	394.0	347.7	303.0	114.3
12.5°	695.0	684.3	676.4	658.6	633.3	594.1	547.8	493.2	431.9	367.5	113.9
15°	830.2	819.6	801.8	785.9	748.4	704.5	654.2	582.2	507.1	421.7	105.6
17.5°	979.0	965.1	945.4	921.2	884.8	836.2	772.5	684.7	578.3	466.0	90.6
20°	1105.9	1097.6	1077.9	1049.4	1013.8	966.3	892.7	795.4	665.7	514.2	72.0
22.5°	1189.0	1181.5	1168.0	1143.1	1116.2	1065.6	998.4	891.6	738.9	558.1	54.6
25°	1195.7	1192.6	1189.0	1180.7	1164.5	1128.5	1062.8	947.7	784.4	579.5	40.3
27.5°	1192.2	1191.0	1190.2	1185.8	1175.2	1139.6	1072.3	956.0	778.4	546.2	29.7
30°	1242.8	1239.2	1237.3	1223.0	1194.9	1140.0	1052.2	911.3	691.8	447.0	21.4
32.5°	1268.5	1267.7	1265.7	1251.9	1212.3	1140.8	1018.1	803.4	548.6	322.8	14.6
35°	1263.4	1259.4	1252.3	1226.6	1171.6	1081.8	908.2	641.6	395.9	216.4	9.5
37.5°	1246.0	1236.9	1223.0	1176.7	1103.6	981.0	736.5	472.3	269.4	140.0	5.5
40°	1181.9	1169.6	1147.9	1091.3	995.2	808.5	544.7	319.2	176.8	80.7	1.6
42.5°	1016.2	1000.3	984.5	921.2	811.3	602.8	358.4	197.4	100.9	44.3	0.4
45°	696.6	676.8	655.0	609.1	520.9	365.1	213.2	111.1	52.2	24.9	0.4
47.5°	483.8	474.7	436.7	378.1	289.9	193.4	110.4	54.6	27.7	11.5	0.4
50°	328.7	318.4	274.1	217.5	154.3	92.6	50.6	27.3	12.3	2.8	0.4
52.5°	172.5	159.8	131.7	100.5	62.5	38.8	22.2	11.9	3.6	0.4	0.4
55°	25.3	23.3	19.0	15.4	13.8	10.7	6.3	2.8	0.4	0.4	0.8
57.5°	0.8	0.8	0.8	0.8	1.2	1.2	0.8	0.4	0.4	0.4	0.8
60°	0.8	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.8
62.5°	0.8	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.8
65°	0.8	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.8
67.5°	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.8	1.2
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	0.8	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°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	1.2
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	1.2
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



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**CANDELA DISTRIBUTION (continued):**

	90°	112.5°	135°	157.5°	180°
0°	55.4	55.4	55.4	55.4	55.4
2.5°	54.6	40.3	31.2	26.9	26.5
5°	49.4	28.9	19.0	14.6	13.8
7.5°	41.9	20.2	11.1	7.9	7.5
10°	34.4	13.8	6.7	5.5	5.1
12.5°	27.3	9.1	4.7	4.4	4.0
15°	21.0	5.9	3.6	3.2	3.2
17.5°	15.8	4.0	2.8	2.8	2.8
20°	11.9	2.8	2.0	2.4	2.4
22.5°	8.3	2.0	1.6	2.0	2.0
25°	5.9	1.6	1.6	2.0	2.0
27.5°	4.0	1.2	1.2	1.6	2.0
30°	2.4	0.8	1.2	1.6	2.0
32.5°	1.2	0.8	1.2	2.0	2.0
35°	0.8	1.2	1.6	2.0	2.4
37.5°	0.4	1.2	1.6	2.4	2.4
40°	0.4	1.2	1.6	2.4	2.8
42.5°	0.8	1.6	2.0	2.8	3.2
45°	0.8	1.6	2.4	3.2	3.6
47.5°	0.8	1.6	2.8	3.6	3.6
50°	1.2	2.0	2.8	3.6	4.0
52.5°	1.2	2.0	2.8	4.0	4.4
55°	1.2	2.0	3.2	4.0	4.4
57.5°	1.2	2.4	3.2	4.0	4.4
60°	1.2	2.0	3.2	4.0	4.4
62.5°	1.6	2.0	2.8	4.0	4.0
65°	1.6	2.0	2.8	4.0	4.0
67.5°	1.6	2.0	2.8	3.6	3.6
70°	1.6	2.0	2.4	3.2	3.2
72.5°	1.6	2.0	2.4	2.8	3.2
75°	1.2	1.6	2.0	2.4	2.8
77.5°	1.2	1.6	1.6	2.4	2.4
80°	1.2	1.2	1.2	1.6	1.6
82.5°	1.2	1.2	0.8	1.2	1.2
85°	1.2	0.8	0.8	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)