

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: P1325048

Luminaire Tested: LDSQA3D05R40W2N902750DE010 3LSQCA30R 1MMS_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325048
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: LDSQA3D05R40W2N902750DE010 3LSQCA30R 1MMS_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

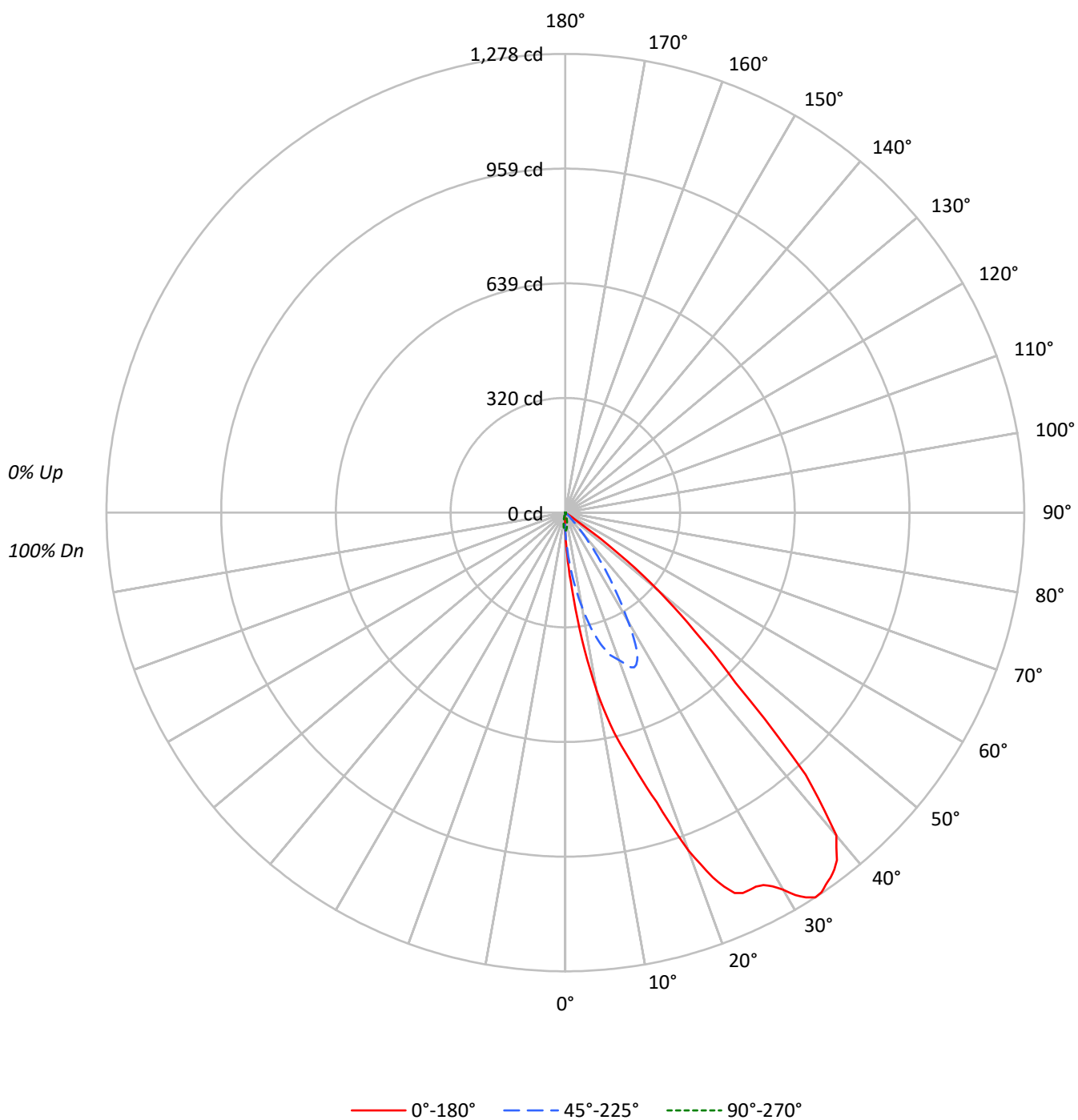
Lumens per Lamp: N/A
Luminaire Lumens: 429.0 lumens
Efficiency: N/A
Efficacy: 72.7 lumens/watt
Spacing Criteria (0/90/45): 2.56 / 0.36 / 1.23
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	83		
3	99	91	85	80	97	90	84	80	87	82	78	84	81	77	82	79	76	74		
4	92	83	77	72	90	82	76	71	80	74	70	78	73	69	76	72	68	67		
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60		
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49		
8	70	59	51	47	69	58	51	46	57	51	46	56	50	46	55	50	46	44		
9	66	54	47	42	64	54	47	42	52	46	42	51	46	42	51	45	42	40		
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	8646	8646	8646	8646	8646
5°	36685	24999	7589	1366	692
10°	88157	46500	4704	140	0
15°	129747	67557	1979	0	0
20°	183404	80091	733	0	0
25°	222160	88894	0	0	0
30°	241204	69523	0	0	0
35°	265981	40703	0	0	0
40°	263984	16524	0	0	0
45°	163477	4822	0	0	0
50°	91043	107	0	0	0
55°	8888	0	0	0	0
60°	0	0	138	0	0
65°	0	0	163	0	0
70°	0	201	403	0	0
75°	0	266	532	0	0
80°	0	397	793	0	0
85°	0	790	1581	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 164257 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.4	2.2
10°-20°	55.3	12.9
20°-30°	126.2	29.4
30°-40°	149.0	34.7
40°-50°	79.6	18.6
50°-60°	8.7	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°	190.9	44.5
0°-40°	340.0	79.2
0°-60°	428.2	99.8
0°-90°	429.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	429.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	50	50	50	50	50	
5°	212	145	44	8	4	30
15°	728	379	11	0	0	216
25°	1169	468	0	0	0	531
35°	1265	194	0	0	0	781
45°	671	20	0	0	0	553
55°	30	0	0	0	0	83
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°	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
2.5°	116.9	114.6	116.2	113.0	113.0	105.9	106.3	100.4	91.7	69.9	49.8
5°	212.2	221.6	214.1	204.3	198.7	191.6	182.1	172.3	144.6	87.3	43.9
7.5°	355.2	354.4	341.7	331.1	318.8	299.9	282.1	258.0	205.8	100.0	36.3
10°	504.1	501.4	487.1	478.1	454.7	427.5	391.1	352.4	265.9	104.3	26.9
12.5°	628.2	624.6	612.8	597.4	571.7	537.3	498.2	447.2	329.1	99.6	17.4
15°	727.7	727.0	715.5	694.6	667.7	634.1	589.9	528.6	378.9	87.3	11.1
17.5°	845.9	850.6	830.1	807.6	768.8	721.8	667.7	597.8	415.6	72.3	7.1
20°	1000.7	994.0	975.1	942.3	905.1	848.6	772.0	672.0	437.0	56.1	4.0
21°	1048.2	1045.4	1025.6	995.2	954.1	896.8	817.8	710.0	446.8	50.2	3.2
22°	1096.4	1091.6	1076.2	1046.6	1007.9	943.1	856.1	749.1	459.5	43.9	2.0
23°	1132.3	1130.3	1118.5	1089.2	1049.3	986.5	897.6	785.4	468.2	37.9	1.2
24°	1160.0	1157.6	1145.7	1123.6	1089.2	1023.7	939.5	824.5	471.7	32.8	0.4
25°	1169.1	1170.2	1163.1	1145.7	1116.9	1051.3	970.7	855.4	467.8	28.1	0.0
26°	1169.5	1173.0	1167.9	1158.0	1134.3	1073.4	1000.0	873.5	457.5	23.7	0.0
27°	1169.5	1173.0	1167.9	1160.4	1137.1	1086.1	1015.8	875.5	441.7	20.1	0.0
28°	1175.0	1177.0	1170.2	1161.2	1135.9	1090.0	1020.1	863.7	416.4	17.4	0.0
29°	1190.4	1188.4	1177.4	1165.1	1134.7	1090.0	1007.1	841.1	384.8	14.6	0.0
30°	1212.9	1212.9	1195.5	1176.2	1140.2	1089.6	986.1	800.4	349.6	11.9	0.0
31°	1243.3	1240.6	1223.2	1194.3	1152.1	1089.6	955.3	755.4	317.3	10.3	0.0
32°	1263.9	1262.3	1245.7	1211.7	1171.4	1089.6	922.1	705.6	282.1	8.3	0.0
33°	1278.1	1274.9	1256.0	1220.8	1183.3	1084.1	885.0	652.3	250.5	6.7	0.0
34°	1276.1	1275.3	1255.6	1219.2	1180.9	1061.2	841.9	593.0	221.2	5.5	0.0
35°	1265.1	1265.1	1241.0	1203.4	1163.9	1027.6	799.3	542.5	193.6	4.0	0.0
36°	1256.8	1253.6	1226.3	1184.5	1135.5	974.7	736.0	491.5	164.0	3.2	0.0
37°	1244.5	1238.6	1208.2	1163.1	1095.2	917.4	669.7	446.1	138.7	2.0	0.0
38°	1228.7	1219.6	1182.5	1138.2	1050.9	851.4	602.1	395.1	115.4	1.2	0.0
39°	1199.9	1192.4	1154.0	1106.2	998.0	781.9	536.5	347.3	93.2	0.4	0.0
40°	1174.2	1161.2	1117.7	1062.8	936.0	703.3	471.3	300.3	73.5	0.0	0.0
42.5°	990.1	976.3	966.4	911.9	745.5	504.9	329.1	192.4	38.3	0.0	0.0
45°	671.2	674.4	643.6	606.9	491.9	329.1	205.8	107.1	19.8	0.0	0.0
47.5°	489.5	481.2	439.3	369.8	288.4	192.4	107.5	51.8	7.9	0.0	0.0
50°	339.8	324.0	286.0	233.9	156.8	91.7	47.4	24.1	0.4	0.0	0.0
52.5°	184.5	173.4	147.0	106.7	65.2	35.2	19.0	9.9	0.0	0.0	0.0
55°	29.6	20.5	21.3	18.2	14.2	10.3	5.9	1.2	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	0.8	0.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.8
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8	0.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8	0.8



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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	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.8	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):

	112.5°	135°	157.5°	180°
0°	50.2	50.2	50.2	50.2
2.5°	33.6	22.9	17.4	15.0
5°	19.4	7.9	4.3	4.0
7.5°	9.5	2.8	1.6	1.6
10°	4.0	0.8	0.0	0.0
12.5°	1.2	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)