

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: P1325092

Luminaire Tested: LDSQA3D05R40W2N902765DE010 3LSQCA30R 1MB_6500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325092
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 1MB_6500K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 6500K CCT AND, 90CRI ,
3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

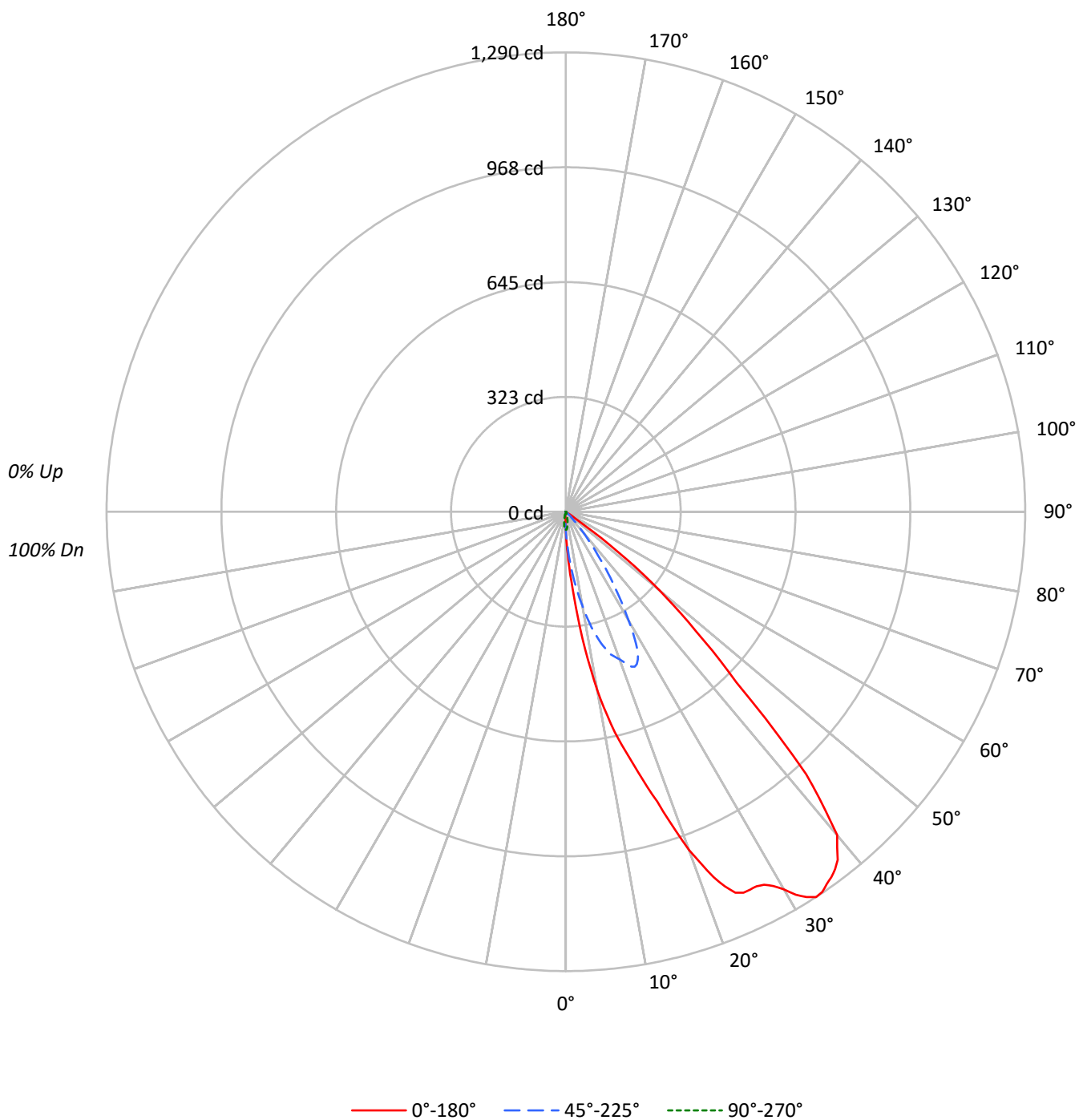
Lumens per Lamp: N/A
Luminaire Lumens: 433.0 lumens
Efficiency: N/A
Efficacy: 73.4 lumens/watt
Spacing Criteria (0/90/45): 2.56 / 0.36 / 1.23
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	8714	8714	8714	8714	8714
5°	37014	25223	7659	1383	692
10°	88979	46938	4739	140	0
15°	130960	68181	1997	0	0
20°	185127	80824	733	0	0
25°	224231	89712	0	0	0
30°	243451	70180	0	0	0
35°	268462	41082	0	0	0
40°	266435	16682	0	0	0
45°	165012	4847	0	0	0
50°	91873	107	0	0	0
55°	8978	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: 165791 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.5	2.2
10°-20°	55.8	12.9
20°-30°	127.4	29.4
30°-40°	150.4	34.7
40°-50°	80.4	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°	192.7	44.5
0°-40°	343.1	79.2
0°-60°	432.2	99.8
0°-90°	433.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	433.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	51	51	51	51	51	
5°	214	146	44	8	4	30
15°	734	382	11	0	0	218
25°	1180	472	0	0	0	536
35°	1277	195	0	0	0	789
45°	678	20	0	0	0	559
55°	30	0	0	0	0	84
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°	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
2.5°	118.0	115.6	117.2	114.0	114.0	106.9	107.3	101.3	92.5	70.6	50.2
5°	214.1	223.7	216.1	206.2	200.6	193.4	183.8	173.9	145.9	88.1	44.3
7.5°	358.5	357.7	344.9	334.2	321.8	302.7	284.7	260.4	207.8	100.9	36.7
10°	508.8	506.0	491.7	482.5	459.0	431.5	394.8	355.7	268.4	105.3	27.1
12.5°	634.0	630.5	618.5	602.9	577.0	542.3	502.8	451.4	332.2	100.5	17.5
15°	734.5	733.7	722.2	701.0	673.9	640.0	595.4	533.6	382.4	88.1	11.2
17.5°	853.8	858.5	837.8	815.1	776.0	728.6	673.9	603.3	419.5	73.0	7.2
20°	1010.1	1003.3	984.2	951.1	913.6	856.6	779.2	678.3	441.0	56.6	4.0
21°	1057.9	1055.1	1035.2	1004.5	963.0	905.2	825.5	716.6	451.0	50.6	3.2
22°	1106.6	1101.8	1086.2	1056.3	1017.3	951.9	864.1	756.1	463.8	44.3	2.0
23°	1142.9	1140.9	1128.9	1099.4	1059.1	995.7	906.0	792.8	472.5	38.3	1.2
24°	1170.8	1168.4	1156.4	1134.1	1099.4	1033.2	948.3	832.2	476.1	33.1	0.4
25°	1180.0	1181.2	1174.0	1156.4	1127.3	1061.1	979.8	863.3	472.1	28.3	0.0
26°	1180.4	1183.9	1178.8	1168.8	1144.9	1083.5	1009.3	881.7	461.8	23.9	0.0
27°	1180.4	1183.9	1178.8	1171.2	1147.7	1096.2	1025.2	883.7	445.8	20.3	0.0
28°	1185.9	1187.9	1181.2	1172.0	1146.5	1100.2	1029.6	871.7	420.3	17.5	0.0
29°	1201.5	1199.5	1188.3	1176.0	1145.3	1100.2	1016.5	849.0	388.4	14.8	0.0
30°	1224.2	1224.2	1206.7	1187.1	1150.8	1099.8	995.3	807.9	352.9	12.0	0.0
31°	1254.9	1252.1	1234.6	1205.5	1162.8	1099.8	964.2	762.4	320.2	10.4	0.0
32°	1275.7	1274.1	1257.3	1223.0	1182.3	1099.8	930.7	712.2	284.7	8.4	0.0
33°	1290.0	1286.8	1267.7	1232.2	1194.3	1094.2	893.2	658.4	252.8	6.8	0.0
34°	1288.0	1287.2	1267.3	1230.6	1191.9	1071.1	849.8	598.6	223.3	5.6	0.0
35°	1276.9	1276.9	1252.5	1214.6	1174.8	1037.2	806.7	547.5	195.4	4.0	0.0
36°	1268.5	1265.3	1237.8	1195.5	1146.1	983.8	742.9	496.1	165.5	3.2	0.0
37°	1256.1	1250.1	1219.4	1174.0	1105.4	925.9	675.9	450.2	140.0	2.0	0.0
38°	1240.2	1231.0	1193.5	1148.9	1060.7	859.3	607.7	398.8	116.4	1.2	0.0
39°	1211.1	1203.5	1164.8	1116.6	1007.3	789.2	541.5	350.5	94.1	0.4	0.0
40°	1185.1	1172.0	1128.1	1072.7	944.7	709.8	475.7	303.1	74.2	0.0	0.0
42.5°	999.3	985.4	975.4	920.4	752.5	509.6	332.2	194.2	38.7	0.0	0.0
45°	677.5	680.7	649.6	612.5	496.5	332.2	207.8	108.1	19.9	0.0	0.0
47.5°	494.1	485.7	443.4	373.2	291.1	194.2	108.5	52.2	8.0	0.0	0.0
50°	342.9	327.0	288.7	236.1	158.3	92.5	47.9	24.3	0.4	0.0	0.0
52.5°	186.2	175.1	148.3	107.7	65.8	35.5	19.1	10.0	0.0	0.0	0.0
55°	29.9	20.7	21.5	18.3	14.4	10.4	6.0	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°	50.6	50.6	50.6	50.6
2.5°	33.9	23.1	17.5	15.2
5°	19.5	8.0	4.4	4.0
7.5°	9.6	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)