

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: P1324778

Luminaire Tested: LDSQA3D05R30W2N902765DE010 3LSQCA45R 1MMS_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324778
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-76)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R30W2N902765DE010 3LSQCA45R 1MMS_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,
3LSQCA45R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

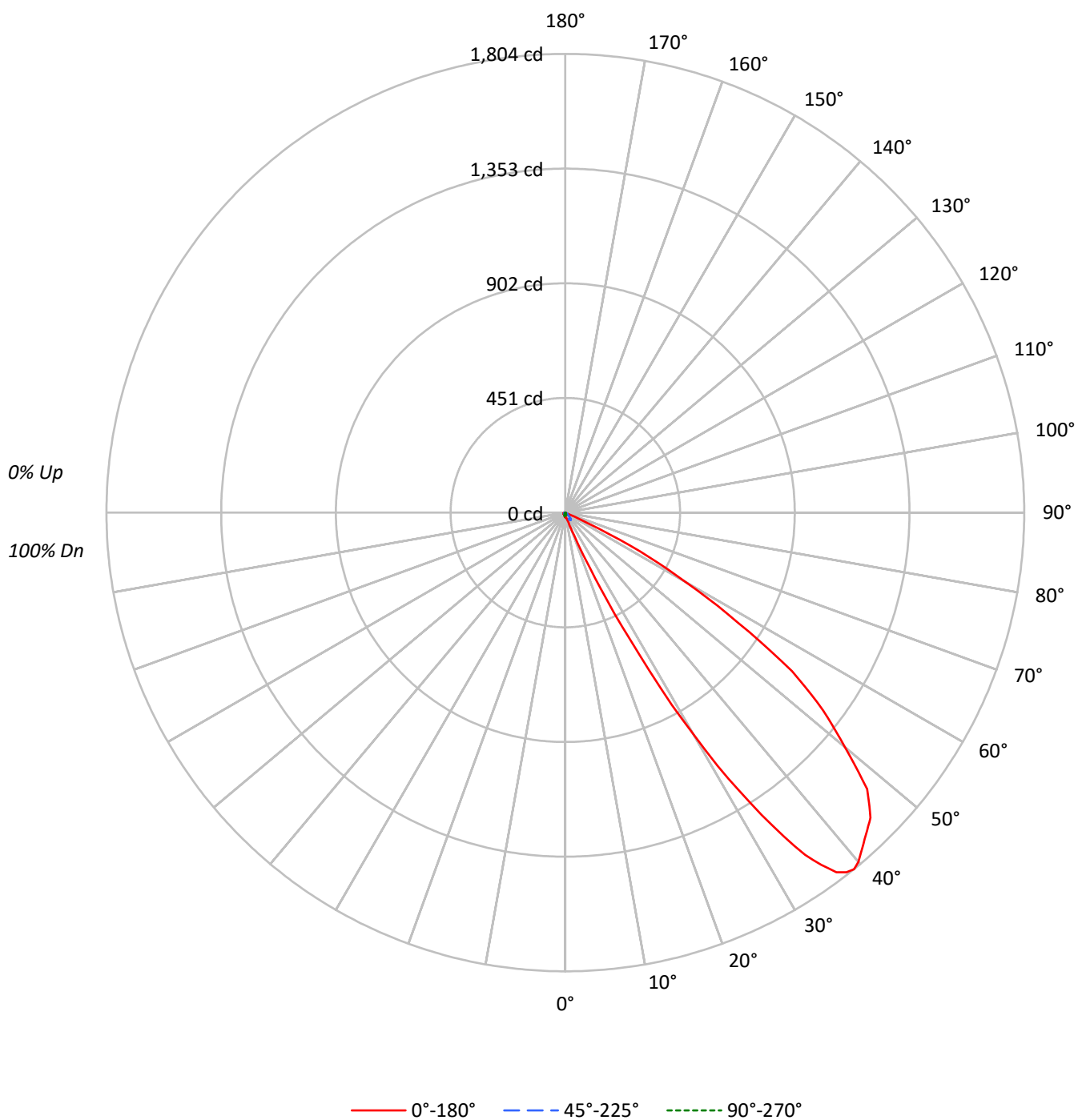
Lumens per Lamp: N/A
Luminaire Lumens: 469.0 lumens
Efficiency: N/A
Efficacy: 79.5 lumens/watt
Spacing Criteria (0/90/45): 4.07 / 0.66 / 1.44
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	52	50		
5	75	62	52	46	73	60	52	45	58	51	45	56	50	44	54	49	44	42		
6	68	54	45	38	66	53	44	38	51	43	37	49	42	37	48	42	37	35		
7	62	48	38	32	60	47	38	32	45	37	31	44	36	31	42	36	31	29		
8	56	42	33	27	55	41	33	27	40	32	26	39	32	26	37	31	26	24		
9	52	37	29	23	50	37	28	23	36	28	22	34	27	22	33	27	22	20		
10	48	33	25	19	46	33	25	19	32	24	19	31	24	19	30	24	19	17		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	3134	3134	3134	3134	3134
5°	3354	3285	3077	2801	2732
10°	3655	3253	2693	2413	2343
15°	5349	3245	2247	2050	2122
20°	13471	3556	1741	1741	1961
25°	62538	4428	1349	1577	1805
30°	199084	6125	1014	1491	1810
35°	345454	7485	841	1409	1829
40°	402879	7464	629	1416	1866
45°	413174	5285	682	1534	2022
50°	384240	2974	536	1581	2331
55°	326564	1531	601	1772	2612
60°	188618	413	689	1894	2859
65°	38469	0	815	2241	3219
70°	604	201	1007	2568	3777
75°	532	266	1065	2662	4458
80°	397	397	1587	3174	5058
85°	0	790	3162	3162	6323

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 413174 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.6	0.4
10°-20°	4.7	1.0
20°-30°	27.0	5.8
30°-40°	126.3	26.9
40°-50°	178.6	38.1
50°-60°	109.9	23.4
60°-70°	16.7	3.6
70°-80°	2.7	0.6
80°-90°	1.3	0.3
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°	33.4	7.1
0°-40°	159.7	34.1
0°-60°	448.3	95.6
0°-90°	469.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	469.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	18	18	18	18	18	
5°	19	19	18	16	16	2
15°	30	18	13	12	12	11
25°	329	23	7	8	10	203
35°	1643	36	4	7	9	986
45°	1696	22	3	6	8	1286
55°	1088	5	2	6	9	925
65°	94	0	2	6	8	171
75°	1	0	2	4	7	1
85°	0	0	2	2	3	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	45°	67.5°	90°	112.5°	135°
0°	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2
2.5°	18.6	18.6	19.0	19.0	18.6	19.0	19.0	19.0	18.2	17.8	17.0
5°	19.4	19.4	19.4	19.8	19.4	19.4	19.0	18.6	17.8	16.6	16.2
7.5°	20.1	20.1	19.8	20.1	19.8	19.8	19.0	18.2	17.0	15.8	15.0
10°	20.9	20.9	20.5	20.5	20.1	20.1	18.6	17.4	15.4	14.2	13.8
12.5°	23.3	23.3	22.9	22.5	21.7	21.3	18.2	16.2	13.8	12.6	12.2
15°	30.0	29.6	28.8	27.7	25.7	25.3	18.2	15.0	12.6	11.5	11.5
17.5°	41.1	40.7	39.5	36.3	32.8	31.6	18.2	13.4	11.1	10.3	10.3
20°	73.5	70.3	64.4	56.5	48.2	43.9	19.4	11.9	9.5	9.1	9.5
21°	96.0	92.8	85.3	72.3	57.7	52.9	20.1	11.5	9.1	8.7	9.5
22°	130.8	127.2	111.8	94.0	73.1	64.8	20.5	10.7	8.3	8.3	9.1
23°	182.5	176.6	150.5	122.1	91.3	79.4	21.3	10.3	7.9	8.3	8.7
24°	239.0	233.9	204.2	161.6	116.5	99.6	22.1	9.9	7.5	7.5	8.3
25°	329.1	323.2	270.6	203.9	147.8	119.7	23.3	9.1	7.1	7.1	8.3
26°	445.6	418.4	348.4	262.7	182.1	150.1	24.5	8.7	6.7	7.1	7.9
27°	556.3	533.7	455.1	337.0	225.2	184.5	26.1	8.3	6.3	6.7	7.9
28°	701.6	670.0	570.9	426.3	283.7	223.2	27.7	7.9	5.9	6.7	7.5
29°	864.4	820.2	700.5	526.6	349.6	266.7	29.2	7.5	5.5	6.3	7.5
30°	1001.1	959.6	839.9	645.5	425.5	324.0	30.8	7.1	5.1	6.3	7.5
31°	1161.5	1098.7	953.7	746.3	490.7	381.2	32.4	6.3	4.7	5.9	7.1
32°	1291.5	1247.6	1093.5	860.1	576.4	444.4	33.6	5.9	4.7	5.9	7.1
33°	1417.1	1358.2	1209.3	969.1	653.8	509.2	34.8	5.5	4.3	5.5	7.1
34°	1537.2	1483.1	1318.7	1057.2	726.9	570.9	35.6	4.7	4.3	5.5	6.7
35°	1643.1	1580.3	1415.1	1143.3	802.0	627.0	35.6	4.3	4.0	5.1	6.7
36°	1711.8	1666.8	1498.9	1228.3	869.9	680.3	35.6	4.0	3.6	5.1	6.3
37°	1770.7	1718.1	1566.0	1293.4	920.1	723.0	35.6	3.6	3.6	5.1	6.3
38°	1794.8	1749.7	1612.3	1351.1	967.1	766.4	35.2	3.2	3.2	4.7	6.3
39°	1804.3	1764.0	1647.0	1392.6	1001.9	795.7	34.4	2.8	3.2	4.7	6.3
40°	1792.0	1761.6	1664.8	1419.5	1029.5	817.0	33.2	2.4	2.8	4.7	6.3
42.5°	1741.5	1721.3	1660.9	1446.3	1053.2	832.8	28.8	1.6	2.8	4.3	6.3
45°	1696.4	1674.3	1621.0	1418.3	1022.4	801.6	21.7	0.8	2.8	4.3	6.3
47.5°	1609.1	1595.3	1553.4	1346.8	954.9	731.3	15.4	0.4	2.4	4.0	5.9
50°	1434.1	1421.1	1365.7	1169.4	821.3	618.3	11.1	0.4	2.0	4.0	5.9
52.5°	1277.2	1263.4	1184.0	972.3	630.9	453.1	7.1	0.4	2.0	4.0	5.9
55°	1087.6	1063.5	959.2	738.0	447.2	303.8	5.1	0.4	2.0	3.6	5.9
57.5°	805.1	770.0	676.7	503.3	257.6	164.7	2.8	0.4	2.0	3.6	5.9
60°	547.6	526.6	423.5	265.5	109.8	69.5	1.2	0.4	2.0	3.6	5.5
62.5°	331.9	305.4	212.9	113.0	47.4	31.6	0.0	0.8	2.0	3.6	5.5
65°	94.4	83.8	55.7	25.7	13.4	10.3	0.0	0.8	2.0	3.6	5.5
67.5°	3.2	3.2	3.2	2.8	2.0	2.0	0.4	0.8	2.0	3.6	5.1
70°	1.2	1.2	1.2	0.8	0.8	0.4	0.4	0.8	2.0	3.2	5.1
72.5°	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.8	1.6	2.8	4.7
75°	0.8	0.8	0.8	0.4	0.4	0.4	0.4	1.2	1.6	2.8	4.0
77.5°	0.8	0.8	0.8	0.4	0.4	0.4	0.4	1.2	1.6	2.4	4.0
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.2	1.6	2.4	3.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	45°	67.5°	90°	112.5°	135°
82.5°	0.4	0.4	0.4	0.0	0.0	0.0	0.4	1.2	1.6	1.6	2.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.2	1.6	1.2	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.2	1.2	1.2	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):

	157.5°	180°
0°	18.2	18.2
2.5°	17.0	17.0
5°	15.8	15.8
7.5°	14.6	14.6
10°	13.4	13.4
12.5°	12.6	12.6
15°	11.5	11.9
17.5°	10.7	11.1
20°	10.3	10.7
21°	10.3	10.7
22°	9.9	10.3
23°	9.9	10.3
24°	9.5	9.9
25°	9.1	9.5
26°	9.1	9.5
27°	9.1	9.5
28°	8.7	9.5
29°	8.7	9.1
30°	8.7	9.1
31°	8.3	9.1
32°	8.3	9.1
33°	8.3	8.7
34°	7.9	8.7
35°	7.9	8.7
36°	7.9	8.7
37°	7.9	8.3
38°	7.9	8.7
39°	7.9	8.3
40°	7.9	8.3
42.5°	7.9	8.3
45°	7.9	8.3
47.5°	7.9	8.7
50°	7.9	8.7
52.5°	7.9	8.7
55°	7.9	8.7
57.5°	7.9	8.3
60°	7.9	8.3
62.5°	7.5	8.3
65°	7.5	7.9
67.5°	7.5	7.9
70°	7.1	7.5
72.5°	6.7	7.1
75°	5.9	6.7
77.5°	5.5	5.9
80°	4.7	5.1



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CANDELA DISTRIBUTION (continued):

	157.5°	180°
82.5°	4.0	4.0
85°	2.8	3.2
87.5°	1.6	1.6
90°	0.0	0.0

(END OF REPORT)