

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: P1326803

Luminaire Tested: LDSQA3D09R45W2N902765DE010 3LSQCA30R 1MMS_6500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326803
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-58)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R45W2N902765DE010 3LSQCA30R 1MMS_6500K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 6500K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

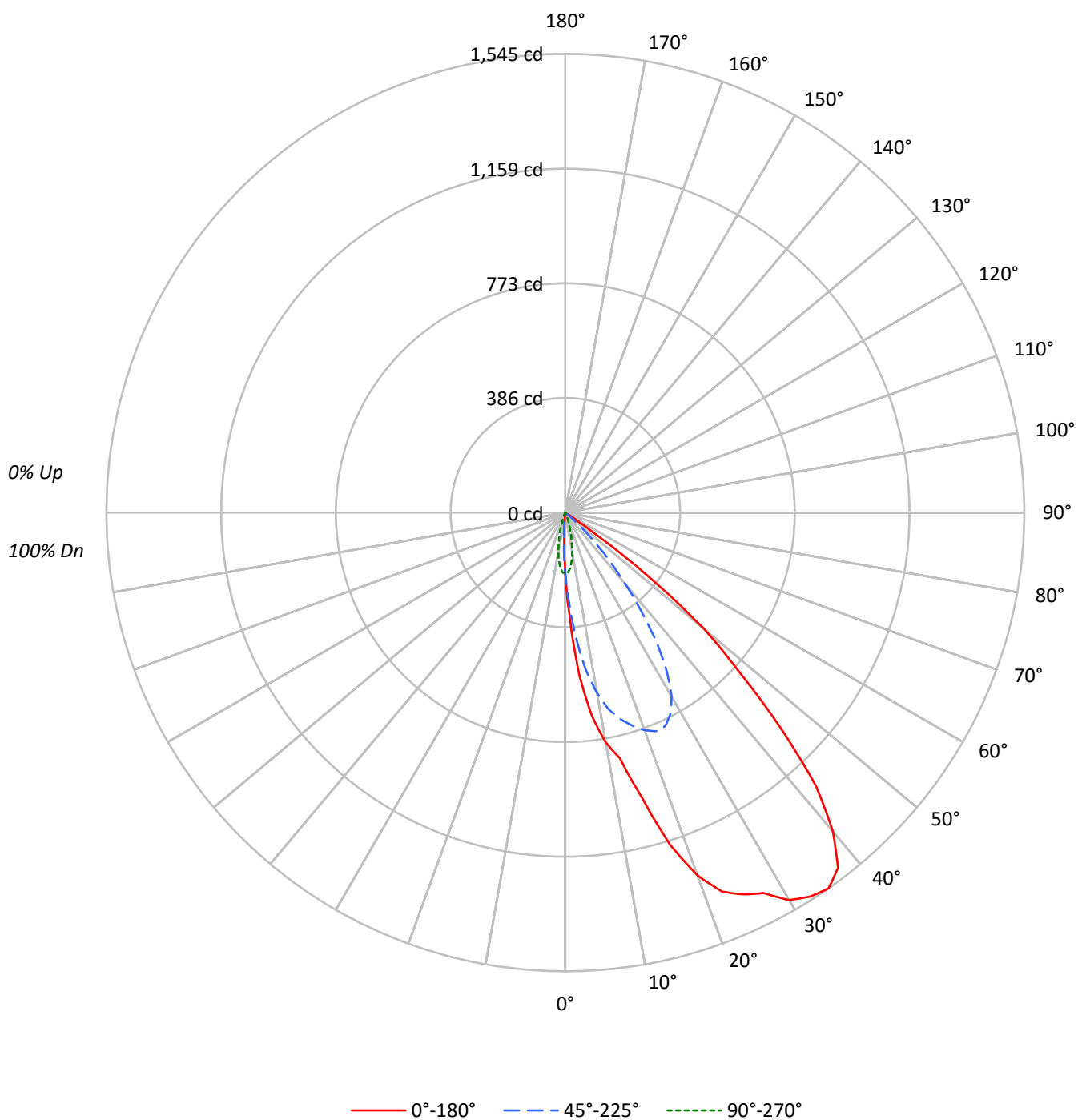
Lumens per Lamp: N/A
Luminaire Lumens: 655.0 lumens
Efficiency: N/A
Efficacy: 72.8 lumens/watt
Spacing Criteria (0/90/45): 2.27 / 0.42 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74		
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	76	72	68	67		
5	86	76	69	64	84	75	68	63	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	61	55	51	59	54	51	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	35030	35030	35030	35030	35030
5°	95637	73595	32432	6500	2438
10°	137368	107953	23434	612	507
15°	176836	128410	12481	214	0
20°	238350	142882	4747	0	0
25°	269591	150938	1235	0	0
30°	299671	142288	119	0	0
35°	324850	113469	0	0	0
40°	314861	71246	0	0	0
45°	249600	33928	0	0	0
50°	163357	4260	0	0	0
55°	28074	0	0	0	0
60°	0	0	207	0	0
65°	0	245	245	0	0
70°	0	302	604	0	0
75°	0	399	799	0	0
80°	0	595	1190	595	0
85°	0	1186	2371	1186	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 249600 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.2	3.7
10°-20°	93.3	14.2
20°-30°	174.7	26.7
30°-40°	203.9	31.1
40°-50°	133.0	20.3
50°-60°	24.7	3.8
60°-70°	0.2	0.0
70°-80°	0.5	0.1
80°-90°	0.6	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°	292.2	44.6
0°-40°	496.1	75.7
0°-60°	653.7	99.8
0°-90°	655.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	655.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	203	203	203	203	203	
5°	553	426	188	38	14	59
15°	992	720	70	1	0	296
25°	1419	794	6	0	0	656
35°	1545	540	0	0	0	948
45°	1025	139	0	0	0	779
55°	94	0	0	0	0	162
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4
2.5°	358.6	361.6	355.7	353.3	345.7	347.5	334.5	329.2	321.0	307.5	301.0
5°	553.2	548.0	543.3	533.3	527.4	511.5	493.9	473.9	449.8	425.7	398.0
7.5°	692.0	687.9	686.1	677.9	666.1	649.7	626.7	601.5	570.3	538.0	496.2
10°	785.5	781.4	774.3	766.1	756.7	743.2	720.8	693.2	659.1	617.3	568.5
12.5°	846.6	846.0	834.3	824.9	813.1	801.4	778.4	756.1	722.6	679.7	624.4
15°	991.8	982.4	967.2	940.7	907.8	877.2	840.2	804.9	768.4	720.2	658.5
17.5°	1172.9	1162.3	1136.5	1103.0	1050.1	991.8	928.3	872.5	817.8	752.6	679.7
20°	1300.5	1296.4	1274.6	1235.8	1179.4	1102.4	1018.9	940.1	863.1	779.6	689.6
22.5°	1382.2	1379.9	1371.1	1344.6	1287.0	1200.6	1093.0	987.1	894.2	796.7	686.7
25°	1418.7	1421.6	1422.8	1409.9	1363.4	1275.2	1147.6	1023.0	911.9	794.3	664.4
27.5°	1444.6	1444.6	1449.3	1443.4	1396.3	1303.5	1168.8	1035.4	906.0	765.5	617.3
30°	1506.9	1505.7	1508.6	1492.8	1427.5	1312.3	1159.4	1015.4	872.5	715.5	549.7
32.5°	1533.9	1535.1	1534.5	1509.2	1433.4	1306.4	1136.5	977.1	810.8	637.3	460.4
35°	1545.1	1539.8	1518.0	1460.4	1364.6	1228.2	1071.8	912.5	724.3	539.7	363.3
37.5°	1508.1	1492.8	1444.6	1365.8	1248.8	1117.7	964.8	796.7	609.7	423.3	273.4
40°	1400.5	1380.5	1319.9	1224.7	1117.7	999.5	838.4	660.8	476.8	316.9	191.7
42.5°	1248.2	1225.3	1160.0	1077.1	979.5	855.4	694.9	517.4	349.2	218.7	121.7
45°	1024.8	1011.8	974.2	904.2	808.4	679.7	532.7	377.5	241.6	139.3	62.3
47.5°	792.5	776.1	749.0	700.8	620.9	498.6	372.8	256.3	155.2	68.8	12.9
50°	609.7	590.3	557.4	503.9	420.4	332.8	241.6	159.9	78.8	15.9	0.6
52.5°	351.0	355.1	339.2	305.1	258.7	199.3	139.9	80.5	17.6	0.6	0.0
55°	93.5	101.1	98.8	106.4	93.5	78.8	58.2	15.3	1.2	0.0	0.0
57.5°	0.0	0.0	0.6	1.2	3.5	5.3	1.8	0.6	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	203.4	203.4	203.4	203.4	203.4	203.4	203.4	203.4
2.5°	286.3	274.0	258.7	202.2	152.3	109.4	85.3	78.8
5°	371.6	341.6	302.8	187.6	94.1	37.6	17.1	14.1
7.5°	452.1	408.0	338.1	164.0	47.6	9.4	4.7	4.1
10°	514.4	455.1	363.9	134.0	17.6	3.5	2.9	2.9
12.5°	557.4	485.0	373.3	101.7	6.5	1.8	1.8	1.2
15°	582.1	496.8	364.5	70.0	2.4	1.2	0.0	0.0
17.5°	589.7	492.1	341.0	44.1	0.6	0.0	0.0	0.0
20°	583.2	469.2	304.0	25.9	0.0	0.0	0.0	0.0
22.5°	562.1	433.3	259.3	14.1	0.0	0.0	0.0	0.0
25°	522.7	382.7	207.0	6.5	0.0	0.0	0.0	0.0
27.5°	458.6	317.5	155.8	2.4	0.0	0.0	0.0	0.0
30°	385.7	247.5	110.5	0.6	0.0	0.0	0.0	0.0
32.5°	301.0	182.3	71.1	0.0	0.0	0.0	0.0	0.0
35°	226.4	127.6	42.3	0.0	0.0	0.0	0.0	0.0
37.5°	157.6	80.5	22.3	0.0	0.0	0.0	0.0	0.0
40°	98.2	43.5	7.6	0.0	0.0	0.0	0.0	0.0
42.5°	54.7	15.3	0.6	0.0	0.0	0.0	0.0	0.0
45°	12.9	1.2	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0
60°	0.0	0.6	0.6	0.6	0.0	0.0	0.0	0.0
62.5°	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0
65°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
67.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
70°	0.6	0.6	0.6	1.2	0.6	0.0	0.0	0.0
72.5°	0.6	0.6	1.2	1.2	0.6	0.0	0.0	0.0
75°	0.6	0.6	1.2	1.2	0.6	0.0	0.0	0.0
77.5°	0.6	1.2	1.2	1.2	0.6	0.6	0.0	0.0
80°	0.6	1.2	1.2	1.2	1.2	0.6	0.0	0.0
82.5°	0.6	1.2	1.2	1.2	1.2	0.6	0.0	0.0
85°	0.6	1.2	1.2	1.2	0.6	0.6	0.0	0.0
87.5°	0.6	1.2	1.2	1.2	1.2	0.6	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)