

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: P1325198

Luminaire Tested: LDSQA3D05R45W2N902765DE010 3LSQCA30R 1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325198
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-69)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R45W2N902765DE010 3LSQCA30R 1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 2700K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

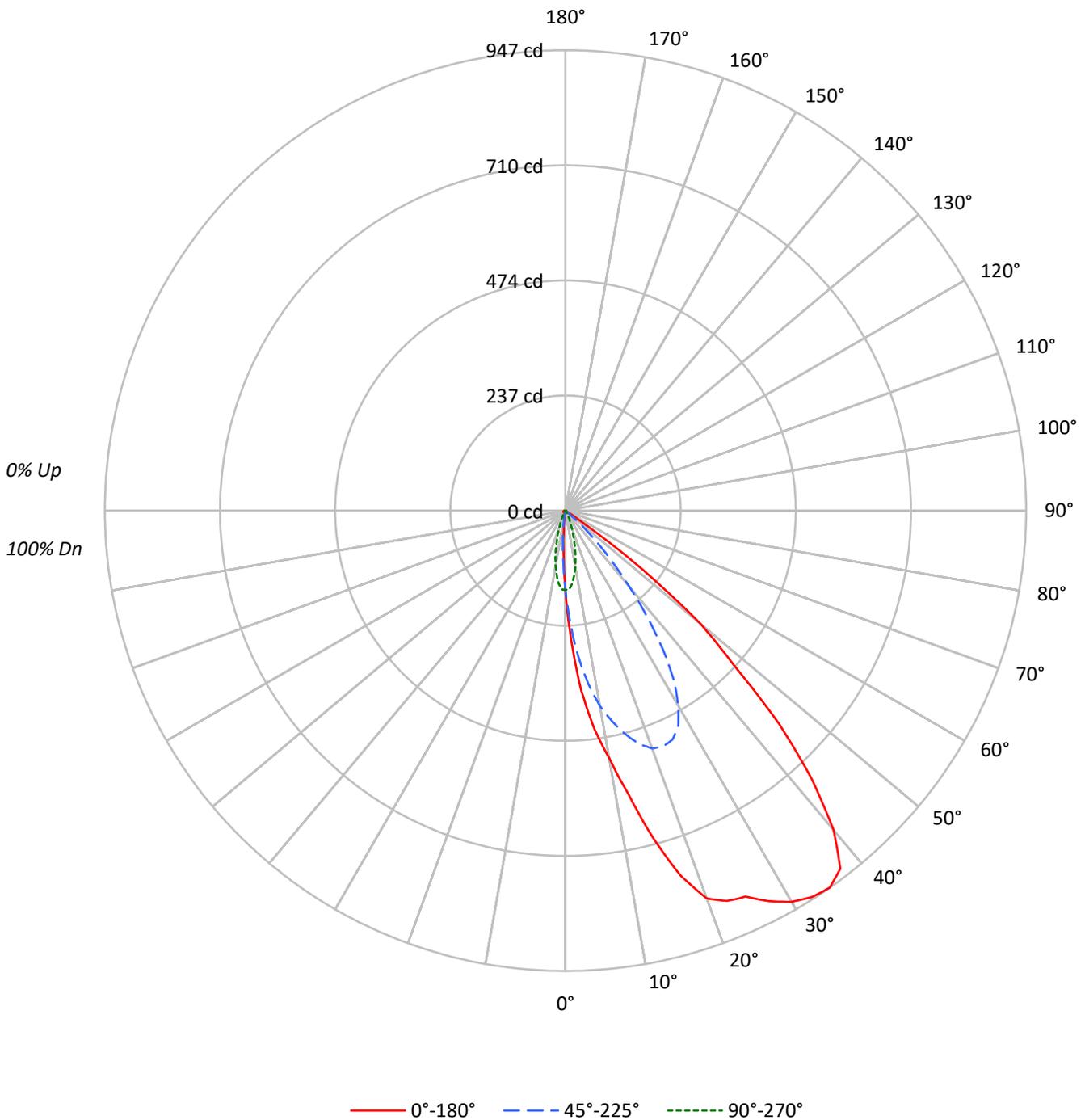
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 429.0 lumens
Efficiency: N/A
Efficacy: 72.7 lumens/watt
Spacing Criteria (0/90/45): 2.13 / 0.47 / 1.22
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	0
RW	70	50	30	10	70	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
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82
3	99	91	85	80	96	89	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	64	73	67	63	71	66	62	70	65	62	60
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45
9	66	55	48	43	65	54	47	43	53	47	43	52	47	43	51	46	42	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	28107	28107	28107	28107	28107
5°	64070	51985	26295	10546	7192
10°	90290	71403	20321	2326	1067
15°	124416	84959	12980	767	642
20°	155583	95413	6781	531	531
25°	166482	98795	3135	418	475
30°	184786	92254	1432	438	497
35°	199060	73544	463	463	610
40°	192626	45571	247	562	719
45°	151251	21506	268	706	877
50°	97179	2492	375	857	1152
55°	14773	210	420	1081	1411
60°	241	241	482	1240	1481
65°	285	285	571	1304	1752
70°	352	352	705	1460	1964
75°	266	466	932	1664	2129
80°	397	694	1091	1785	2479
85°	0	790	1383	2174	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 151251 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.9	4.2
10°-20°	64.6	15.1
20°-30°	113.5	26.5
30°-40°	128.9	30.0
40°-50°	83.4	19.5
50°-60°	16.4	3.8
60°-70°	2.0	0.5
70°-80°	1.7	0.4
80°-90°	0.8	0.2
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°	195.9	45.7
0°-40°	324.8	75.7
0°-60°	424.6	99.0
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°	163	163	163	163	163	
5°	371	301	152	61	42	39
15°	698	476	73	4	4	201
25°	876	520	16	2	2	411
35°	947	350	2	2	3	582
45°	621	88	1	3	4	468
55°	49	1	1	4	5	94
65°	1	1	1	3	4	1
75°	0	1	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°	50°
0°	163.2	163.2	163.2	163.2	163.2	163.2	163.2	163.2	163.2	163.2	163.2
2.5°	265.1	264.4	265.5	258.3	258.0	252.6	251.1	245.0	236.8	232.8	223.5
5°	370.6	367.0	367.0	358.4	355.5	349.4	339.0	326.1	315.4	300.7	284.9
7.5°	452.1	451.3	451.3	443.8	436.6	428.0	414.0	399.3	382.1	359.5	336.5
10°	516.3	517.4	514.1	507.3	496.9	487.6	471.1	453.1	432.0	408.3	377.8
12.5°	597.4	589.5	587.0	571.5	558.3	540.3	520.6	500.1	473.9	444.2	409.7
15°	697.8	687.8	677.7	657.3	635.0	607.4	576.6	546.4	512.7	476.5	433.4
17.5°	787.5	787.5	774.2	741.9	713.2	672.3	630.7	590.5	550.7	503.0	449.2
20°	848.9	845.6	835.6	811.9	779.3	733.0	678.8	622.5	574.4	520.6	458.2
22.5°	869.0	868.2	868.6	854.6	828.4	780.3	714.0	647.6	587.3	524.9	453.9
25°	876.1	877.6	881.2	875.8	856.0	808.0	735.5	659.4	591.3	519.9	437.3
27.5°	905.9	903.0	907.0	903.4	881.2	823.7	739.8	656.6	582.7	501.6	407.9
30°	929.2	928.5	935.3	932.1	903.0	833.8	735.8	645.8	561.5	463.9	361.6
32.5°	942.5	942.9	944.7	931.4	888.3	811.9	716.5	623.9	521.7	414.7	301.4
35°	946.8	944.7	934.6	902.0	843.1	761.3	668.8	571.9	467.5	349.8	238.2
37.5°	928.2	917.0	891.2	842.4	774.2	697.8	607.8	506.2	393.2	276.3	177.6
40°	856.8	842.0	809.4	759.5	696.0	622.1	529.9	423.7	305.0	202.7	124.9
42.5°	749.8	742.3	708.2	664.8	611.0	536.4	441.3	333.7	225.7	139.9	79.6
45°	621.0	611.4	589.8	551.4	509.1	430.9	342.3	238.9	153.9	88.3	39.5
47.5°	465.7	466.4	451.7	422.6	381.0	315.7	234.3	160.4	96.5	45.6	9.0
50°	362.7	357.7	336.9	307.1	258.7	210.2	151.4	101.2	50.9	9.3	0.7
52.5°	200.9	204.1	193.0	183.3	158.2	125.6	89.3	51.3	10.8	1.1	0.7
55°	49.2	52.0	49.9	50.9	52.7	47.0	36.2	10.0	1.1	0.7	0.7
57.5°	1.1	1.1	1.1	1.1	1.8	2.5	2.5	0.7	0.7	0.7	0.7
60°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
62.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
65°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
67.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
70°	0.7	0.7	0.7	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.7	0.7
75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.7	0.7
77.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.7
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.7
82.5°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
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°	163.2	163.2	163.2	163.2	163.2	163.2	163.2	163.2
2.5°	218.9	212.0	199.5	162.2	130.2	105.1	90.1	88.6
5°	270.9	252.6	226.0	152.1	96.2	61.0	44.1	41.6
7.5°	312.1	286.3	245.4	135.6	65.7	31.2	17.2	14.4
10°	346.2	309.6	255.4	116.2	41.3	13.3	7.2	6.1
12.5°	369.5	325.4	257.2	94.7	23.7	6.5	4.7	4.3
15°	384.6	330.4	248.6	72.8	13.3	4.3	3.9	3.6
17.5°	390.7	326.1	232.1	52.7	7.2	3.2	3.2	3.2
20°	387.8	312.1	207.7	37.0	4.7	2.9	2.9	2.9
22.5°	374.2	288.1	177.2	24.8	3.2	2.5	2.5	2.5
25°	347.3	255.4	144.9	16.5	2.2	2.2	2.5	2.5
27.5°	307.1	215.3	110.9	11.1	1.8	2.2	2.5	2.5
30°	256.5	170.4	79.6	7.2	1.8	2.2	2.2	2.5
32.5°	203.8	124.1	52.4	4.3	1.4	2.2	2.5	2.9
35°	147.8	84.7	33.4	2.2	1.8	2.2	2.5	2.9
37.5°	103.7	55.3	19.4	1.4	1.8	2.2	2.9	2.9
40°	67.4	30.9	7.2	1.1	1.8	2.5	2.9	3.2
42.5°	35.2	10.8	1.4	1.1	1.8	2.5	3.2	3.6
45°	9.0	1.4	0.4	1.1	2.2	2.9	3.6	3.6
47.5°	1.1	0.4	0.4	1.4	2.2	3.2	3.6	3.9
50°	0.4	0.7	0.7	1.4	2.2	3.2	3.9	4.3
52.5°	0.7	0.7	0.7	1.4	2.5	3.2	4.3	4.7
55°	0.7	0.7	0.7	1.4	2.5	3.6	4.3	4.7
57.5°	0.7	0.7	0.7	1.4	2.5	3.6	4.3	4.3
60°	0.7	0.7	0.7	1.4	2.5	3.6	4.3	4.3
62.5°	0.7	0.7	1.1	1.4	2.5	3.2	4.3	4.3
65°	0.7	1.1	1.1	1.4	2.5	3.2	3.9	4.3
67.5°	0.7	0.7	1.1	1.4	2.5	3.2	3.9	4.3
70°	0.7	0.7	1.1	1.4	2.2	2.9	3.6	3.9
72.5°	0.7	0.7	1.1	1.4	2.2	2.9	3.2	3.6
75°	0.7	0.7	1.1	1.4	1.8	2.5	3.2	3.2
77.5°	0.7	0.7	1.1	1.1	1.8	2.2	2.9	2.9
80°	0.7	0.7	1.1	1.1	1.4	1.8	2.2	2.5
82.5°	0.7	0.7	0.7	1.1	1.1	1.4	1.8	1.8
85°	0.7	0.7	0.7	0.7	0.7	1.1	1.1	1.1
87.5°	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)