

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: P1325192

Luminaire Tested: LDSQA3D05R45W2N902765DE010 3LSQCA30R 1MMS_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325192
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: LDSQA3D05R45W2N902765DE010 3LSQCA30R 1MMS_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 2700K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

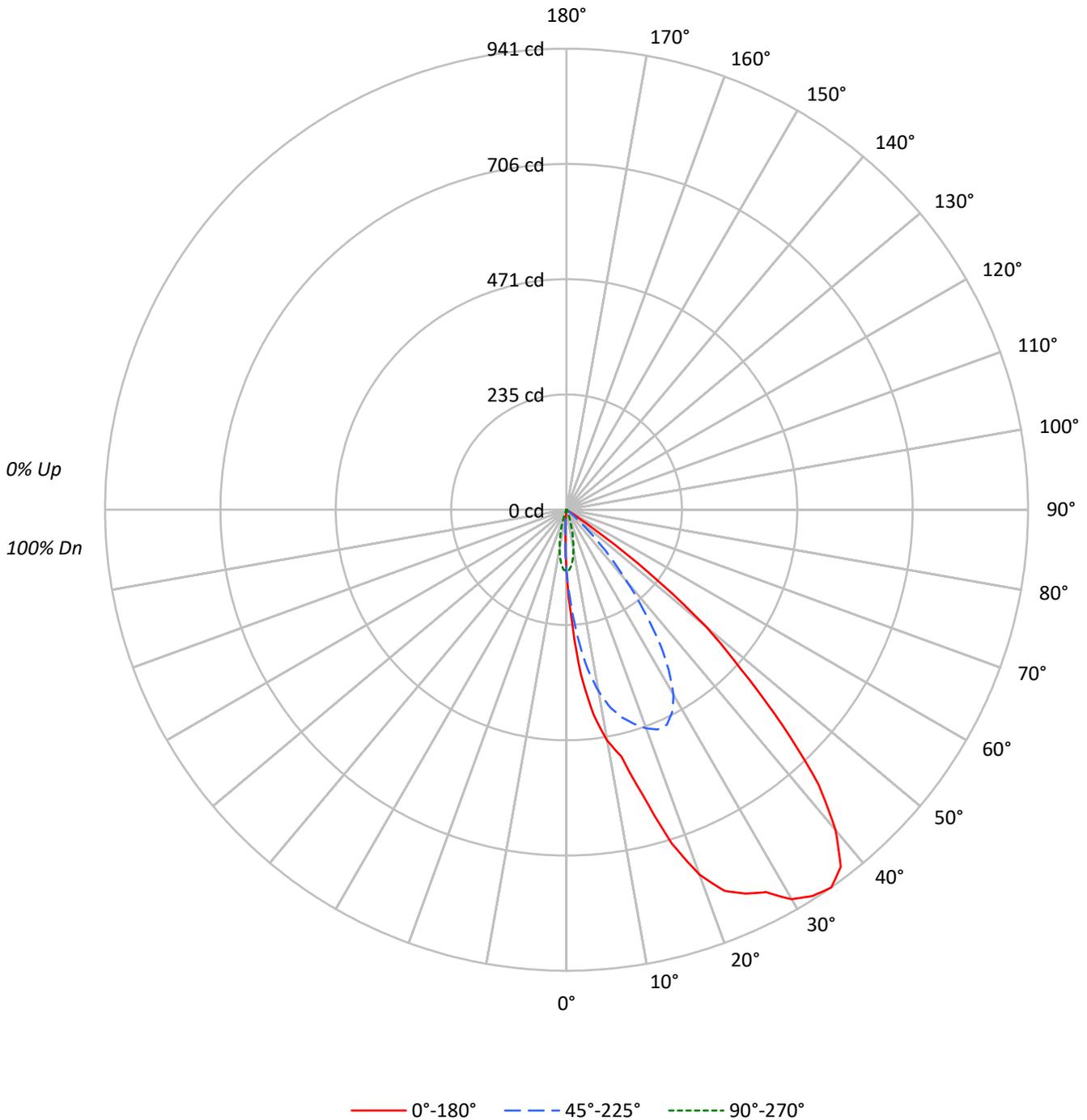
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 399.0 lumens
Efficiency: N/A
Efficacy: 67.6 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): 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				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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91				91
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82				82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74				74
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	76	72	68	67				67
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60				60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	54				54
7	75	64	57	52	74	63	56	51	62	56	51	61	55	51	59	54	51	49				49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44				44
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40				40
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37				37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	21338	21338	21338	21338	21338
5°	58261	44828	19743	3959	1487
10°	83680	65772	14288	367	315
15°	107728	78219	7595	125	0
20°	145191	87038	2896	0	0
25°	164221	91954	741	0	0
30°	182539	86686	80	0	0
35°	197883	69129	0	0	0
40°	191795	43390	0	0	0
45°	152030	20678	0	0	0
50°	99510	2599	0	0	0
55°	17085	0	0	0	0
60°	0	0	138	0	0
65°	0	163	163	0	0
70°	0	201	352	0	0
75°	0	266	466	0	0
80°	0	397	694	397	0
85°	0	790	1383	790	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 152030 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.8	3.7
10°-20°	56.8	14.2
20°-30°	106.4	26.7
30°-40°	124.2	31.1
40°-50°	81.0	20.3
50°-60°	15.0	3.8
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°	178.0	44.6
0°-40°	302.2	75.7
0°-60°	398.2	99.8
0°-90°	399.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	399.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	124	124	124	124	124	
5°	337	259	114	23	9	36
15°	604	439	43	1	0	180
25°	864	484	4	0	0	400
35°	941	329	0	0	0	577
45°	624	85	0	0	0	475
55°	57	0	0	0	0	99
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°	40°	45°	50°
0°	123.9	123.9	123.9	123.9	123.9	123.9	123.9	123.9	123.9	123.9	123.9
2.5°	218.5	220.3	216.7	215.2	210.6	211.7	203.8	200.6	195.5	187.3	183.4
5°	337.0	333.8	330.9	324.8	321.3	311.6	300.8	288.7	274.0	259.3	242.5
7.5°	421.5	419.0	418.0	412.9	405.8	395.8	381.8	366.4	347.4	327.7	302.3
10°	478.5	476.0	471.7	466.7	460.9	452.7	439.1	422.3	401.5	376.1	346.3
12.5°	515.7	515.4	508.2	502.5	495.3	488.2	474.2	460.6	440.2	414.0	380.4
15°	604.2	598.5	589.2	573.0	553.0	534.4	511.8	490.3	468.1	438.7	401.1
17.5°	714.5	708.1	692.3	671.9	639.7	604.2	565.5	531.5	498.2	458.4	414.0
20°	792.2	789.7	776.5	752.8	718.4	671.5	620.7	572.7	525.8	474.9	420.1
22.5°	842.0	840.6	835.2	819.1	784.0	731.3	665.8	601.3	544.7	485.3	418.3
25°	864.2	866.0	866.7	858.8	830.5	776.8	699.1	623.2	555.5	483.9	404.7
27.5°	880.0	880.0	882.8	879.3	850.6	794.0	712.0	630.7	551.9	466.3	376.1
30°	917.9	917.2	919.0	909.3	869.6	799.4	706.3	618.5	531.5	435.9	334.9
32.5°	934.4	935.1	934.8	919.4	873.2	795.8	692.3	595.2	493.9	388.2	280.4
35°	941.2	938.0	924.7	889.6	831.3	748.2	652.9	555.8	441.2	328.8	221.3
37.5°	918.6	909.3	880.0	832.0	760.7	680.8	587.7	485.3	371.4	257.9	166.5
40°	853.1	840.9	804.0	746.0	680.8	608.8	510.7	402.6	290.5	193.0	116.8
42.5°	760.3	746.4	706.6	656.1	596.7	521.1	423.3	315.2	212.7	133.2	74.1
45°	624.2	616.4	593.4	550.8	492.5	414.0	324.5	229.9	147.2	84.9	38.0
47.5°	482.8	472.8	456.3	426.9	378.2	303.7	227.1	156.2	94.6	41.9	7.9
50°	371.4	359.6	339.5	306.9	256.1	202.7	147.2	97.4	48.0	9.7	0.4
52.5°	213.8	216.3	206.7	185.9	157.6	121.4	85.2	49.1	10.7	0.4	0.0
55°	56.9	61.6	60.2	64.8	56.9	48.0	35.5	9.3	0.7	0.0	0.0
57.5°	0.0	0.0	0.4	0.7	2.1	3.2	1.1	0.4	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	0.4	0.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	123.9	123.9	123.9	123.9	123.9	123.9	123.9	123.9
2.5°	174.4	166.9	157.6	123.2	92.8	66.6	51.9	48.0
5°	226.3	208.1	184.4	114.2	57.3	22.9	10.4	8.6
7.5°	275.4	248.6	205.9	99.9	29.0	5.7	2.9	2.5
10°	313.4	277.2	221.7	81.7	10.7	2.1	1.8	1.8
12.5°	339.5	295.5	227.4	62.0	3.9	1.1	1.1	0.7
15°	354.6	302.6	222.1	42.6	1.4	0.7	0.0	0.0
17.5°	359.2	299.8	207.7	26.9	0.4	0.0	0.0	0.0
20°	355.3	285.8	185.2	15.8	0.0	0.0	0.0	0.0
22.5°	342.4	264.0	157.9	8.6	0.0	0.0	0.0	0.0
25°	318.4	233.2	126.1	3.9	0.0	0.0	0.0	0.0
27.5°	279.4	193.4	94.9	1.4	0.0	0.0	0.0	0.0
30°	234.9	150.8	67.3	0.4	0.0	0.0	0.0	0.0
32.5°	183.4	111.0	43.3	0.0	0.0	0.0	0.0	0.0
35°	137.9	77.7	25.8	0.0	0.0	0.0	0.0	0.0
37.5°	96.0	49.1	13.6	0.0	0.0	0.0	0.0	0.0
40°	59.8	26.5	4.7	0.0	0.0	0.0	0.0	0.0
42.5°	33.3	9.3	0.4	0.0	0.0	0.0	0.0	0.0
45°	7.9	0.7	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.4	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	0.4	0.0	0.0	0.0	0.0
60°	0.0	0.4	0.4	0.4	0.0	0.0	0.0	0.0
62.5°	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0
65°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
67.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
70°	0.4	0.4	0.4	0.7	0.4	0.0	0.0	0.0
72.5°	0.4	0.4	0.7	0.7	0.4	0.0	0.0	0.0
75°	0.4	0.4	0.7	0.7	0.4	0.0	0.0	0.0
77.5°	0.4	0.7	0.7	0.7	0.4	0.4	0.0	0.0
80°	0.4	0.7	0.7	0.7	0.7	0.4	0.0	0.0
82.5°	0.4	0.7	0.7	0.7	0.7	0.4	0.0	0.0
85°	0.4	0.7	0.7	0.7	0.4	0.4	0.0	0.0
87.5°	0.4	0.7	0.7	0.7	0.7	0.4	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)