

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: P1325142

Luminaire Tested: LDSQA3D05R45W2N902750DE010 3LSQCA30R 1MB_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325142
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: LDSQA3D05R45W2N902750DE010 3LSQCA30R 1MB_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R45 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

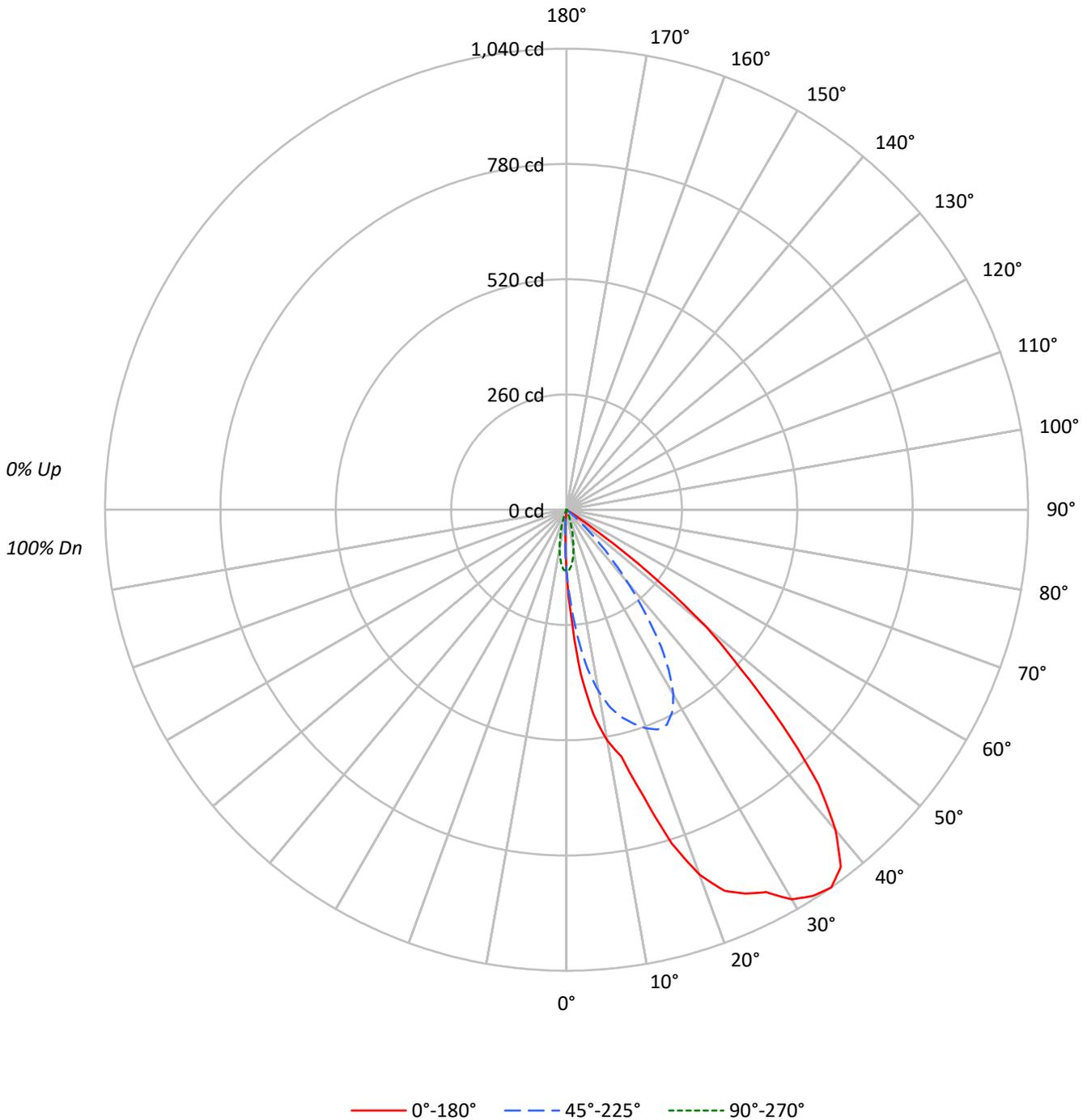
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 441.0 lumens
Efficiency: N/A
Efficacy: 74.7 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				
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	100	100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91	91	91	91
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82	82	82	82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74	74	74	74
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	76	72	68	67	67	67	67
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60	60	60	60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	54	54	54	54
7	75	64	57	52	74	63	56	51	62	56	51	61	55	51	59	54	51	49	49	49	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44	44	44	44
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40	40	40	40
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37	37	37	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	23595	23595	23595	23595	23595
5°	64398	49548	21835	4374	1642
10°	92494	72680	15792	420	350
15°	119067	86457	8398	143	0
20°	160476	96201	3189	0	0
25°	181513	101626	836	0	0
30°	201769	95794	80	0	0
35°	218718	76403	0	0	0
40°	211983	47977	0	0	0
45°	168056	22846	0	0	0
50°	109986	2867	0	0	0
55°	18886	0	0	0	0
60°	0	0	138	0	0
65°	0	163	163	0	0
70°	0	201	403	0	0
75°	0	266	532	0	0
80°	0	397	793	397	0
85°	0	790	1581	790	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 168056 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.3	3.7
10°-20°	62.8	14.2
20°-30°	117.6	26.7
30°-40°	137.3	31.1
40°-50°	89.5	20.3
50°-60°	16.6	3.8
60°-70°	0.2	0.0
70°-80°	0.3	0.1
80°-90°	0.4	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°	196.7	44.6
0°-40°	334.0	75.7
0°-60°	440.2	99.8
0°-90°	441.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	441.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	137	137	137	137	137	
5°	372	287	126	25	10	40
15°	668	485	47	1	0	199
25°	955	535	4	0	0	442
35°	1040	363	0	0	0	638
45°	690	94	0	0	0	525
55°	63	0	0	0	0	109
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°	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0
2.5°	241.5	243.4	239.5	237.9	232.8	233.9	225.2	221.7	216.1	207.0	202.7
5°	372.5	368.9	365.8	359.0	355.1	344.4	332.5	319.1	302.8	286.6	268.0
7.5°	465.9	463.1	462.0	456.4	448.5	437.4	422.0	405.0	384.0	362.2	334.1
10°	528.9	526.1	521.3	515.8	509.5	500.3	485.3	466.7	443.7	415.6	382.8
12.5°	570.0	569.6	561.7	555.4	547.5	539.5	524.1	509.1	486.5	457.6	420.4
15°	667.8	661.5	651.2	633.4	611.2	590.6	565.7	541.9	517.4	484.9	443.3
17.5°	789.7	782.6	765.2	742.6	707.0	667.8	625.0	587.4	550.6	506.7	457.6
20°	875.6	872.8	858.2	832.1	794.1	742.2	686.0	633.0	581.1	524.9	464.3
22.5°	930.6	929.1	923.1	905.3	866.5	808.3	735.9	664.6	602.1	536.4	462.3
25°	955.2	957.2	957.9	949.2	918.0	858.6	772.7	688.8	614.0	534.8	447.3
27.5°	972.6	972.6	975.8	971.8	940.1	877.6	786.9	697.1	610.0	515.4	415.6
30°	1014.6	1013.8	1015.7	1005.1	961.1	883.5	780.6	683.6	587.4	481.7	370.1
32.5°	1032.8	1033.6	1033.2	1016.1	965.1	879.6	765.2	657.9	545.9	429.1	309.9
35°	1040.3	1036.7	1022.1	983.3	918.8	826.9	721.6	614.4	487.7	363.4	244.6
37.5°	1015.3	1005.1	972.6	919.6	840.8	752.5	649.6	536.4	410.5	285.0	184.1
40°	942.9	929.4	888.7	824.5	752.5	672.9	564.5	444.9	321.0	213.4	129.0
42.5°	840.4	824.9	781.0	725.2	659.5	576.0	467.9	348.3	235.1	147.3	81.9
45°	690.0	681.3	655.9	608.8	544.3	457.6	358.6	254.1	162.7	93.8	42.0
47.5°	533.6	522.5	504.3	471.8	418.0	335.7	251.0	172.6	104.5	46.3	8.7
50°	410.5	397.4	375.3	339.2	283.0	224.0	162.7	107.7	53.0	10.7	0.4
52.5°	236.3	239.1	228.4	205.4	174.2	134.2	94.2	54.2	11.9	0.4	0.0
55°	62.9	68.1	66.5	71.6	62.9	53.0	39.2	10.3	0.8	0.0	0.0
57.5°	0.0	0.0	0.4	0.8	2.4	3.6	1.2	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°	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0
2.5°	192.8	184.5	174.2	136.2	102.5	73.6	57.4	53.0
5°	250.2	230.0	203.9	126.3	63.3	25.3	11.5	9.5
7.5°	304.4	274.7	227.6	110.4	32.1	6.3	3.2	2.8
10°	346.4	306.4	245.0	90.3	11.9	2.4	2.0	2.0
12.5°	375.3	326.6	251.4	68.5	4.4	1.2	1.2	0.8
15°	391.9	334.5	245.4	47.1	1.6	0.8	0.0	0.0
17.5°	397.0	331.3	229.6	29.7	0.4	0.0	0.0	0.0
20°	392.7	315.9	204.7	17.4	0.0	0.0	0.0	0.0
22.5°	378.4	291.7	174.6	9.5	0.0	0.0	0.0	0.0
25°	351.9	257.7	139.3	4.4	0.0	0.0	0.0	0.0
27.5°	308.8	213.8	104.9	1.6	0.0	0.0	0.0	0.0
30°	259.7	166.7	74.4	0.4	0.0	0.0	0.0	0.0
32.5°	202.7	122.7	47.9	0.0	0.0	0.0	0.0	0.0
35°	152.4	85.9	28.5	0.0	0.0	0.0	0.0	0.0
37.5°	106.1	54.2	15.0	0.0	0.0	0.0	0.0	0.0
40°	66.1	29.3	5.1	0.0	0.0	0.0	0.0	0.0
42.5°	36.8	10.3	0.4	0.0	0.0	0.0	0.0	0.0
45°	8.7	0.8	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	0.8	0.4	0.0	0.0	0.0
72.5°	0.4	0.4	0.8	0.8	0.4	0.0	0.0	0.0
75°	0.4	0.4	0.8	0.8	0.4	0.0	0.0	0.0
77.5°	0.4	0.8	0.8	0.8	0.4	0.4	0.0	0.0
80°	0.4	0.8	0.8	0.8	0.8	0.4	0.0	0.0
82.5°	0.4	0.8	0.8	0.8	0.8	0.4	0.0	0.0
85°	0.4	0.8	0.8	0.8	0.4	0.4	0.0	0.0
87.5°	0.4	0.8	0.8	0.8	0.8	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)