

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: P1327049

Luminaire Tested: LDSQA3D09R60W2N902750DE010 3LSQCA30R 1MMS_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327049
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R60W2N902750DE010 3LSQCA30R 1MMS_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R60 optic, 2700K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

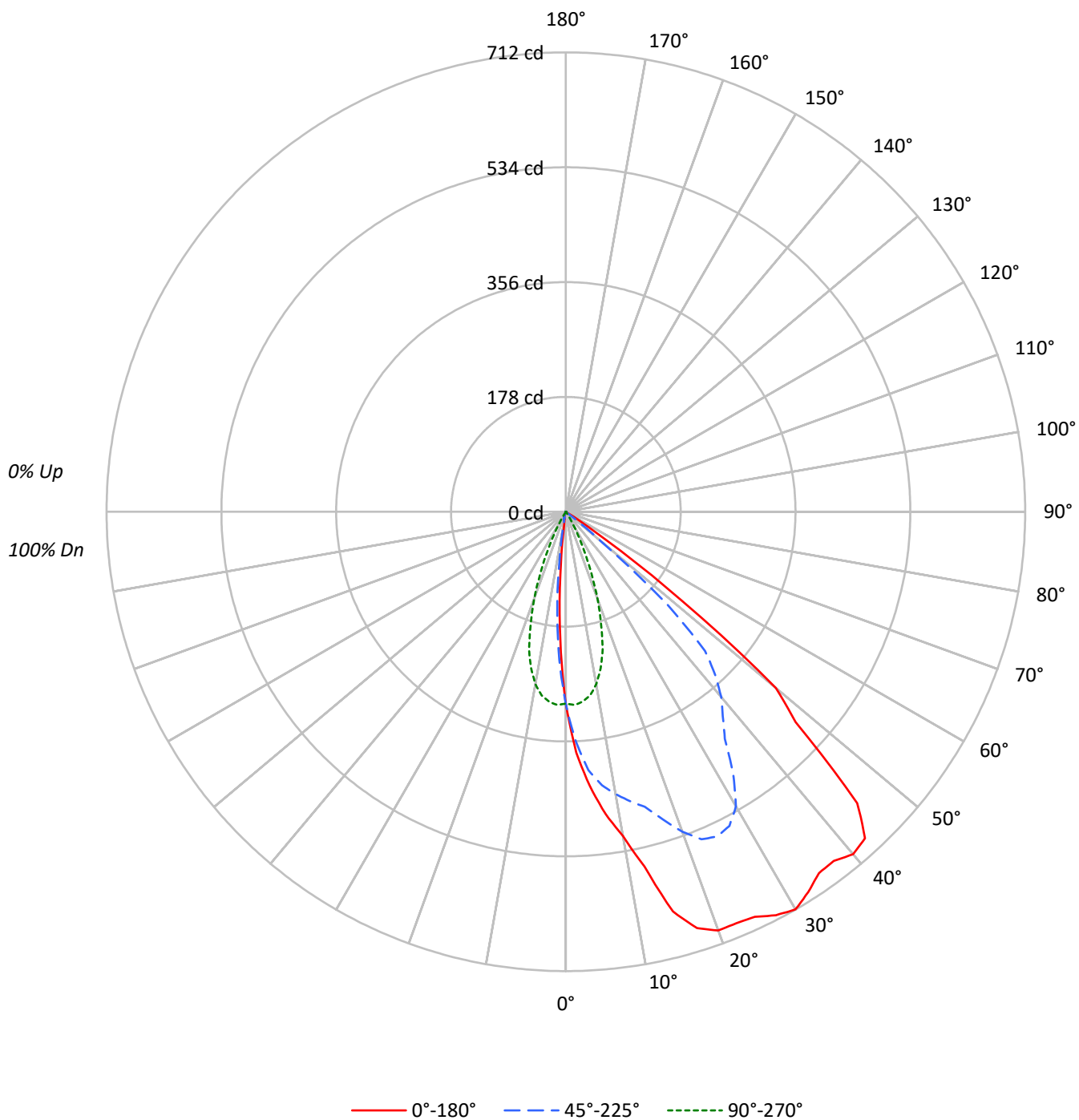
Lumens per Lamp: N/A
Luminaire Lumens: 482.9 lumens
Efficiency: N/A
Efficacy: 53.7 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	97	96	96	94	93	91		
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82		
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74		
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66		
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60		
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	51185	51185	51185	51185	51185
5°	73768	69481	51103	26330	16908
10°	89241	77681	47445	3148	1854
15°	114360	84388	39315	2068	1694
20°	126570	96714	26355	1155	202
25°	131631	105503	12960	95	0
30°	141533	104842	3580	0	0
35°	143745	90279	0	0	0
40°	155733	84173	0	0	0
45°	155586	74310	0	0	0
50°	113897	18005	0	0	0
55°	22219	0	0	0	0
60°	0	0	0	0	0
65°	0	204	204	0	0
70°	0	252	252	0	0
75°	0	333	333	0	0
80°	0	496	496	496	0
85°	0	988	988	988	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 155829 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.5	5.3
10°-20°	72.7	15.0
20°-30°	115.8	24.0
30°-40°	133.9	27.7
40°-50°	106.3	22.0
50°-60°	28.0	5.8
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°	214.0	44.3
0°-40°	347.9	72.0
0°-60°	482.2	99.8
0°-90°	482.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	482.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	297	297	297	297	297	
5°	427	402	296	152	98	43
15°	641	473	220	12	10	179
25°	693	555	68	0	0	323
35°	684	429	0	0	0	434
45°	639	305	0	0	0	455
55°	74	0	0	0	0	112
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	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°	297.2	297.2	297.2	297.2	297.2	297.2	297.2	297.2	297.2	297.2	297.2
2.5°	373.8	377.5	376.0	374.4	370.7	369.1	369.1	364.9	358.0	356.9	352.2
5°	426.7	427.8	427.8	426.7	424.1	419.8	418.8	414.6	408.2	401.9	395.5
7.5°	472.7	472.2	469.0	466.9	462.2	456.3	451.0	445.2	435.7	427.3	418.3
10°	510.3	511.9	509.2	503.9	497.6	489.6	481.2	471.1	456.9	444.2	432.5
12.5°	563.1	562.6	555.7	546.8	531.4	516.6	503.4	492.3	474.8	459.5	445.2
15°	641.4	640.3	634.0	626.1	603.9	581.7	558.9	527.7	498.6	473.3	453.2
17.5°	676.8	678.9	673.7	669.4	656.7	641.9	621.8	590.6	545.7	499.7	457.4
20°	690.6	693.2	689.5	689.0	683.2	676.3	659.9	626.1	582.2	527.7	475.4
22.5°	690.1	692.2	690.6	697.5	704.3	700.6	680.5	646.7	601.7	549.4	490.2
25°	692.7	691.1	685.3	695.3	705.4	702.2	692.2	663.1	613.9	555.2	495.5
27.5°	704.9	693.2	681.6	694.3	699.0	700.1	694.3	659.9	611.8	548.9	484.9
30°	711.7	699.0	689.5	700.1	700.1	705.9	693.8	654.6	593.8	527.2	456.9
32.5°	699.0	696.4	704.9	715.4	718.1	718.1	691.1	637.2	563.7	482.8	411.9
35°	683.7	690.1	714.4	719.1	719.1	707.5	674.7	606.5	518.7	429.4	378.6
37.5°	682.1	692.2	719.1	713.3	703.8	682.1	634.5	553.1	454.7	399.2	353.8
40°	692.7	702.2	718.1	696.9	674.2	640.3	583.2	483.3	416.1	374.4	323.6
42.5°	686.4	695.3	695.9	664.7	632.4	586.4	510.8	426.7	388.1	342.6	289.2
45°	638.8	639.8	637.7	604.4	571.1	523.5	443.1	398.7	357.5	305.1	212.6
47.5°	482.8	480.7	488.6	479.1	480.7	452.1	402.4	365.9	316.7	214.2	64.5
50°	425.1	422.5	414.6	406.1	397.6	383.9	360.6	321.5	228.4	67.2	2.1
52.5°	227.9	240.6	265.4	303.5	317.8	316.7	299.3	237.9	71.9	0.5	0.0
55°	74.0	73.0	81.4	96.2	132.2	152.3	158.6	80.9	1.6	0.0	0.0
57.5°	0.0	0.0	0.0	1.6	5.3	13.7	18.0	1.1	0.0	0.5	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
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°	297.2	297.2	297.2	297.2	297.2	297.2	297.2	297.2
2.5°	345.8	338.4	330.0	299.8	264.4	230.0	205.2	198.8
5°	385.5	372.8	354.8	295.6	218.4	152.3	108.9	97.8
7.5°	406.1	395.0	376.0	287.1	169.2	75.1	28.0	19.0
10°	418.8	405.6	384.4	271.3	110.5	18.0	10.0	10.6
12.5°	427.8	412.4	388.7	248.5	56.1	9.0	12.7	13.2
15°	431.5	415.1	388.1	220.5	20.1	11.6	11.1	9.5
17.5°	429.4	408.7	381.2	180.3	6.9	11.1	5.8	4.8
20°	426.7	403.5	370.1	143.8	5.8	6.3	2.1	1.1
22.5°	435.2	394.5	354.8	103.1	5.8	2.1	0.0	0.0
25°	436.2	390.8	335.2	68.2	2.6	0.5	0.0	0.0
27.5°	425.7	369.1	305.1	40.2	0.0	0.0	0.0	0.0
30°	391.8	342.1	272.8	18.0	0.0	0.0	0.0	0.0
32.5°	358.5	312.0	236.9	4.2	0.0	0.0	0.0	0.0
35°	332.1	280.8	197.2	0.0	0.0	0.0	0.0	0.0
37.5°	299.3	243.8	147.0	0.0	0.0	0.0	0.0	0.0
40°	264.9	196.7	73.5	0.0	0.0	0.0	0.0	0.0
42.5°	206.8	93.6	7.4	0.0	0.0	0.0	0.0	0.0
45°	79.3	8.5	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	4.2	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	0.0	0.0	0.0	0.0	0.0
60°	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0
65°	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0
67.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
70°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
72.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
75°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
77.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0
82.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)