

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: P1327163

Luminaire Tested: LDSQA3D09R65W2N902765DE010 3LSQCA30R 1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327163
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-68)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R65W2N902765DE010 3LSQCA30R 1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R65 optic, 2700K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

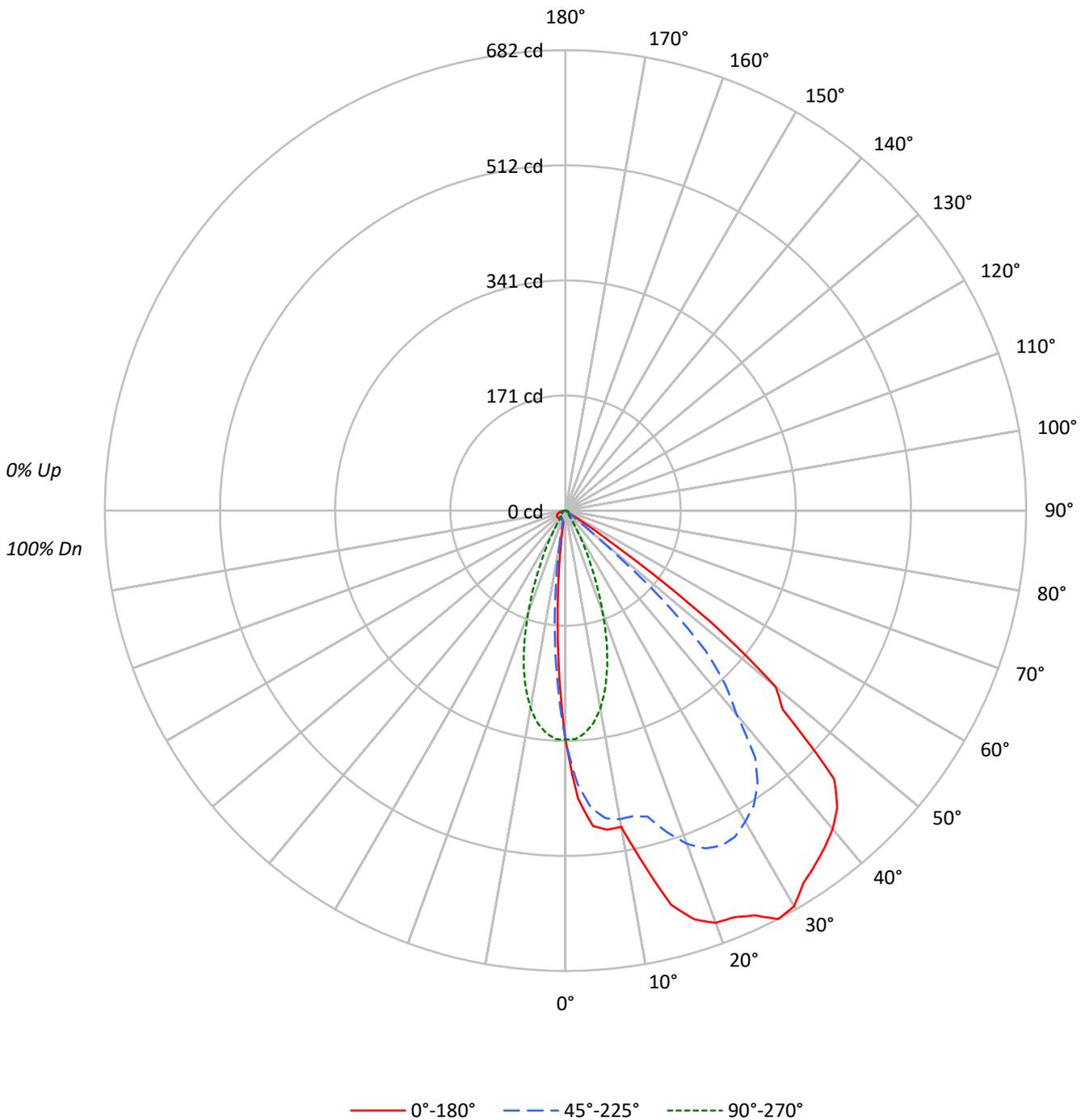
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 508.0 lumens
Efficiency: N/A
Efficacy: 56.4 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22
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	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	102	102	102	100	
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90	
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	88	85	83	81	
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	81	77	74	72	
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	74	70	67	65	
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	64	60	58	
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	63	58	54	53	
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	58	53	49	48	
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	54	49	45	43	
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	45	41	40	
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	47	42	38	36	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	58366	58366	58366	58366	58366
5°	81133	76569	57137	31395	22094
10°	83190	81144	51974	8779	3235
15°	107781	83675	42542	2817	2728
20°	119111	96275	29599	2511	2621
25°	125703	104021	16760	2413	2603
30°	134592	105816	7557	2406	2724
35°	135082	104218	2439	2544	3007
40°	138377	88534	1664	2720	3327
45°	137075	71363	1681	2947	3605
50°	108780	16826	1688	3242	4099
55°	25852	961	1742	3633	4594
60°	896	1102	1998	3823	4926
65°	1060	1060	1956	4075	5379
70°	806	1057	1863	3978	5589
75°	732	1065	1730	4192	5590
80°	496	1091	2083	4166	5752
85°	988	2174	2174	4150	5138

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°
 Vertical Angle: 45°
 Luminance: 137319 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.3	5.6
10°-20°	74.5	14.7
20°-30°	117.0	23.0
30°-40°	133.8	26.3
40°-50°	107.6	21.2
50°-60°	35.0	6.9
60°-70°	6.2	1.2
70°-80°	4.1	0.8
80°-90°	1.5	0.3
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°	219.8	43.3
0°-40°	353.6	69.6
0°-60°	496.2	97.7
0°-90°	508.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	508.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	339	339	339	339	339	
5°	469	443	330	182	128	44
15°	604	469	239	16	15	168
25°	662	547	88	13	14	308
35°	642	496	12	12	14	403
45°	563	293	7	12	15	405
55°	86	3	6	12	15	123
65°	3	3	5	10	13	2
75°	1	2	3	6	8	1
85°	0	1	1	2	3	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°	338.9	338.9	338.9	338.9	338.9	338.9	338.9	338.9	338.9	338.9	338.9
2.5°	426.6	425.0	427.1	423.4	422.9	419.2	417.1	416.0	411.2	404.9	399.1
5°	469.3	463.0	464.6	464.0	461.4	459.8	457.7	455.1	448.7	442.9	435.5
7.5°	476.7	471.4	472.5	473.0	471.4	470.9	470.4	469.3	465.1	459.8	453.5
10°	475.7	470.4	469.8	468.3	466.7	467.2	467.2	467.2	466.1	464.0	461.9
12.5°	536.9	529.5	527.9	516.8	506.8	489.4	478.3	467.7	463.0	463.5	461.9
15°	604.5	603.9	598.7	588.1	571.2	555.4	530.0	511.0	486.7	469.3	461.9
17.5°	635.1	634.6	629.8	620.8	608.7	593.9	575.4	553.3	526.3	499.4	477.2
20°	649.9	653.6	648.3	640.9	629.3	615.5	598.1	578.1	552.7	525.3	498.9
22.5°	652.0	656.7	652.0	646.7	638.2	629.3	614.5	593.9	568.0	541.6	515.8
25°	661.5	663.1	653.0	646.2	638.2	631.9	620.3	602.4	576.0	547.4	522.1
27.5°	682.1	675.2	654.1	644.6	637.2	631.4	620.3	601.8	573.3	544.3	517.9
30°	676.8	674.1	655.7	646.7	640.4	634.6	620.8	597.1	562.8	532.1	504.7
32.5°	655.1	660.4	654.1	650.9	647.8	640.4	620.3	588.1	549.6	518.4	481.5
35°	642.5	648.8	649.3	649.3	645.6	634.6	610.8	574.9	536.4	495.7	446.1
37.5°	629.8	635.1	638.2	640.4	635.1	619.2	589.2	557.0	514.7	461.4	374.3
40°	615.5	619.2	621.9	622.9	615.0	594.4	567.0	530.6	483.0	393.8	334.2
42.5°	595.5	597.6	597.1	596.5	588.1	565.4	539.5	501.5	407.6	351.1	278.7
45°	562.8	560.6	563.8	563.8	552.7	535.8	501.5	427.6	364.8	293.0	179.5
47.5°	436.1	437.6	453.0	477.8	493.1	488.3	441.9	374.3	306.7	192.2	59.7
50°	406.0	404.4	404.9	407.6	409.1	395.9	362.7	316.2	202.7	62.8	4.2
52.5°	272.4	274.0	286.1	314.1	323.1	313.6	281.9	211.2	73.9	4.2	3.7
55°	86.1	91.9	98.7	113.5	139.4	155.7	152.6	75.0	4.8	3.2	3.7
57.5°	3.2	3.2	4.2	7.4	14.3	23.2	24.3	4.8	3.7	3.7	3.7
60°	2.6	2.6	2.6	2.6	2.6	2.6	3.2	3.2	3.2	3.2	3.2
62.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.2	3.2	3.2	3.2
65°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.2
67.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.6	2.6	2.6	2.6
70°	1.6	1.6	1.6	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.6
72.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.1	2.1	2.1
75°	1.1	1.1	1.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.6	1.6	1.6
80°	0.5	0.5	0.5	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.6
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1	1.1
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.5	0.5	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°	338.9	338.9	338.9	338.9	338.9	338.9	338.9	338.9
2.5°	395.9	389.6	376.9	338.9	299.3	259.7	234.9	228.6
5°	427.1	419.7	401.7	330.5	250.2	181.6	142.5	127.8
7.5°	446.1	437.1	416.0	317.3	194.8	105.6	63.3	50.7
10°	454.5	446.6	422.9	297.2	141.0	50.2	22.2	18.5
12.5°	458.2	451.9	425.5	270.8	91.9	22.2	16.4	15.8
15°	459.8	453.0	424.4	238.6	52.3	15.8	15.3	15.3
17.5°	461.4	453.5	418.1	201.7	29.0	14.8	14.3	14.8
20°	474.1	451.4	407.0	161.5	19.0	13.7	13.7	14.3
22.5°	486.7	450.8	387.5	123.5	14.8	13.2	13.7	13.7
25°	491.0	445.6	362.7	88.2	12.7	12.7	13.2	13.7
27.5°	483.0	430.3	329.4	59.7	11.1	12.7	13.2	13.7
30°	464.6	404.4	289.3	38.0	10.6	12.1	13.2	13.7
32.5°	430.3	353.2	244.4	22.7	10.0	12.1	13.7	13.7
35°	361.6	296.2	193.7	11.6	10.0	12.1	13.7	14.3
37.5°	316.2	247.1	135.1	7.9	10.0	12.1	13.7	14.3
40°	262.4	178.4	56.5	7.4	10.0	12.1	13.7	14.8
42.5°	181.6	77.6	9.0	6.9	9.5	12.1	14.3	14.8
45°	65.5	10.0	4.2	6.9	9.5	12.1	14.3	14.8
47.5°	5.8	3.7	4.2	6.9	9.5	12.1	14.3	15.3
50°	3.7	3.7	3.7	6.3	9.5	12.1	14.3	15.3
52.5°	3.7	3.7	3.7	6.3	9.0	12.1	14.8	15.3
55°	3.7	3.7	3.7	5.8	9.0	12.1	14.3	15.3
57.5°	3.7	3.7	4.2	5.8	9.0	11.6	14.3	14.8
60°	3.7	3.7	3.7	5.8	8.4	11.1	13.7	14.3
62.5°	3.2	3.7	3.7	5.3	7.9	10.6	13.2	13.7
65°	3.2	3.2	3.7	4.8	7.4	10.0	12.1	13.2
67.5°	2.6	3.2	3.2	4.2	6.3	9.0	11.1	12.1
70°	2.6	2.6	2.6	3.7	5.8	7.9	10.6	11.1
72.5°	2.1	2.6	2.6	3.2	4.8	6.9	9.0	10.0
75°	2.1	2.1	2.1	2.6	4.2	6.3	7.9	8.4
77.5°	1.6	1.6	2.1	2.1	3.7	4.8	6.9	7.4
80°	1.6	1.6	1.6	2.1	2.6	4.2	5.3	5.8
82.5°	1.1	1.1	1.1	1.6	2.1	2.6	3.7	4.2
85°	1.1	1.1	1.1	1.1	1.6	2.1	2.6	2.6
87.5°	0.5	0.5	0.5	1.1	1.1	1.1	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)