

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: P1327167

Luminaire Tested: LDSQA3D09R65W2N902765DE010 3LSQCA30R 1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327167
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_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R65 optic, 5000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

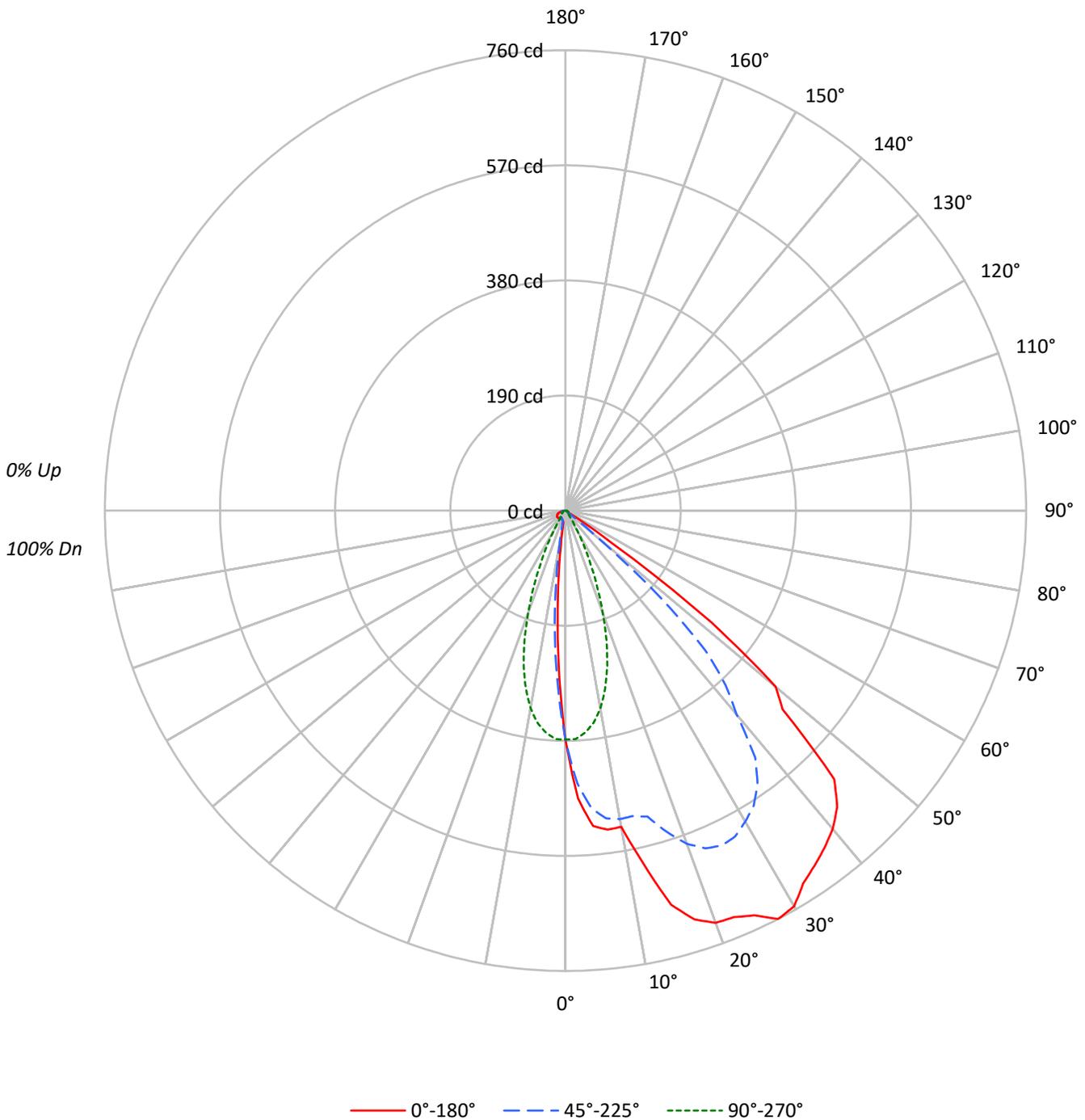
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 566.0 lumens
Efficiency: N/A
Efficacy: 62.9 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	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	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	65031	65031	65031	65031	65031
5°	90399	85317	63655	34974	24601
10°	92686	90413	57920	9776	3603
15°	120084	93232	47409	3138	3049
20°	132710	107253	32990	2804	2914
25°	140050	115916	18661	2679	2907
30°	149965	117907	8412	2685	3043
35°	150493	116118	2712	2838	3343
40°	154182	98651	1844	3035	3710
45°	152712	79498	1851	3288	4019
50°	121185	18755	1902	3617	4582
55°	28795	1051	1952	4054	5134
60°	999	1206	2239	4271	5477
65°	1182	1182	2160	4564	5990
70°	906	1209	2065	4431	6244
75°	799	1198	1930	4724	6255
80°	595	1190	2380	4661	6447
85°	1186	2371	2371	4742	5730

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°
 Vertical Angle: 45°
 Luminance: 153004 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.5	5.6
10°-20°	83.0	14.7
20°-30°	130.4	23.0
30°-40°	149.1	26.3
40°-50°	119.9	21.2
50°-60°	39.0	6.9
60°-70°	6.9	1.2
70°-80°	4.6	0.8
80°-90°	1.7	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°	244.9	43.3
0°-40°	394.0	69.6
0°-60°	552.9	97.7
0°-90°	566.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	566.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	378	378	378	378	378	
5°	523	494	368	202	142	49
15°	674	523	266	18	17	188
25°	737	610	98	14	15	343
35°	716	552	13	14	16	450
45°	627	326	8	14	16	451
55°	96	4	6	14	17	137
65°	3	3	5	11	15	3
75°	1	2	3	7	9	1
85°	1	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°	377.6	377.6	377.6	377.6	377.6	377.6	377.6	377.6	377.6	377.6	377.6
2.5°	475.3	473.5	475.8	471.7	471.1	467.0	464.7	463.5	458.2	451.1	444.7
5°	522.9	515.8	517.6	517.0	514.1	512.3	510.0	507.0	500.0	493.5	485.3
7.5°	531.1	525.3	526.4	527.0	525.3	524.7	524.1	522.9	518.2	512.3	505.3
10°	530.0	524.1	523.5	521.7	520.0	520.5	520.5	520.5	519.4	517.0	514.7
12.5°	598.2	590.0	588.2	575.8	564.7	545.3	532.9	521.1	515.8	516.4	514.7
15°	673.5	672.9	667.0	655.2	636.4	618.8	590.5	569.4	542.3	522.9	514.7
17.5°	707.6	707.0	701.7	691.7	678.2	661.7	641.1	616.4	586.4	556.4	531.7
20°	724.1	728.2	722.3	714.1	701.1	685.8	666.4	644.1	615.8	585.2	555.8
22.5°	726.4	731.7	726.4	720.5	711.1	701.1	684.7	661.7	632.9	603.5	574.7
25°	737.0	738.8	727.6	719.9	711.1	704.1	691.1	671.1	641.7	610.0	581.7
27.5°	759.9	752.3	728.8	718.2	709.9	703.5	691.1	670.5	638.8	606.4	577.0
30°	754.1	751.1	730.5	720.5	713.5	707.0	691.7	665.2	627.0	592.9	562.3
32.5°	729.9	735.8	728.8	725.2	721.7	713.5	691.1	655.2	612.3	577.6	536.4
35°	715.8	722.9	723.5	723.5	719.4	707.0	680.5	640.5	597.6	552.3	497.0
37.5°	701.7	707.6	711.1	713.5	707.6	689.9	656.4	620.5	573.5	514.1	417.0
40°	685.8	689.9	692.9	694.1	685.2	662.3	631.7	591.1	538.2	438.8	372.3
42.5°	663.5	665.8	665.2	664.7	655.2	630.0	601.1	558.8	454.1	391.1	310.6
45°	627.0	624.7	628.2	628.2	615.8	597.0	558.8	476.4	406.4	326.4	200.0
47.5°	485.8	487.6	504.7	532.3	549.4	544.1	492.3	417.0	341.7	214.1	66.5
50°	452.3	450.6	451.1	454.1	455.8	441.1	404.1	352.3	225.9	70.0	4.7
52.5°	303.5	305.3	318.8	350.0	360.0	349.4	314.1	235.3	82.3	4.7	4.1
55°	95.9	102.3	110.0	126.5	155.3	173.5	170.0	83.5	5.3	3.5	4.1
57.5°	3.5	3.5	4.7	8.2	15.9	25.9	27.1	5.3	4.1	4.1	4.1
60°	2.9	2.9	2.9	2.9	2.9	2.9	3.5	3.5	3.5	3.5	3.5
62.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.5	3.5	3.5	3.5
65°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.5
67.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.9	2.9	2.9	2.9
70°	1.8	1.8	1.8	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.9
72.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.4	2.4	2.4
75°	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
77.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.8	1.8	1.8
80°	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.8
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2
85°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6
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°	377.6	377.6	377.6	377.6	377.6	377.6	377.6	377.6
2.5°	441.1	434.1	420.0	377.6	333.5	289.4	261.7	254.7
5°	475.8	467.6	447.6	368.2	278.8	202.3	158.8	142.3
7.5°	497.0	487.0	463.5	353.5	217.0	117.6	70.6	56.5
10°	506.4	497.6	471.1	331.2	157.0	55.9	24.7	20.6
12.5°	510.5	503.5	474.1	301.7	102.3	24.7	18.2	17.6
15°	512.3	504.7	472.9	265.9	58.2	17.6	17.1	17.1
17.5°	514.1	505.3	465.8	224.7	32.4	16.5	15.9	16.5
20°	528.2	502.9	453.5	180.0	21.2	15.3	15.3	15.9
22.5°	542.3	502.3	431.7	137.6	16.5	14.7	15.3	15.3
25°	547.0	496.4	404.1	98.2	14.1	14.1	14.7	15.3
27.5°	538.2	479.4	367.0	66.5	12.4	14.1	14.7	15.3
30°	517.6	450.6	322.3	42.3	11.8	13.5	14.7	15.3
32.5°	479.4	393.5	272.3	25.3	11.2	13.5	15.3	15.3
35°	402.9	330.0	215.9	12.9	11.2	13.5	15.3	15.9
37.5°	352.3	275.3	150.6	8.8	11.2	13.5	15.3	15.9
40°	292.3	198.8	62.9	8.2	11.2	13.5	15.3	16.5
42.5°	202.3	86.5	10.0	7.6	10.6	13.5	15.9	16.5
45°	72.9	11.2	4.7	7.6	10.6	13.5	15.9	16.5
47.5°	6.5	4.1	4.7	7.6	10.6	13.5	15.9	17.1
50°	4.1	4.1	4.1	7.1	10.6	13.5	15.9	17.1
52.5°	4.1	4.1	4.1	7.1	10.0	13.5	16.5	17.1
55°	4.1	4.1	4.1	6.5	10.0	13.5	15.9	17.1
57.5°	4.1	4.1	4.7	6.5	10.0	12.9	15.9	16.5
60°	4.1	4.1	4.1	6.5	9.4	12.4	15.3	15.9
62.5°	3.5	4.1	4.1	5.9	8.8	11.8	14.7	15.3
65°	3.5	3.5	4.1	5.3	8.2	11.2	13.5	14.7
67.5°	2.9	3.5	3.5	4.7	7.1	10.0	12.4	13.5
70°	2.9	2.9	2.9	4.1	6.5	8.8	11.8	12.4
72.5°	2.4	2.9	2.9	3.5	5.3	7.6	10.0	11.2
75°	2.4	2.4	2.4	2.9	4.7	7.1	8.8	9.4
77.5°	1.8	1.8	2.4	2.4	4.1	5.3	7.6	8.2
80°	1.8	1.8	1.8	2.4	2.9	4.7	5.9	6.5
82.5°	1.2	1.2	1.2	1.8	2.4	2.9	4.1	4.7
85°	1.2	1.2	1.2	1.2	1.8	2.4	2.9	2.9
87.5°	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)