

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: P1327002

Luminaire Tested: LDSQA3D09R55W2N902765DE010 3LSQCA30R 1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327002
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-66)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R55W2N902765DE010 3LSQCA30R 1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 2700K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

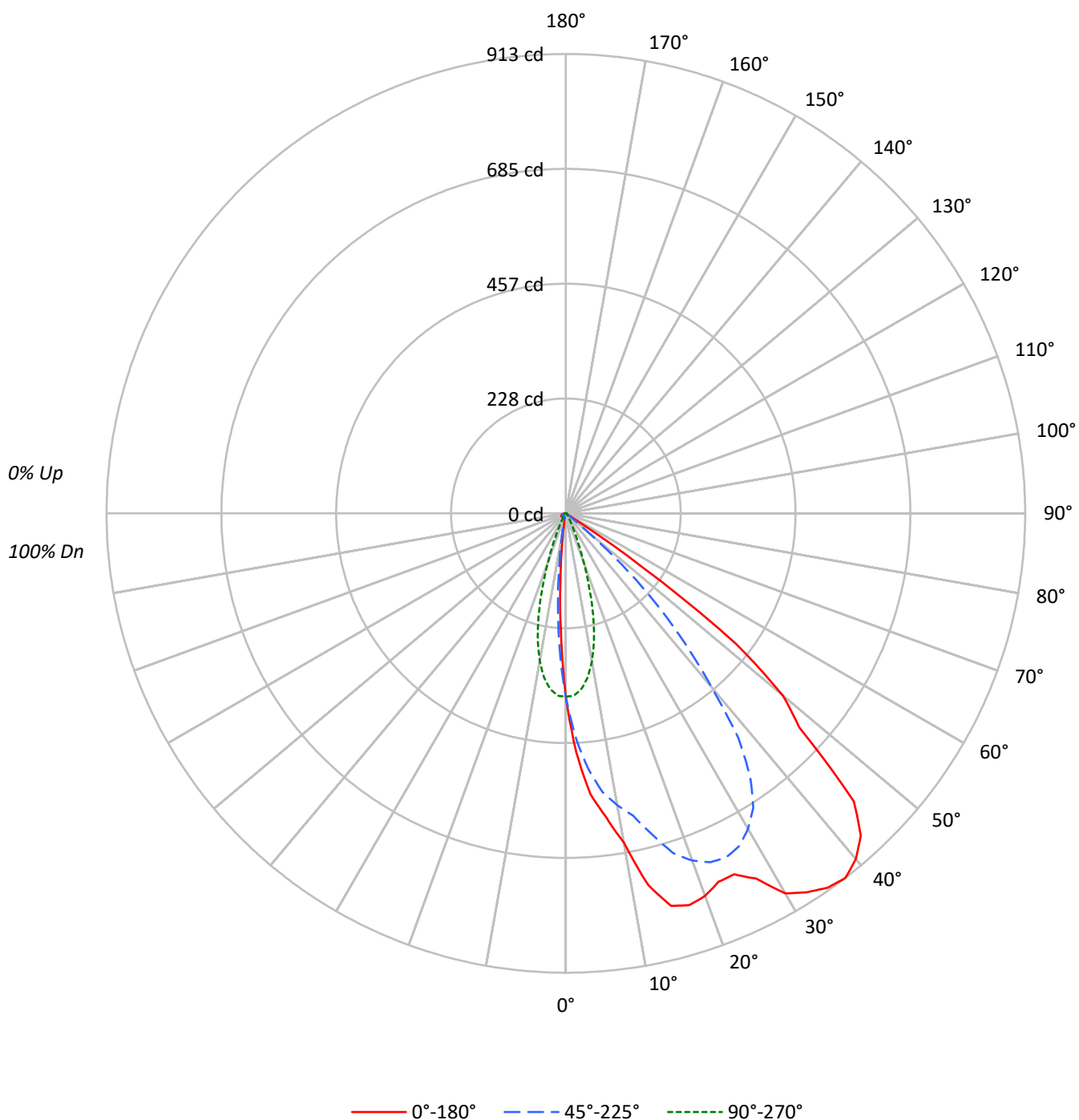
Lumens per Lamp: N/A
Luminaire Lumens: 608.0 lumens
Efficiency: N/A
Efficacy: 67.6 lumens/watt
Spacing Criteria (0/90/45): 1.79 / 0.55 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30
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	110	107	104	102	103	100	98	99	97	95	95	94	93	91	
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	81	
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	73	
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	65	
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59	
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	53	
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48	
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	44	
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40	
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	37	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	62758	62758	62758	62758	62758
5°	96779	88117	60629	31136	20452
10°	116277	102987	52184	7852	3148
15°	143976	117605	37282	2157	1694
20°	148288	134543	19262	1448	1448
25°	150444	143318	7734	1311	1501
30°	173411	143999	3361	1372	1571
35°	190881	134241	1451	1451	1787
40°	201619	101034	832	1664	1911
45°	197186	61742	779	1802	2314
50°	150845	13155	857	2117	2679
55°	55338	480	961	2372	3003
60°	551	551	1102	2721	3444
65°	652	652	1304	2812	3668
70°	554	806	1309	3172	4280
75°	333	732	1397	3527	4924
80°	496	1091	1587	3670	5256
85°	0	988	2174	4150	5138

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 197186 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.1	5.3
10°-20°	91.9	15.1
20°-30°	140.9	23.2
30°-40°	164.2	27.0
40°-50°	131.2	21.6
50°-60°	38.8	6.4
60°-70°	4.2	0.7
70°-80°	3.3	0.5
80°-90°	1.4	0.2
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°	264.9	43.6
0°-40°	429.1	70.6
0°-60°	599.2	98.5
0°-90°	608.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	608.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	364	364	364	364	364	
5°	560	510	351	180	118	56
15°	808	660	209	12	10	223
25°	792	754	41	7	8	376
35°	908	638	7	7	8	565
45°	810	254	3	7	10	584
55°	184	2	3	8	10	195
65°	2	2	3	7	9	1
75°	0	1	2	5	7	1
85°	0	0	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°	364.4	364.4	364.4	364.4	364.4	364.4	364.4	364.4	364.4	364.4	364.4
2.5°	475.3	475.3	473.7	474.3	473.2	467.4	466.3	459.0	452.6	445.7	439.9
5°	559.8	560.9	559.3	556.1	551.9	547.7	538.7	531.8	522.9	509.7	497.5
7.5°	607.9	606.8	604.2	603.1	600.5	595.7	589.4	582.0	571.4	558.2	544.0
10°	664.9	655.9	653.3	649.1	640.6	631.1	620.0	610.0	601.0	588.9	573.6
12.5°	756.8	755.2	744.7	736.8	725.1	704.0	685.0	662.8	636.4	615.3	595.2
15°	807.5	808.6	803.8	797.5	790.1	772.7	753.7	727.8	696.6	659.6	626.9
17.5°	816.5	818.1	815.4	812.8	810.7	800.7	789.0	770.6	742.0	707.7	659.1
20°	809.1	812.3	812.8	816.0	820.2	816.0	806.5	793.8	770.0	734.1	687.6
22.5°	792.7	798.5	802.8	813.9	824.9	824.9	819.1	809.1	785.9	750.5	702.9
25°	791.7	792.7	794.3	812.3	829.7	833.4	828.1	817.6	792.2	754.2	702.4
27.5°	818.1	811.2	800.7	818.6	839.2	842.4	835.0	820.7	790.6	745.7	684.5
30°	872.0	856.6	834.5	847.7	861.9	858.2	843.4	820.7	780.1	724.1	650.7
32.5°	892.6	884.1	876.2	890.4	893.1	877.8	851.4	817.6	763.2	693.4	595.2
35°	907.9	908.4	905.2	907.9	895.2	873.5	844.5	800.1	731.5	638.5	521.8
37.5°	913.1	914.2	907.3	897.8	878.8	854.0	819.1	768.4	678.7	563.0	410.9
40°	896.8	893.6	882.5	869.3	848.7	823.4	785.3	709.8	600.0	449.4	320.6
42.5°	867.7	862.4	849.2	833.4	811.7	779.5	718.8	627.4	487.5	350.7	224.5
45°	809.6	805.9	789.6	777.9	752.1	710.3	632.2	517.0	377.1	253.5	129.9
47.5°	629.0	629.5	642.2	648.0	639.0	605.8	513.9	392.9	275.2	151.0	43.8
50°	563.0	560.4	547.7	530.2	501.2	451.6	377.1	277.8	162.7	49.1	6.3
52.5°	427.3	427.3	420.9	411.9	381.3	333.3	255.1	153.7	57.0	8.5	1.6
55°	184.3	174.8	180.1	190.1	182.2	158.4	119.4	45.9	10.0	1.6	1.6
57.5°	2.6	6.3	9.5	15.3	20.6	24.8	13.2	4.8	1.6	1.6	1.6
60°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
62.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
65°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
67.5°	1.1	1.1	1.1	1.6	1.1	1.6	1.6	1.6	1.6	1.6	1.6
70°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.6	1.6
72.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
75°	0.5	0.5	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
77.5°	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1	1.1	1.1	1.1
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1	1.1
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	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°	364.4	364.4	364.4	364.4	364.4	364.4	364.4	364.4
2.5°	431.5	422.5	407.7	362.8	316.4	273.6	242.9	231.3
5°	483.8	467.4	442.6	350.7	258.3	180.1	135.7	118.3
7.5°	525.0	503.8	467.9	329.6	189.6	96.1	57.6	45.4
10°	552.4	529.2	482.2	298.4	125.7	44.9	21.7	18.0
12.5°	572.5	543.5	487.5	258.3	73.9	20.6	11.6	10.6
15°	587.3	549.8	481.1	209.1	40.7	12.1	9.5	9.5
17.5°	607.9	553.0	465.8	154.2	23.2	9.0	9.0	9.0
20°	623.7	553.0	436.8	105.1	14.3	7.9	7.9	7.9
22.5°	631.7	544.5	401.4	66.5	10.0	7.4	7.9	7.9
25°	623.7	523.9	356.0	40.7	7.9	6.9	7.4	7.9
27.5°	594.7	482.7	295.2	25.9	6.3	6.9	7.4	7.9
30°	546.1	423.0	226.6	16.9	5.8	6.9	7.4	7.9
32.5°	477.4	334.3	146.8	11.1	5.3	6.9	7.4	7.9
35°	372.9	236.6	88.7	6.9	5.3	6.9	7.9	8.5
37.5°	279.4	157.9	48.1	4.2	5.3	6.9	7.9	8.5
40°	193.8	91.9	20.6	3.7	5.3	7.4	8.5	8.5
42.5°	112.5	36.4	5.3	3.2	5.3	7.4	8.5	9.0
45°	41.2	7.4	1.6	3.2	5.8	7.4	8.5	9.5
47.5°	5.8	1.6	1.6	3.2	5.8	7.4	9.0	9.5
50°	1.6	1.6	1.6	3.2	5.8	7.9	9.5	10.0
52.5°	1.6	1.6	1.6	3.2	5.8	7.9	9.5	10.0
55°	1.6	1.6	1.6	3.2	5.8	7.9	9.5	10.0
57.5°	1.6	1.6	1.6	3.2	5.8	7.9	9.5	10.0
60°	1.6	1.6	1.6	3.2	5.3	7.9	9.5	10.0
62.5°	1.6	1.6	1.6	3.2	5.3	7.4	9.0	9.5
65°	1.6	1.6	1.6	3.2	4.8	6.9	9.0	9.0
67.5°	1.6	1.6	1.6	2.6	4.8	6.9	8.5	9.0
70°	1.6	1.6	1.6	2.6	4.2	6.3	7.9	8.5
72.5°	1.6	1.6	1.6	2.1	3.7	5.8	7.4	7.9
75°	1.1	1.6	1.6	2.1	3.7	5.3	6.9	7.4
77.5°	1.1	1.6	1.6	1.6	3.2	4.2	5.8	6.3
80°	1.1	1.1	1.6	1.6	2.6	3.7	4.8	5.3
82.5°	1.1	1.1	1.1	1.6	2.1	2.6	3.7	3.7
85°	1.1	1.1	1.1	1.1	1.6	2.1	2.6	2.6
87.5°	0.5	0.5	1.1	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)