

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: P1327101

Luminaire Tested: LDSQA3D09R60W2N902765DE010 3LSQCA30R 1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327101
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R60W2N902765DE010 3LSQCA30R 1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R60 optic, 2700K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

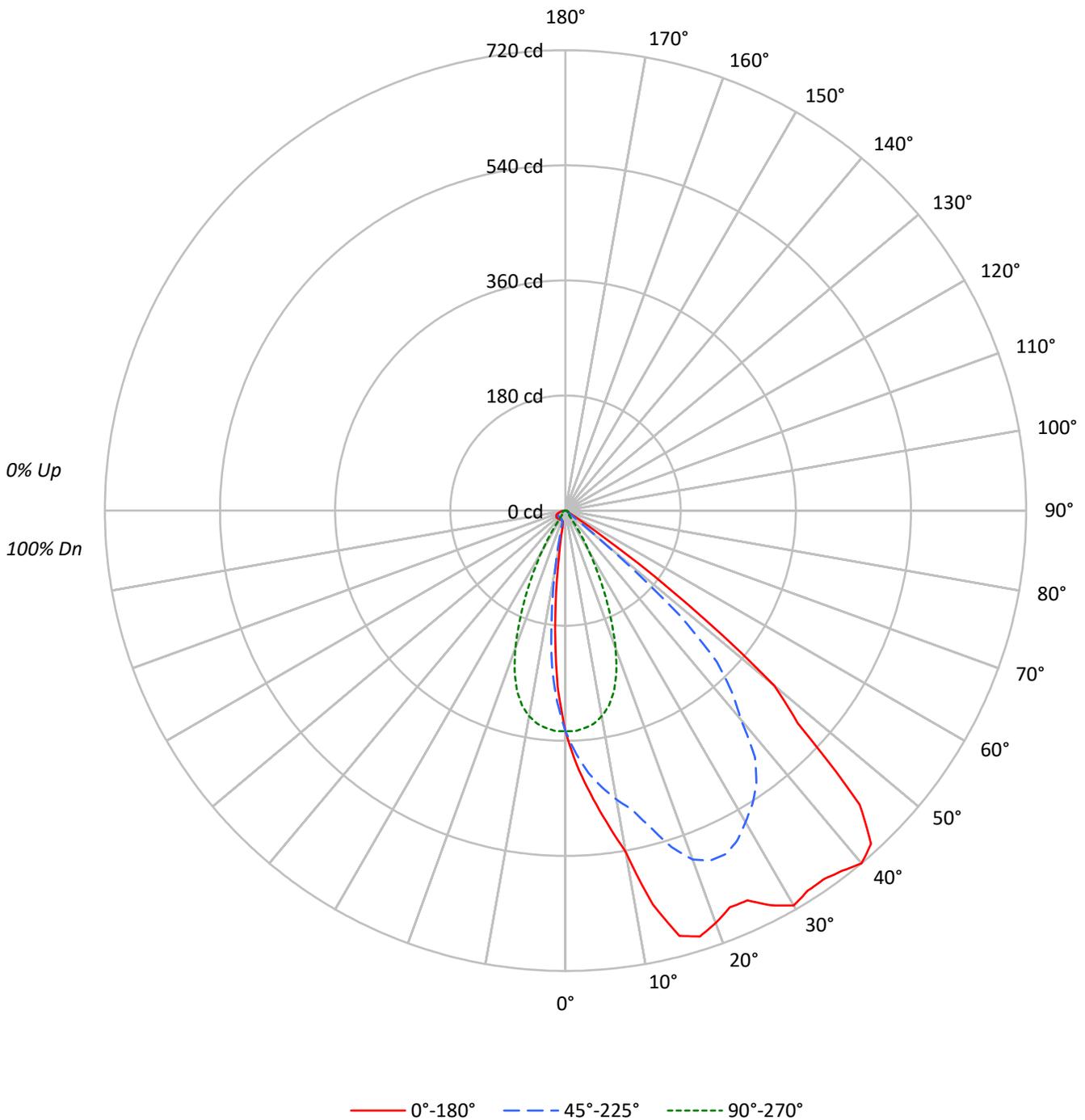
Lumens per Lamp: N/A
Luminaire Lumens: 560.0 lumens
Efficiency: N/A
Efficacy: 62.2 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90	90	90
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81	81	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72	72	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65	65	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58	58	58
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	52	52	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47	47	47
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43	43	43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39	39	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	36	36	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	59365	59365	59365	59365	59365
5°	76690	71209	59039	42045	32087
10°	94767	80252	57133	15897	4722
15°	122740	91342	52134	3495	3102
20°	125782	106391	41952	2914	3006
25°	127793	112629	28124	2812	3021
30°	141831	111862	14517	2844	3162
35°	147949	109390	3995	3007	3448
40°	161893	95931	1911	3215	3799
45°	158387	81519	1924	3483	4238
50°	114165	20122	2117	3831	4662
55°	21919	1261	2222	4114	5225
60°	1102	1274	2170	4374	5649
65°	1060	1304	2160	4523	6031
70°	1057	1309	2115	4532	6143
75°	1065	1397	2129	4591	6321
80°	496	1587	2083	4761	6248
85°	988	988	2174	4150	6323

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 158387 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.0	5.4
10°-20°	82.8	14.8
20°-30°	127.4	22.7
30°-40°	149.5	26.7
40°-50°	119.9	21.4
50°-60°	37.2	6.6
60°-70°	7.0	1.3
70°-80°	4.7	0.8
80°-90°	1.6	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°	240.1	42.9
0°-40°	389.6	69.6
0°-60°	546.7	97.6
0°-90°	560.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	560.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	345	345	345	345	345	
5°	444	412	342	243	186	45
15°	688	512	292	20	17	189
25°	672	593	148	15	16	317
35°	704	520	19	14	16	445
45°	650	335	8	14	17	465
55°	73	4	7	14	17	115
65°	3	3	5	11	15	2
75°	2	2	3	7	10	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°	344.7	344.7	344.7	344.7	344.7	344.7	344.7	344.7	344.7	344.7	344.7
2.5°	397.6	393.4	393.4	391.8	390.2	390.7	386.5	388.1	383.8	380.7	378.0
5°	443.6	438.3	437.8	435.1	432.5	430.4	425.1	421.9	415.6	411.9	403.9
7.5°	491.2	486.9	484.3	481.1	476.4	471.1	462.1	456.3	446.2	436.2	426.1
10°	541.9	538.2	532.4	528.7	515.5	507.0	494.9	486.9	472.1	458.9	443.6
12.5°	630.8	628.6	617.5	610.1	591.1	574.2	547.7	526.6	500.2	478.5	457.9
15°	688.4	685.7	679.9	673.0	660.9	641.9	618.1	588.5	551.4	512.3	477.4
17.5°	698.4	699.0	695.3	693.7	685.7	673.6	654.5	632.3	595.3	552.0	504.4
20°	686.3	690.5	689.4	692.6	694.2	689.4	676.7	655.1	622.8	580.5	527.1
22.5°	671.5	675.2	674.1	679.9	688.9	693.7	689.4	672.0	639.2	592.2	539.8
25°	672.5	675.2	667.2	670.9	682.6	694.2	694.7	679.4	644.0	592.7	538.8
27.5°	695.8	687.9	669.9	668.3	682.6	697.4	698.4	679.4	637.1	581.6	528.2
30°	713.2	707.4	687.3	684.7	698.4	708.5	703.2	673.6	620.7	562.5	512.8
32.5°	704.8	705.8	697.4	705.8	723.8	728.0	705.8	659.8	598.0	544.0	494.9
35°	703.7	707.9	712.7	725.9	738.1	728.0	692.6	633.9	573.7	520.3	466.9
37.5°	710.1	716.9	723.8	735.4	735.4	709.5	657.7	601.1	544.6	486.4	408.7
40°	720.1	724.3	726.4	725.4	711.1	673.0	618.1	561.5	507.6	426.7	370.1
42.5°	706.9	706.4	704.2	695.3	668.8	619.1	567.8	521.8	436.7	384.9	320.4
45°	650.3	650.3	644.5	630.2	605.9	564.7	519.2	452.0	398.1	334.7	237.9
47.5°	492.2	488.5	494.9	503.3	503.3	499.6	458.4	400.2	345.2	241.6	76.1
50°	426.1	420.3	412.4	414.0	412.9	417.2	390.7	346.8	255.4	75.1	5.3
52.5°	241.1	251.7	277.6	314.1	330.4	336.3	319.9	263.8	86.2	4.8	4.2
55°	73.0	75.1	85.1	104.7	142.2	181.9	184.5	85.7	5.8	4.2	4.2
57.5°	3.2	3.2	4.2	6.3	14.8	22.2	23.8	5.3	3.7	4.2	4.2
60°	3.2	3.2	3.2	3.2	3.2	3.2	3.7	3.7	3.7	3.7	4.2
62.5°	2.6	2.6	3.2	3.2	3.2	3.2	3.2	3.2	3.7	3.7	3.7
65°	2.6	2.6	2.6	2.6	2.6	2.6	3.2	3.2	3.2	3.2	3.7
67.5°	2.1	2.1	2.1	2.6	2.6	2.6	2.6	2.6	3.2	3.2	3.2
70°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.6	2.6	2.6	2.6
72.5°	1.6	1.6	1.6	1.6	1.6	2.1	2.1	2.1	2.1	2.1	2.6
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.1	2.1	2.1	2.1
77.5°	1.1	1.1	1.1	1.1	1.1	1.6	1.6	1.6	1.6	1.6	1.6
80°	0.5	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.6	1.6
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1	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	0.5	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°	344.7	344.7	344.7	344.7	344.7	344.7	344.7	344.7
2.5°	374.3	370.1	365.3	345.2	325.7	299.2	281.3	276.0
5°	397.1	390.2	379.6	341.5	295.5	243.2	200.9	185.6
7.5°	416.1	405.5	390.7	336.3	259.6	165.0	106.3	89.9
10°	429.8	416.6	397.6	326.7	212.0	90.9	36.0	27.0
12.5°	441.5	424.0	401.3	312.5	154.4	37.0	18.5	18.5
15°	449.4	428.3	402.9	292.4	99.9	19.6	17.4	17.4
17.5°	460.5	433.0	402.9	264.4	54.5	16.9	16.9	16.9
20°	478.5	437.8	397.1	228.9	30.1	15.9	16.4	16.4
22.5°	488.0	444.6	389.7	187.7	19.0	15.3	15.9	15.9
25°	490.1	443.6	373.8	148.0	15.3	14.8	15.3	15.9
27.5°	482.7	436.2	352.6	107.9	13.7	14.3	15.3	15.9
30°	469.5	418.2	318.8	73.0	12.7	14.3	15.3	15.9
32.5°	444.6	374.9	279.2	43.9	12.2	14.3	15.3	16.4
35°	389.1	329.4	233.7	19.0	11.6	14.3	15.9	16.4
37.5°	348.9	283.9	180.8	9.5	11.6	14.3	15.9	16.9
40°	304.5	228.4	83.5	8.5	11.6	14.3	15.9	16.9
42.5°	232.1	105.7	10.0	8.5	11.1	14.3	16.4	16.9
45°	84.6	11.1	5.3	7.9	11.1	14.3	16.4	17.4
47.5°	6.3	4.2	4.8	7.9	11.1	14.3	16.4	17.4
50°	4.2	4.2	4.8	7.9	11.1	14.3	16.4	17.4
52.5°	4.2	4.8	4.8	7.4	10.6	14.3	16.4	17.4
55°	4.2	4.8	4.8	7.4	10.6	13.7	16.4	17.4
57.5°	4.2	4.2	4.8	6.9	10.0	13.2	16.4	16.9
60°	4.2	4.2	4.8	6.3	9.5	12.7	15.3	16.4
62.5°	4.2	4.2	4.2	5.8	9.0	12.2	14.8	15.9
65°	3.7	3.7	4.2	5.3	7.9	11.1	13.7	14.8
67.5°	3.2	3.7	3.7	4.8	7.4	10.0	12.7	13.7
70°	3.2	3.2	3.2	4.2	6.3	9.0	11.6	12.2
72.5°	2.6	2.6	3.2	3.7	5.8	7.9	10.6	11.1
75°	2.1	2.6	2.6	3.2	4.8	6.9	9.0	9.5
77.5°	2.1	2.1	2.1	2.6	4.2	5.8	7.4	7.9
80°	1.6	1.6	1.6	2.1	3.2	4.8	5.8	6.3
82.5°	1.1	1.6	1.6	1.6	2.6	3.2	4.2	4.8
85°	1.1	1.1	1.1	1.1	1.6	2.1	2.6	3.2
87.5°	0.5	0.5	1.1	1.1	1.1	1.1	1.1	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)