

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: P1327099

Luminaire Tested: LDSQA3D09R60W2N902765DE010 3LSQCA30R 1MMS_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327099
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: LDSQA3D09R60W2N902765DE010 3LSQCA30R 1MMS_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R60 optic, 5000K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

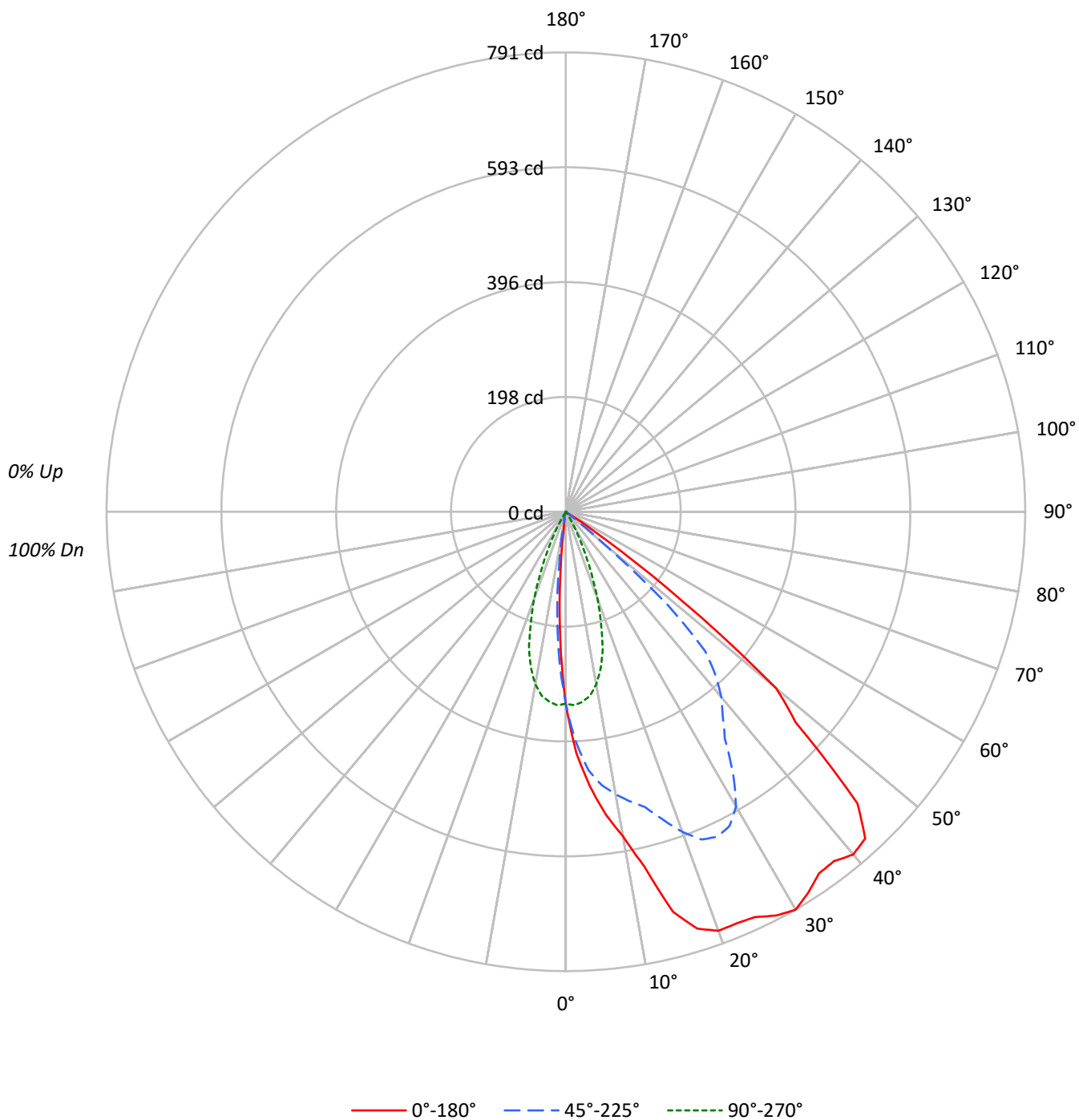
Lumens per Lamp: N/A
Luminaire Lumens: 537.0 lumens
Efficiency: N/A
Efficacy: 59.7 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	63	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°	56902	56902	56902	56902	56902
5°	82015	77243	56809	29269	18809
10°	99209	86355	52744	3498	2064
15°	127144	93820	43719	2300	1890
20°	140719	107528	29306	1301	220
25°	146340	117303	14404	114	0
30°	157362	116555	3977	0	0
35°	159807	100371	0	0	0
40°	173134	93570	0	0	0
45°	172976	82615	0	0	0
50°	126651	20014	0	0	0
55°	24711	0	0	0	0
60°	0	0	0	0	0
65°	0	245	245	0	0
70°	0	302	302	0	0
75°	0	399	399	0	0
80°	0	595	595	595	0
85°	0	1186	1186	1186	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 173268 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.4	5.3
10°-20°	80.8	15.0
20°-30°	128.8	24.0
30°-40°	148.8	27.7
40°-50°	118.2	22.0
50°-60°	31.1	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°	237.9	44.3
0°-40°	386.8	72.0
0°-60°	536.1	99.8
0°-90°	537.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	537.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	330	330	330	330	330	
5°	474	447	329	169	109	48
15°	713	526	245	13	11	199
25°	770	617	76	1	0	359
35°	760	477	0	0	0	483
45°	710	339	0	0	0	506
55°	82	0	0	0	0	124
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	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°	330.4	330.4	330.4	330.4	330.4	330.4	330.4	330.4	330.4	330.4	330.4
2.5°	415.6	419.8	418.0	416.2	412.1	410.4	410.4	405.6	398.0	396.8	391.5
5°	474.4	475.6	475.6	474.4	471.5	466.8	465.6	460.9	453.9	446.8	439.7
7.5°	525.6	525.0	521.5	519.1	513.8	507.4	501.5	495.0	484.4	475.0	465.0
10°	567.3	569.1	566.1	560.3	553.2	544.4	535.0	523.8	507.9	493.8	480.9
12.5°	626.1	625.5	617.9	607.9	590.8	574.4	559.7	547.3	527.9	510.9	495.0
15°	713.1	711.9	704.9	696.1	671.4	646.7	621.4	586.7	554.4	526.2	503.8
17.5°	752.5	754.9	749.0	744.3	730.2	713.7	691.4	656.7	606.7	555.6	508.5
20°	767.8	770.7	766.6	766.0	759.6	751.9	733.7	696.1	647.3	586.7	528.5
22.5°	767.2	769.6	767.8	775.4	783.1	779.0	756.6	719.0	669.0	610.8	545.0
25°	770.1	768.4	761.9	773.1	784.3	780.7	769.6	737.2	682.5	617.3	550.9
27.5°	783.7	770.7	757.8	771.9	777.2	778.4	771.9	733.7	680.2	610.2	539.1
30°	791.3	777.2	766.6	778.4	778.4	784.8	771.3	727.8	660.2	586.1	507.9
32.5°	777.2	774.3	783.7	795.4	798.4	798.4	768.4	708.4	626.7	536.7	458.0
35°	760.1	767.2	794.2	799.5	799.5	786.6	750.2	674.3	576.7	477.4	420.9
37.5°	758.4	769.6	799.5	793.1	782.5	758.4	705.5	614.9	505.6	443.9	393.3
40°	770.1	780.7	798.4	774.8	749.6	711.9	648.4	537.3	462.7	416.2	359.8
42.5°	763.1	773.1	773.7	739.0	703.1	652.0	567.9	474.4	431.5	381.0	321.6
45°	710.2	711.4	709.0	672.0	634.9	582.0	492.7	443.3	397.4	339.2	236.3
47.5°	536.7	534.4	543.2	532.6	534.4	502.6	447.4	406.8	352.1	238.1	71.7
50°	472.7	469.7	460.9	451.5	442.1	426.8	400.9	357.4	254.0	74.7	2.4
52.5°	253.4	267.5	295.1	337.5	353.3	352.1	332.7	264.6	80.0	0.6	0.0
55°	82.3	81.1	90.5	107.0	147.0	169.3	176.4	89.9	1.8	0.0	0.0
57.5°	0.0	0.0	0.0	1.8	5.9	15.3	20.0	1.2	0.0	0.6	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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°	330.4	330.4	330.4	330.4	330.4	330.4	330.4	330.4
2.5°	384.5	376.3	366.8	333.3	293.9	255.7	228.1	221.0
5°	428.6	414.5	394.5	328.6	242.8	169.3	121.1	108.8
7.5°	451.5	439.2	418.0	319.2	188.1	83.5	31.2	21.2
10°	465.6	450.9	427.4	301.6	122.9	20.0	11.2	11.8
12.5°	475.6	458.6	432.1	276.3	62.3	10.0	14.1	14.7
15°	479.7	461.5	431.5	245.2	22.3	12.9	12.3	10.6
17.5°	477.4	454.4	423.9	200.5	7.6	12.3	6.5	5.3
20°	474.4	448.6	411.5	159.9	6.5	7.1	2.4	1.2
22.5°	483.8	438.6	394.5	114.6	6.5	2.4	0.0	0.0
25°	485.0	434.5	372.7	75.8	2.9	0.6	0.0	0.0
27.5°	473.3	410.4	339.2	44.7	0.0	0.0	0.0	0.0
30°	435.6	380.4	303.4	20.0	0.0	0.0	0.0	0.0
32.5°	398.6	346.9	263.4	4.7	0.0	0.0	0.0	0.0
35°	369.2	312.2	219.3	0.0	0.0	0.0	0.0	0.0
37.5°	332.7	271.0	163.4	0.0	0.0	0.0	0.0	0.0
40°	294.5	218.7	81.7	0.0	0.0	0.0	0.0	0.0
42.5°	229.9	104.1	8.2	0.0	0.0	0.0	0.0	0.0
45°	88.2	9.4	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	4.7	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°	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0
65°	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0
67.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
70°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
72.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
75°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
77.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0
82.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
85°	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)