

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: P1327102

Luminaire Tested: LDSQA3D09R60W2N902765DE010 3LSQCA30R 1MW\_3000K

Issue Date: 1/29/2026

**Test Information**

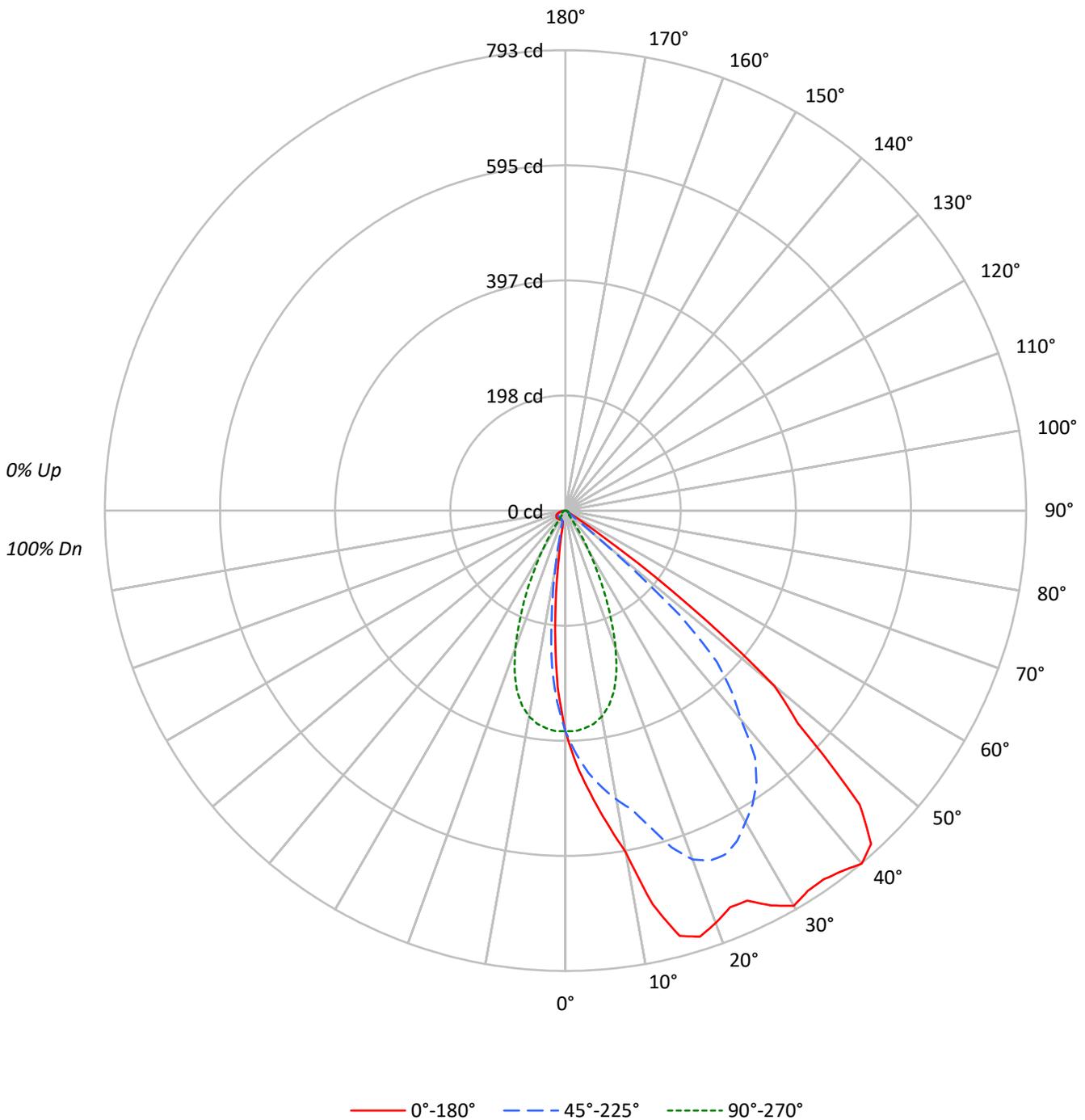
Test Method: LM-79-2019  
Report Number: P1327102  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R60W2N902765DE010 3LSQCA30R 1MW\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R60 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 617.0 lumens  
Efficiency: N/A  
Efficacy: 68.6 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	102	100	
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	95	90	
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	88	81	
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	81	72	
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	74	65	
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	58	
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	63	52	
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	58	47	
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	54	43	
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	39	
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	47	36	

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	65410	65410	65410	65410	65410
5°	84487	78453	65055	46332	35354
10°	104421	88419	62957	17523	5194
15°	135221	100649	57430	3851	3423
20°	138575	117223	46222	3207	3317
25°	140810	124087	30993	3097	3325
30°	156269	123257	15989	3122	3480
35°	163003	120512	4415	3301	3805
40°	178373	105688	2091	3530	4182
45°	174510	89800	2119	3824	4676
50°	125794	22158	2331	4207	5144
55°	24141	1411	2462	4534	5765
60°	1206	1412	2411	4822	6234
65°	1182	1426	2364	4972	6642
70°	1158	1460	2367	4985	6748
75°	1131	1530	2329	5057	6987
80°	595	1686	2281	5157	6943
85°	1186	1186	2371	4545	6916

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 174510 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	33.0	5.4
10°-20°	91.2	14.8
20°-30°	140.4	22.7
30°-40°	164.7	26.7
40°-50°	132.0	21.4
50°-60°	41.0	6.6
60°-70°	7.8	1.3
70°-80°	5.1	0.8
80°-90°	1.8	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°	264.6	42.9
0°-40°	429.2	69.6
0°-60°	602.3	97.6
0°-90°	617.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	617.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	380	380	380	380	380	
5°	489	454	376	268	204	50
15°	758	564	322	22	19	208
25°	741	653	163	16	18	350
35°	775	573	21	16	18	491
45°	716	369	9	16	19	513
55°	80	5	8	15	19	127
65°	3	4	6	12	16	3
75°	2	2	4	8	10	2
85°	1	1	1	2	4	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°	379.8	379.8	379.8	379.8	379.8	379.8	379.8	379.8	379.8	379.8	379.8
2.5°	438.1	433.4	433.4	431.7	429.9	430.5	425.8	427.6	422.9	419.4	416.5
5°	488.7	482.9	482.3	479.4	476.5	474.2	468.3	464.9	457.9	453.8	445.0
7.5°	541.2	536.5	533.6	530.1	524.9	519.0	509.1	502.7	491.7	480.6	469.5
10°	597.1	593.0	586.6	582.5	568.0	558.6	545.2	536.5	520.2	505.6	488.7
12.5°	695.0	692.6	680.4	672.2	651.3	632.6	603.5	580.2	551.1	527.2	504.5
15°	758.4	755.5	749.1	741.6	728.2	707.2	681.0	648.4	607.6	564.5	526.0
17.5°	769.5	770.1	766.0	764.3	755.5	742.1	721.2	696.7	655.9	608.2	555.7
20°	756.1	760.8	759.6	763.1	764.9	759.6	745.6	721.7	686.2	639.6	580.8
22.5°	739.8	743.9	742.7	749.1	759.0	764.3	759.6	740.4	704.3	652.4	594.8
25°	741.0	743.9	735.1	739.2	752.0	764.9	765.4	748.5	709.5	653.0	593.6
27.5°	766.6	757.9	738.1	736.3	752.0	768.4	769.5	748.5	701.9	640.8	581.9
30°	785.8	779.4	757.3	754.4	769.5	780.6	774.8	742.1	683.9	619.8	565.0
32.5°	776.5	777.7	768.4	777.7	797.5	802.1	777.7	727.0	658.8	599.4	545.2
35°	775.3	780.0	785.2	799.8	813.2	802.1	763.1	698.4	632.0	573.2	514.4
37.5°	782.3	789.9	797.5	810.3	810.3	781.7	724.7	662.3	600.0	535.9	450.3
40°	793.4	798.1	800.4	799.2	783.5	741.6	681.0	618.6	559.2	470.1	407.8
42.5°	778.8	778.3	775.9	766.0	736.9	682.1	625.6	575.0	481.2	424.1	353.0
45°	716.5	716.5	710.1	694.4	667.6	622.1	572.0	498.1	438.6	368.7	262.1
47.5°	542.3	538.3	545.2	554.6	554.6	550.5	505.0	441.0	380.4	266.2	83.9
50°	469.5	463.1	454.4	456.1	455.0	459.6	430.5	382.1	281.4	82.7	5.8
52.5°	265.6	277.3	305.8	346.0	364.1	370.5	352.4	290.7	95.0	5.2	4.7
55°	80.4	82.7	93.8	115.3	156.7	200.4	203.3	94.4	6.4	4.7	4.7
57.5°	3.5	3.5	4.7	7.0	16.3	24.5	26.2	5.8	4.1	4.7	4.7
60°	3.5	3.5	3.5	3.5	3.5	3.5	4.1	4.1	4.1	4.1	4.7
62.5°	2.9	2.9	3.5	3.5	3.5	3.5	3.5	3.5	4.1	4.1	4.1
65°	2.9	2.9	2.9	2.9	2.9	2.9	3.5	3.5	3.5	3.5	4.1
67.5°	2.3	2.3	2.3	2.9	2.9	2.9	2.9	2.9	3.5	3.5	3.5
70°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.9	2.9	2.9	2.9
72.5°	1.7	1.7	1.7	1.7	1.7	2.3	2.3	2.3	2.3	2.3	2.9
75°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.3	2.3	2.3	2.3
77.5°	1.2	1.2	1.2	1.2	1.2	1.7	1.7	1.7	1.7	1.7	1.7
80°	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.7	1.7
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	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	0.6	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°	379.8	379.8	379.8	379.8	379.8	379.8	379.8	379.8
2.5°	412.4	407.8	402.5	380.4	358.8	329.7	309.9	304.1
5°	437.5	429.9	418.3	376.3	325.6	268.0	221.4	204.5
7.5°	458.4	446.8	430.5	370.5	286.0	181.7	117.1	99.0
10°	473.6	459.0	438.1	360.0	233.6	100.2	39.6	29.7
12.5°	486.4	467.2	442.1	344.3	170.1	40.8	20.4	20.4
15°	495.1	471.8	443.9	322.1	110.1	21.6	19.2	19.2
17.5°	507.4	477.1	443.9	291.3	60.0	18.6	18.6	18.6
20°	527.2	482.3	437.5	252.2	33.2	17.5	18.1	18.1
22.5°	537.7	489.9	429.3	206.8	21.0	16.9	17.5	17.5
25°	540.0	488.7	411.8	163.1	16.9	16.3	16.9	17.5
27.5°	531.8	480.6	388.5	118.8	15.1	15.7	16.9	17.5
30°	517.3	460.8	351.3	80.4	14.0	15.7	16.9	17.5
32.5°	489.9	413.0	307.6	48.3	13.4	15.7	16.9	18.1
35°	428.7	362.9	257.5	21.0	12.8	15.7	17.5	18.1
37.5°	384.5	312.8	199.2	10.5	12.8	15.7	17.5	18.6
40°	335.5	251.7	92.0	9.3	12.8	15.7	17.5	18.6
42.5°	255.7	116.5	11.1	9.3	12.2	15.7	18.1	18.6
45°	93.2	12.2	5.8	8.7	12.2	15.7	18.1	19.2
47.5°	7.0	4.7	5.2	8.7	12.2	15.7	18.1	19.2
50°	4.7	4.7	5.2	8.7	12.2	15.7	18.1	19.2
52.5°	4.7	5.2	5.2	8.2	11.7	15.7	18.1	19.2
55°	4.7	5.2	5.2	8.2	11.7	15.1	18.1	19.2
57.5°	4.7	4.7	5.2	7.6	11.1	14.6	18.1	18.6
60°	4.7	4.7	5.2	7.0	10.5	14.0	16.9	18.1
62.5°	4.7	4.7	4.7	6.4	9.9	13.4	16.3	17.5
65°	4.1	4.1	4.7	5.8	8.7	12.2	15.1	16.3
67.5°	3.5	4.1	4.1	5.2	8.2	11.1	14.0	15.1
70°	3.5	3.5	3.5	4.7	7.0	9.9	12.8	13.4
72.5°	2.9	2.9	3.5	4.1	6.4	8.7	11.7	12.2
75°	2.3	2.9	2.9	3.5	5.2	7.6	9.9	10.5
77.5°	2.3	2.3	2.3	2.9	4.7	6.4	8.2	8.7
80°	1.7	1.7	1.7	2.3	3.5	5.2	6.4	7.0
82.5°	1.2	1.7	1.7	1.7	2.9	3.5	4.7	5.2
85°	1.2	1.2	1.2	1.2	1.7	2.3	2.9	3.5
87.5°	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)