

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: P1308037

Luminaire Tested: LDSQA3D09R709027DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308037
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-70)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R709027DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

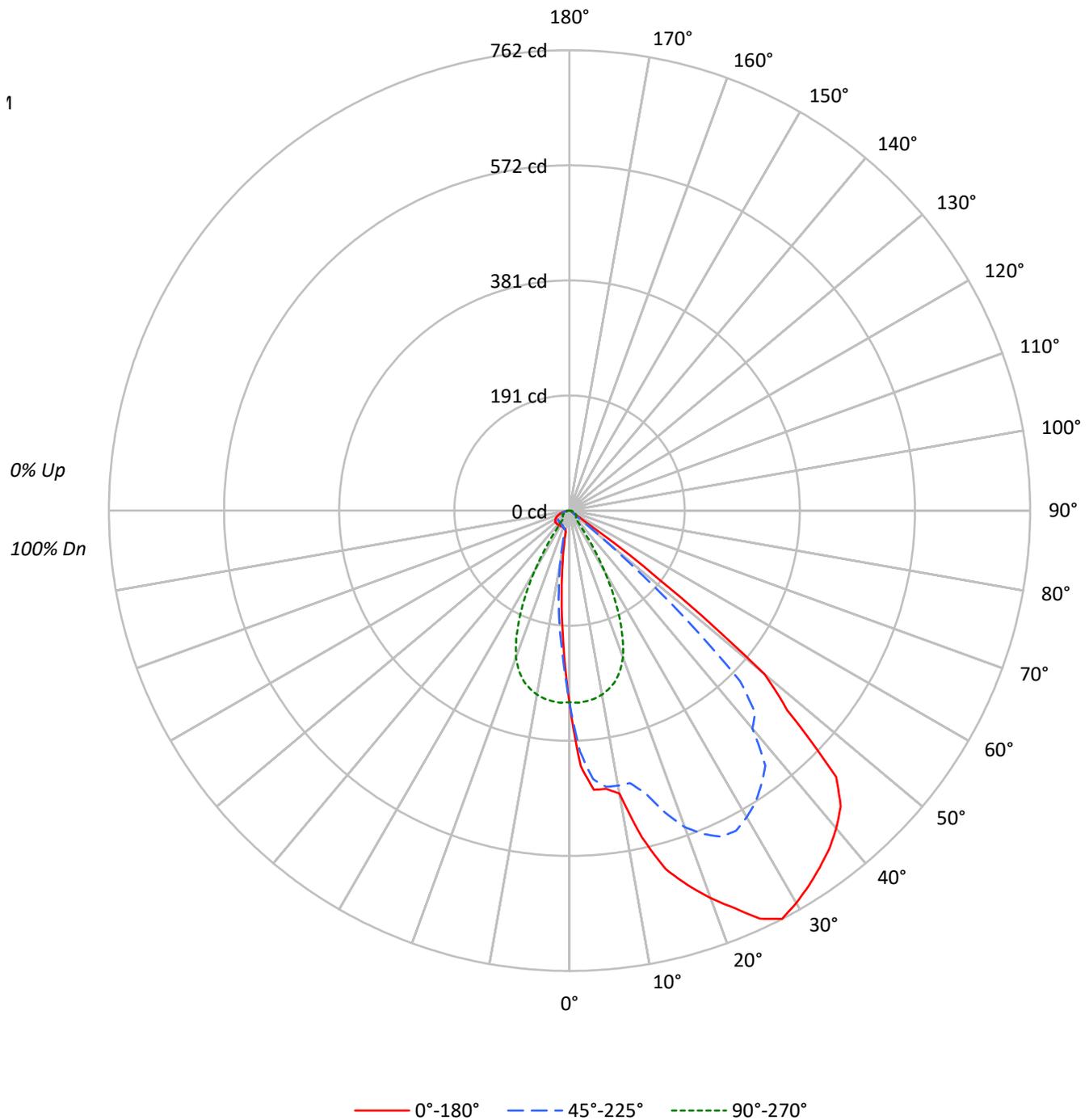
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 602.0 lumens
Efficiency: N/A
Efficacy: 54.2 lumens/watt
Spacing Criteria (0/90/45): 1.69 / 0.89 / 1.39
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
Input Voltage (V): NR
Input Current (A_{in}): 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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100		
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	92	92	90		
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	82	82	80		
3	97	89	83	78	95	87	82	77	85	80	76	82	78	74	80	76	73	73	73	71		
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	65	65	64		
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	62	59	59	59	57		
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	53	53	51		
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	48	48	46		
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	43	43	42		
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	40	40	38		
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	36	36	35		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	54595	54595	54595	54595	54595
5°	80182	77122	54803	32709	25621
10°	83138	80864	54108	15652	6331
15°	109493	86225	52134	5599	5474
20°	125067	102158	47450	5388	5517
25°	141608	113180	37245	5188	5454
30°	149149	116555	23088	5171	5847
35°	151650	116329	7611	5319	6181
40°	154339	105801	3687	5688	6767
45°	151908	97156	3824	5992	7331
50°	112933	17925	3831	6591	8065
55°	9038	2462	4114	6966	8617
60°	1894	2583	3996	7061	8956
65°	1956	2486	3912	6968	9169
70°	1712	2417	3777	6546	8963
75°	1331	2262	3194	6388	8650
80°	1389	1984	3372	6050	8133
85°	1383	2766	3952	5335	6719

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°
 Vertical Angle: 45°
 Luminance: 153735 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.8	4.8
10°-20°	81.1	13.5
20°-30°	136.2	22.6
30°-40°	163.8	27.2
40°-50°	129.8	21.6
50°-60°	41.5	6.9
60°-70°	11.6	1.9
70°-80°	6.9	1.1
80°-90°	2.2	0.4
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°	246.2	40.9
0°-40°	409.9	68.1
0°-60°	581.3	96.6
0°-90°	602.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	602.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	317	317	317	317	317	
5°	464	446	317	189	148	44
15°	614	484	292	31	31	173
25°	745	596	196	27	29	341
35°	721	553	36	25	29	452
45°	624	399	16	25	30	448
55°	30	8	14	23	29	94
65°	5	6	10	17	22	5
75°	2	3	5	10	13	2
85°	1	1	2	3	3	1
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°	317.0	317.0	317.0	317.0	317.0	317.0	317.0	317.0	317.0	317.0	317.0
2.5°	422.8	425.6	425.6	422.1	423.5	418.0	413.9	407.8	406.4	398.9	389.4
5°	463.8	462.4	462.4	459.7	461.1	459.0	457.0	455.6	451.5	446.1	440.6
7.5°	464.5	465.9	466.5	465.9	468.6	466.5	466.5	466.5	463.8	461.1	455.6
10°	475.4	473.4	471.3	466.5	463.8	461.8	461.8	462.4	463.8	462.4	459.0
12.5°	554.0	546.5	543.1	531.4	522.6	507.5	490.5	477.5	465.9	461.8	459.0
15°	614.1	612.7	605.9	595.0	584.0	566.3	546.5	526.7	505.5	483.6	467.9
17.5°	649.6	646.9	640.0	628.4	615.5	599.1	583.4	568.3	547.8	523.2	498.0
20°	682.4	676.3	667.4	653.7	640.7	625.0	607.9	593.6	576.5	557.4	528.0
22.5°	711.8	706.3	692.0	673.5	660.5	645.5	630.5	616.8	601.1	579.3	552.6
25°	745.2	732.9	709.7	685.8	670.1	657.8	646.9	636.0	619.6	595.6	564.2
27.5°	761.6	744.6	719.3	695.4	680.4	667.4	655.8	644.8	626.4	597.0	560.8
30°	750.0	740.5	722.7	704.3	692.0	679.7	666.0	649.6	620.2	586.1	552.6
32.5°	736.4	731.6	723.4	712.5	704.9	692.6	673.5	646.9	605.9	572.4	536.2
35°	721.3	719.3	716.6	711.8	707.0	695.4	671.5	632.5	591.6	553.3	518.5
37.5°	705.6	703.6	705.6	704.9	700.8	685.8	649.6	613.4	571.1	532.1	464.5
40°	686.5	685.1	688.5	692.0	687.2	667.4	628.4	584.7	547.2	470.6	447.4
42.5°	664.0	663.3	669.4	672.2	665.3	636.0	590.2	558.1	478.8	454.3	399.6
45°	623.7	625.0	627.8	631.2	627.1	595.0	553.3	494.6	459.7	398.9	227.5
47.5°	488.4	489.8	503.4	532.1	551.9	541.0	505.5	461.8	411.2	228.1	71.7
50°	421.5	420.1	420.8	427.6	443.3	458.3	447.4	423.5	245.2	66.9	8.9
52.5°	185.1	205.6	227.5	288.9	328.6	370.2	378.4	265.0	79.9	8.9	8.9
55°	30.1	31.4	39.6	58.1	104.5	157.8	191.3	88.8	8.2	8.2	8.2
57.5°	6.1	6.1	6.1	6.8	10.2	21.9	25.3	7.5	7.5	7.5	8.2
60°	5.5	5.5	5.5	5.5	6.1	6.1	6.1	6.8	6.8	7.5	7.5
62.5°	5.5	5.5	5.5	5.5	5.5	5.5	6.1	6.1	6.8	6.8	7.5
65°	4.8	4.8	4.8	4.8	5.5	5.5	5.5	5.5	6.1	6.1	6.8
67.5°	4.1	4.1	4.1	4.1	4.8	4.8	4.8	5.5	5.5	5.5	6.1
70°	3.4	3.4	3.4	3.4	4.1	4.1	4.1	4.1	4.8	4.8	4.8
72.5°	2.7	2.7	2.7	2.7	3.4	3.4	3.4	3.4	4.1	4.1	4.1
75°	2.0	2.0	2.7	2.7	2.7	2.7	2.7	2.7	3.4	3.4	3.4
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.7	2.7	2.7	2.7
80°	1.4	1.4	1.4	1.4	1.4	1.4	2.0	2.0	2.0	2.0	2.0
82.5°	0.7	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
85°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4	1.4	1.4
87.5°	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7
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°	317.0	317.0	317.0	317.0	317.0	317.0	317.0	317.0
2.5°	383.2	373.6	360.7	318.3	279.4	243.9	226.1	224.1
5°	431.7	422.8	401.0	317.0	242.5	189.2	157.1	148.2
7.5°	450.2	442.6	423.5	314.2	207.7	135.9	99.7	86.1
10°	454.9	450.2	433.8	309.4	171.5	89.5	47.1	36.2
12.5°	457.0	453.6	437.9	301.9	135.3	46.4	32.1	32.1
15°	460.4	457.0	442.0	292.4	99.7	31.4	30.7	30.7
17.5°	475.4	464.5	447.4	278.0	65.6	30.1	30.1	30.1
20°	500.0	476.1	450.2	258.9	41.0	29.4	29.4	30.1
22.5°	520.5	488.4	449.5	230.2	30.1	28.0	28.7	29.4
25°	529.4	493.9	443.3	196.0	26.0	27.3	28.7	28.7
27.5°	528.0	495.9	437.9	157.1	24.6	26.6	28.0	29.4
30°	520.5	490.5	425.6	116.1	23.2	26.0	28.0	29.4
32.5°	507.5	469.3	401.0	75.1	22.5	26.0	28.0	29.4
35°	465.2	435.1	365.4	36.2	21.9	25.3	28.7	29.4
37.5°	440.6	398.9	278.7	17.8	21.2	25.3	28.7	29.4
40°	401.0	297.8	125.7	16.4	21.2	25.3	28.7	30.1
42.5°	252.1	122.3	20.5	15.7	20.5	25.3	28.7	30.1
45°	92.2	16.4	10.9	15.7	20.5	24.6	28.7	30.1
47.5°	9.6	9.6	10.2	15.0	19.8	24.6	28.7	30.1
50°	8.9	9.6	10.2	14.3	19.1	24.6	28.0	30.1
52.5°	8.9	9.6	10.2	14.3	18.4	23.9	28.0	30.1
55°	8.9	9.6	9.6	13.7	17.8	23.2	27.3	28.7
57.5°	8.2	8.9	9.6	13.0	17.1	21.9	26.6	28.0
60°	8.2	8.9	9.6	11.6	16.4	20.5	25.3	26.0
62.5°	7.5	8.2	8.9	10.9	15.0	19.1	23.2	24.6
65°	7.5	7.5	8.2	9.6	13.7	17.1	21.2	22.5
67.5°	6.1	6.8	6.8	8.2	11.6	15.0	19.1	20.5
70°	5.5	5.5	6.1	7.5	10.2	13.0	16.4	17.8
72.5°	4.8	4.8	4.8	6.1	8.9	11.6	14.3	15.7
75°	4.1	4.1	4.1	4.8	7.5	9.6	12.3	13.0
77.5°	3.4	3.4	3.4	4.1	6.1	8.2	9.6	10.9
80°	2.7	2.7	2.7	3.4	4.8	6.1	7.5	8.2
82.5°	2.0	2.0	2.0	2.7	3.4	4.1	5.5	5.5
85°	1.4	1.4	1.4	2.0	2.0	2.7	3.4	3.4
87.5°	0.7	0.7	0.7	1.4	1.4	1.4	1.4	1.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)