

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: P1307059

Luminaire Tested: LDSQA3D09R659024DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307059
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-68)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R659024DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R65 optic, 2400K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

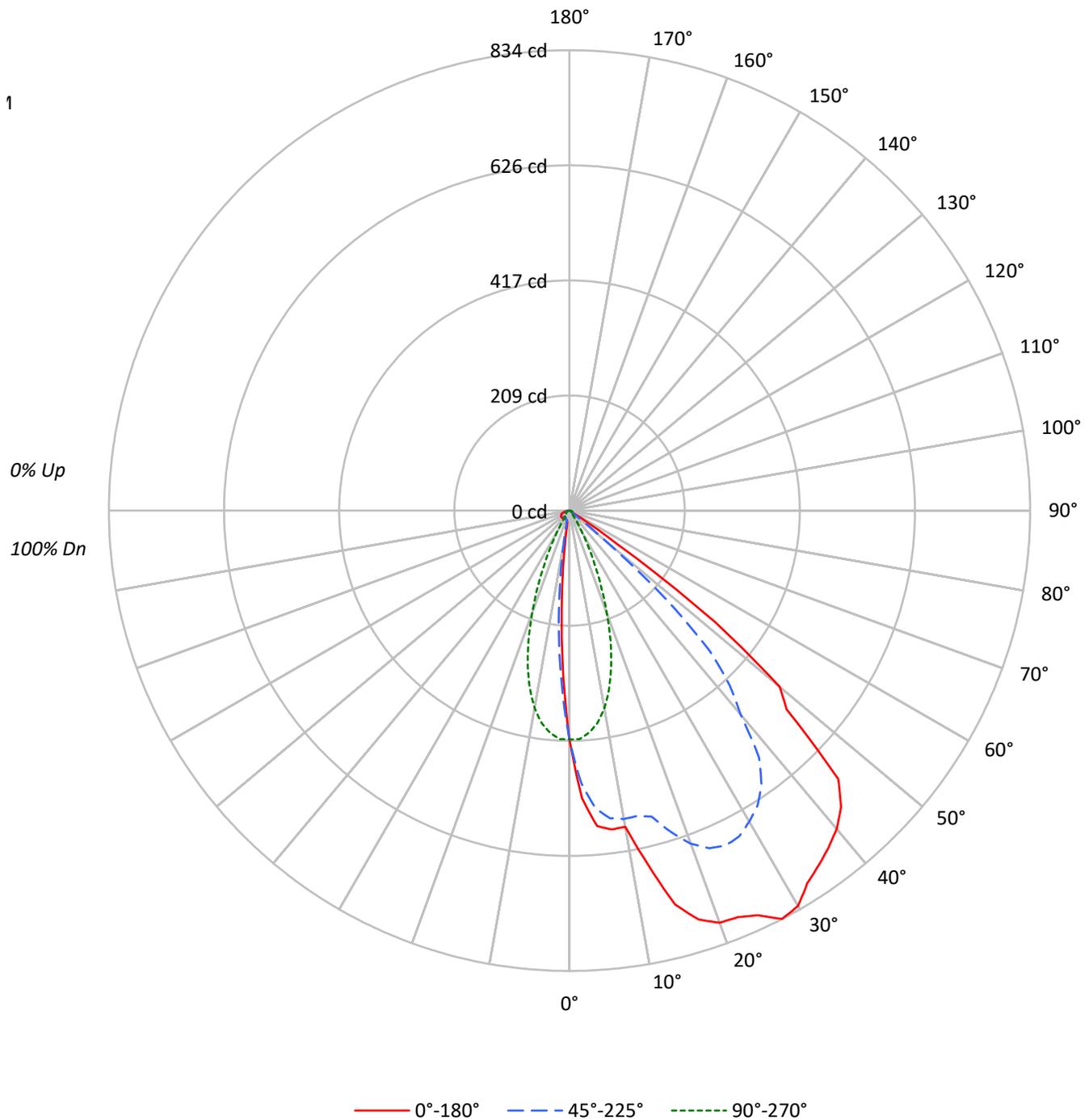
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 621.0 lumens
Efficiency: N/A
Efficacy: 55.9 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22
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	0
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	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	71352	71352	71352	71352	71352
5°	99182	93598	69844	38379	27004
10°	101692	99209	63534	10720	3952
15°	131744	102290	52010	3459	3334
20°	145594	117681	36197	3079	3189
25°	153656	127166	20485	2945	3192
30°	164521	129362	9247	2943	3341
35°	165126	127408	2985	3112	3658
40°	169178	108229	2023	3327	4069
45°	167545	87243	2046	3605	4408
50°	132974	20577	2063	3965	5010
55°	31587	1171	2132	4444	5615
60°	1102	1343	2446	4684	5993
65°	1304	1304	2364	5012	6561
70°	957	1309	2266	4884	6848
75°	865	1264	2129	5124	6854
80°	595	1289	2579	5157	7042
85°	1186	2569	2569	5138	6323

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°
 Vertical Angle: 45°
 Luminance: 167861 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.6	5.6
10°-20°	91.1	14.7
20°-30°	143.0	23.0
30°-40°	163.6	26.3
40°-50°	131.5	21.2
50°-60°	42.8	6.9
60°-70°	7.6	1.2
70°-80°	5.0	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°	268.7	43.3
0°-40°	432.3	69.6
0°-60°	606.6	97.7
0°-90°	621.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	621.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	414	414	414	414	414	
5°	574	541	404	222	156	54
15°	739	574	292	19	19	206
25°	809	669	108	16	17	377
35°	785	606	14	15	17	493
45°	688	358	8	15	18	495
55°	105	4	7	15	19	150
65°	3	3	6	12	16	3
75°	1	2	3	8	10	2
85°	1	1	1	3	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°	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3
2.5°	521.4	519.5	522.1	517.6	516.9	512.4	509.8	508.5	502.7	495.0	487.9
5°	573.7	566.0	567.9	567.3	564.0	562.1	559.5	556.3	548.5	541.4	532.4
7.5°	582.7	576.3	577.6	578.2	576.3	575.6	575.0	573.7	568.5	562.1	554.4
10°	581.5	575.0	574.4	572.4	570.5	571.1	571.1	571.1	569.8	567.3	564.7
12.5°	656.3	647.3	645.3	631.8	619.5	598.2	584.7	571.8	566.0	566.6	564.7
15°	738.9	738.3	731.8	718.9	698.3	678.9	647.9	624.7	595.0	573.7	564.7
17.5°	776.4	775.7	769.9	758.9	744.1	726.0	703.4	676.3	643.4	610.5	583.4
20°	794.4	798.9	792.5	783.4	769.3	752.5	731.2	706.7	675.7	642.1	609.9
22.5°	797.0	802.8	797.0	790.5	780.2	769.3	751.2	726.0	694.4	662.1	630.5
25°	808.6	810.6	798.3	789.9	780.2	772.5	758.3	736.3	704.1	669.2	638.2
27.5°	833.8	825.4	799.6	788.0	778.9	771.8	758.3	735.7	700.8	665.4	633.1
30°	827.3	824.1	801.5	790.5	782.8	775.7	758.9	729.9	687.9	650.5	616.9
32.5°	800.9	807.3	799.6	795.7	791.8	782.8	758.3	718.9	671.8	633.7	588.6
35°	785.4	793.1	793.8	793.8	789.3	775.7	746.7	702.8	655.7	606.0	545.3
37.5°	769.9	776.4	780.2	782.8	776.4	757.0	720.2	680.8	629.2	564.0	457.5
40°	752.5	757.0	760.2	761.5	751.8	726.7	693.1	648.6	590.5	481.4	408.5
42.5°	727.9	730.5	729.9	729.2	718.9	691.2	659.5	613.1	498.2	429.2	340.7
45°	687.9	685.4	689.2	689.2	675.7	655.0	613.1	522.7	445.9	358.2	219.4
47.5°	533.1	535.0	553.7	584.0	602.8	596.9	540.2	457.5	374.9	234.9	72.9
50°	496.3	494.3	495.0	498.2	500.1	484.0	443.4	386.6	247.8	76.8	5.2
52.5°	333.0	334.9	349.8	384.0	395.0	383.3	344.6	258.1	90.3	5.2	4.5
55°	105.2	112.3	120.7	138.7	170.4	190.4	186.5	91.6	5.8	3.9	4.5
57.5°	3.9	3.9	5.2	9.0	17.4	28.4	29.7	5.8	4.5	4.5	4.5
60°	3.2	3.2	3.2	3.2	3.2	3.2	3.9	3.9	3.9	3.9	3.9
62.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.9	3.9	3.9	3.9
65°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.9
67.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.2	3.2	3.2	3.2
70°	1.9	1.9	1.9	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.2
72.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.6	2.6	2.6
75°	1.3	1.3	1.3	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
77.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.9	1.9	1.9
80°	0.6	0.6	0.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.9
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.3	1.3	1.3
85°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.3	1.3
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°	414.3	414.3	414.3	414.3	414.3	414.3	414.3	414.3
2.5°	484.0	476.3	460.8	414.3	365.9	317.5	287.2	279.4
5°	522.1	513.0	491.1	404.0	305.9	222.0	174.2	156.2
7.5°	545.3	534.3	508.5	387.9	238.1	129.1	77.4	62.0
10°	555.6	546.0	516.9	363.3	172.3	61.3	27.1	22.6
12.5°	560.2	552.4	520.1	331.1	112.3	27.1	20.0	19.4
15°	562.1	553.7	518.9	291.7	63.9	19.4	18.7	18.7
17.5°	564.0	554.4	511.1	246.5	35.5	18.1	17.4	18.1
20°	579.5	551.8	497.6	197.5	23.2	16.8	16.8	17.4
22.5°	595.0	551.1	473.7	151.0	18.1	16.1	16.8	16.8
25°	600.2	544.7	443.4	107.8	15.5	15.5	16.1	16.8
27.5°	590.5	526.0	402.7	72.9	13.6	15.5	16.1	16.8
30°	567.9	494.3	353.6	46.5	12.9	14.8	16.1	16.8
32.5°	526.0	431.7	298.8	27.7	12.3	14.8	16.8	16.8
35°	442.1	362.0	236.8	14.2	12.3	14.8	16.8	17.4
37.5°	386.6	302.0	165.2	9.7	12.3	14.8	16.8	17.4
40°	320.7	218.1	69.1	9.0	12.3	14.8	16.8	18.1
42.5°	222.0	94.9	11.0	8.4	11.6	14.8	17.4	18.1
45°	80.0	12.3	5.2	8.4	11.6	14.8	17.4	18.1
47.5°	7.1	4.5	5.2	8.4	11.6	14.8	17.4	18.7
50°	4.5	4.5	4.5	7.7	11.6	14.8	17.4	18.7
52.5°	4.5	4.5	4.5	7.7	11.0	14.8	18.1	18.7
55°	4.5	4.5	4.5	7.1	11.0	14.8	17.4	18.7
57.5°	4.5	4.5	5.2	7.1	11.0	14.2	17.4	18.1
60°	4.5	4.5	4.5	7.1	10.3	13.6	16.8	17.4
62.5°	3.9	4.5	4.5	6.5	9.7	12.9	16.1	16.8
65°	3.9	3.9	4.5	5.8	9.0	12.3	14.8	16.1
67.5°	3.2	3.9	3.9	5.2	7.7	11.0	13.6	14.8
70°	3.2	3.2	3.2	4.5	7.1	9.7	12.9	13.6
72.5°	2.6	3.2	3.2	3.9	5.8	8.4	11.0	12.3
75°	2.6	2.6	2.6	3.2	5.2	7.7	9.7	10.3
77.5°	1.9	1.9	2.6	2.6	4.5	5.8	8.4	9.0
80°	1.9	1.9	1.9	2.6	3.2	5.2	6.5	7.1
82.5°	1.3	1.3	1.3	1.9	2.6	3.2	4.5	5.2
85°	1.3	1.3	1.3	1.3	1.9	2.6	3.2	3.2
87.5°	0.6	0.6	0.6	1.3	1.3	1.3	1.3	1.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)