

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: P1319161

Luminaire Tested: LDSQA3D09R709835DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319161
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-57)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R709835DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

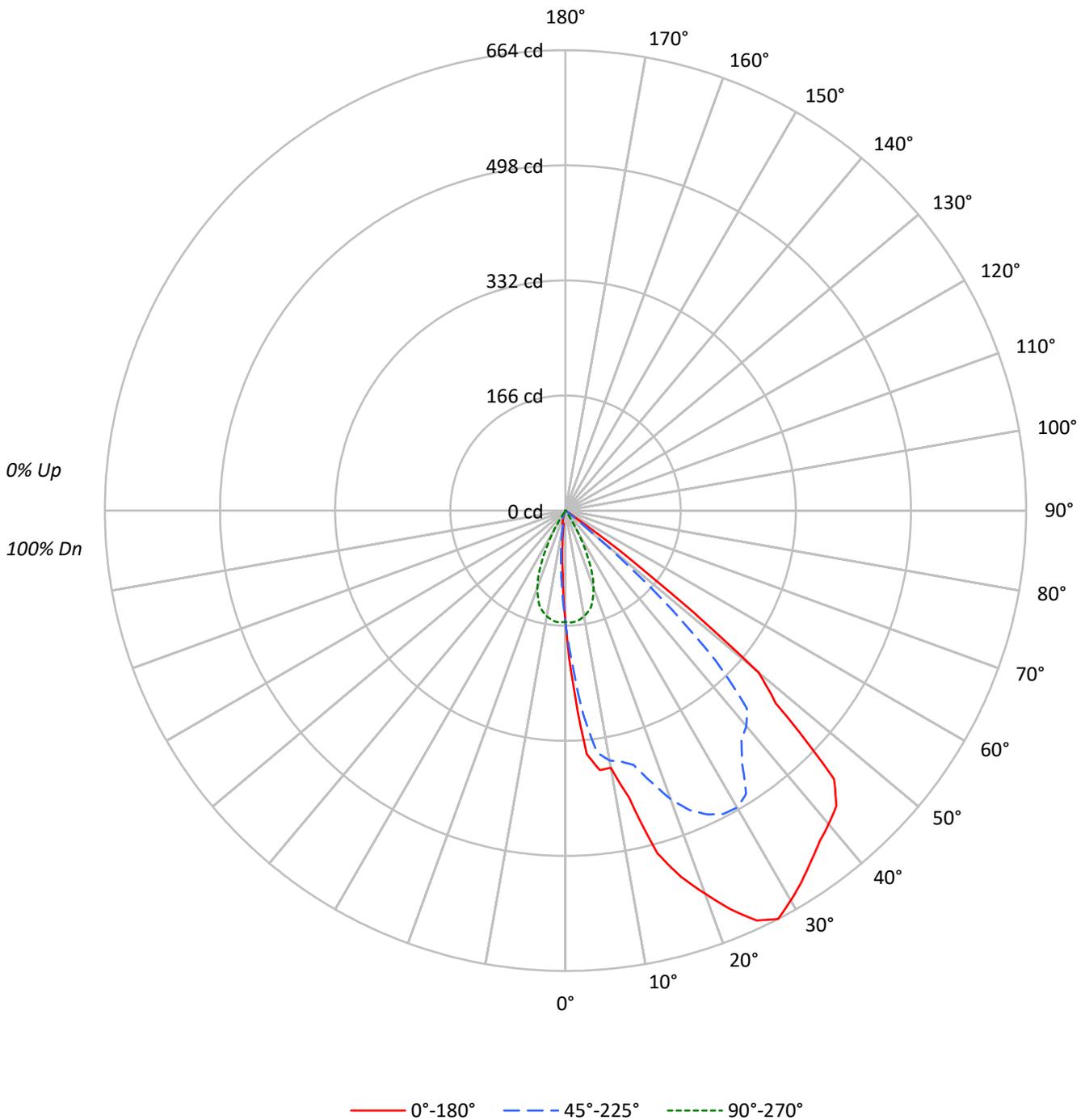
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 432.0 lumens
Efficiency: N/A
Efficacy: 39.3 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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				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	102	100
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	96	94	93	96	94	93	91
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	88	86	84	82
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	81	78	75	73
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	75	71	67	66
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	69	64	61	59
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	63	58	55	53
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	58	53	49	48
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	50	45	41	39
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	27607	27607	27607	27607	27607
5°	60923	51121	27816	12655	8333
10°	65877	63971	27071	3515	3620
15°	91199	67718	25550	3584	2603
20°	107711	81118	21681	2126	788
25°	123954	91859	15297	342	0
30°	129104	98319	7040	0	0
35°	129700	93181	378	0	0
40°	132667	91142	0	0	0
45°	133325	74675	0	0	0
50°	97339	15513	0	0	0
55°	5495	0	0	0	0
60°	0	207	207	0	0
65°	0	0	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: 135858 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.5	4.1
10°-20°	58.6	13.6
20°-30°	105.3	24.4
30°-40°	128.0	29.6
40°-50°	98.8	22.9
50°-60°	23.0	5.3
60°-70°	0.1	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°	181.4	42.0
0°-40°	309.4	71.6
0°-60°	431.2	99.8
0°-90°	432.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	432.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	160	160	160	160	160	
5°	352	296	161	73	48	33
15°	512	380	143	20	15	143
25°	652	483	80	2	0	297
35°	617	443	2	0	0	388
45°	547	307	0	0	0	387
55°	18	0	0	0	0	75
65°	0	0	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°	160.3	160.3	160.3	160.3	160.3	160.3	160.3	160.3	160.3	160.3	160.3
2.5°	249.9	249.9	251.2	250.6	245.1	242.6	234.7	230.4	229.2	219.5	215.8
5°	352.4	353.0	349.9	349.3	343.2	338.9	332.2	321.9	311.5	295.7	281.6
7.5°	377.4	376.7	376.1	376.1	374.9	372.5	369.4	366.4	362.1	352.4	341.4
10°	376.7	376.7	376.1	376.1	375.5	376.1	375.5	373.7	371.9	365.8	359.7
12.5°	424.3	420.6	415.8	408.4	396.3	387.1	376.7	373.7	372.5	370.6	367.0
15°	511.5	508.4	498.1	485.3	473.1	452.3	435.9	413.3	395.6	379.8	371.9
17.5°	553.5	555.4	543.8	535.9	524.3	507.8	488.3	465.1	440.1	410.3	386.5
20°	587.7	589.5	579.7	571.8	558.4	541.3	524.3	499.3	475.5	442.6	411.5
22.5°	622.4	623.6	614.5	602.9	587.7	570.0	548.0	522.4	496.8	467.6	434.7
25°	652.3	651.1	635.8	619.4	604.7	585.8	564.5	539.5	515.1	483.4	452.3
27.5°	663.9	663.3	646.2	630.3	613.3	587.7	568.8	546.8	521.2	493.2	461.5
30°	649.2	659.0	648.0	636.4	615.7	590.1	571.8	545.6	521.8	494.4	458.4
32.5°	634.0	646.2	642.5	637.1	612.7	592.6	568.8	544.4	516.3	484.6	429.8
35°	616.9	629.7	630.3	624.3	602.3	582.2	560.2	534.6	502.9	443.2	403.0
37.5°	601.7	613.9	617.5	604.7	587.7	560.9	540.7	513.9	456.6	416.4	395.6
40°	590.1	599.3	604.7	584.6	567.6	541.3	518.2	471.2	419.4	405.4	376.1
42.5°	577.9	586.5	588.9	566.9	540.7	515.7	482.2	423.1	407.8	387.1	308.5
45°	547.4	557.8	551.7	530.4	510.9	484.6	434.7	409.1	392.6	306.6	189.6
47.5°	410.9	422.5	438.9	445.0	451.7	432.8	405.4	396.3	322.5	185.9	59.1
50°	363.3	361.5	361.5	364.6	370.0	376.1	384.1	334.1	193.9	57.9	0.0
52.5°	148.1	155.5	191.4	223.7	260.9	298.1	309.7	204.8	75.6	1.2	0.0
55°	18.3	18.3	25.6	43.9	72.5	117.0	131.7	65.8	5.5	0.0	0.0
57.5°	0.0	0.0	0.0	0.6	4.9	13.4	9.1	2.4	0.6	0.6	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.6	0.6	0.6	0.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	160.3	160.3	160.3	160.3	160.3	160.3	160.3	160.3
2.5°	209.7	202.4	192.0	161.5	135.3	112.2	98.8	92.1
5°	268.2	250.6	226.8	160.9	109.7	73.2	54.9	48.2
7.5°	324.3	304.2	264.0	158.5	84.1	42.7	23.8	18.9
10°	348.7	334.1	298.1	154.8	61.0	20.1	20.1	20.7
12.5°	358.5	347.5	318.2	149.4	40.2	19.5	20.7	19.5
15°	365.2	354.8	328.0	143.3	23.2	20.1	16.5	14.6
17.5°	368.8	356.6	331.0	131.7	15.2	17.1	10.4	8.5
20°	380.4	360.9	333.5	118.3	14.6	11.6	5.5	4.3
22.5°	399.9	369.4	334.1	101.8	11.6	6.7	1.8	0.0
25°	417.6	381.0	335.9	80.5	3.7	1.8	0.0	0.0
27.5°	426.1	384.7	335.3	56.7	0.0	0.0	0.0	0.0
30°	415.8	375.5	329.8	35.4	0.0	0.0	0.0	0.0
32.5°	391.4	368.8	312.7	15.2	0.0	0.0	0.0	0.0
35°	383.5	354.2	273.7	1.8	0.0	0.0	0.0	0.0
37.5°	365.8	312.1	201.2	0.0	0.0	0.0	0.0	0.0
40°	314.6	225.6	95.7	0.0	0.0	0.0	0.0	0.0
42.5°	207.9	96.3	5.5	0.0	0.0	0.0	0.0	0.0
45°	73.2	6.1	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1.2	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	0.6	0.6	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.6	0.6	0.0	0.0	0.0	0.0
67.5°	0.6	0.6	0.6	0.6	0.0	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	0.6	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	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)