

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: P1319004

Luminaire Tested: LDSQA3D05R609835DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319004
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: LDSQA3D05R609835DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

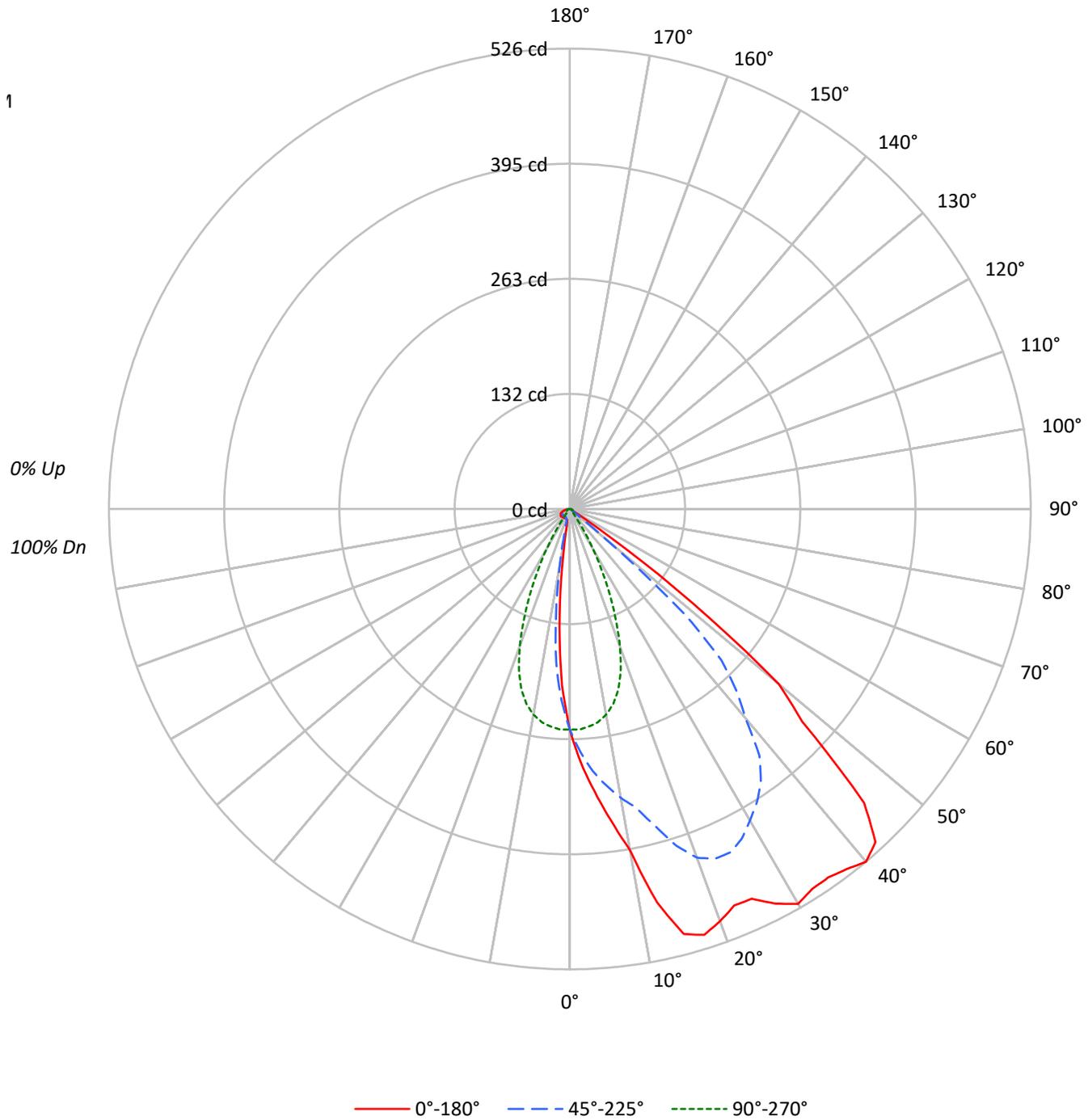
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 409.0 lumens
Efficiency: N/A
Efficacy: 56.8 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): 7.2
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	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	109	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	88	85	83	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	81	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	64	60	58
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	58	53	49	47
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	50	45	41	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	47	41	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	43366	43366	43366	43366	43366
5°	56013	52002	43134	30704	23425
10°	69217	58620	41726	11612	3445
15°	89648	66719	38067	2550	2264
20°	91858	77709	30644	2126	2199
25°	93341	82263	20542	2052	2204
30°	103589	81714	10600	2068	2307
35°	108066	79893	2922	2187	2523
40°	118233	70054	1394	2338	2788
45°	115691	59526	1413	2533	3093
50°	83380	14683	1554	2786	3403
55°	16004	931	1621	3003	3813
60°	792	930	1584	3203	4133
65°	774	937	1589	3301	4401
70°	755	957	1561	3323	4482
75°	799	998	1530	3327	4658
80°	397	1190	1488	3471	4562
85°	790	790	1581	2964	4545

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 115691 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.9	5.4
10°-20°	60.4	14.8
20°-30°	93.0	22.7
30°-40°	109.2	26.7
40°-50°	87.5	21.4
50°-60°	27.2	6.6
60°-70°	5.1	1.3
70°-80°	3.4	0.8
80°-90°	1.2	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°	175.4	42.9
0°-40°	284.5	69.6
0°-60°	399.3	97.6
0°-90°	409.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	409.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	252	252	252	252	252	
5°	324	301	250	178	136	33
15°	503	374	214	14	13	138
25°	491	433	108	11	12	232
35°	514	380	14	10	12	325
45°	475	244	6	10	13	340
55°	53	3	5	10	13	84
65°	2	2	4	8	11	2
75°	1	2	2	5	7	1
85°	0	0	1	2	2	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°	251.8	251.8	251.8	251.8	251.8	251.8	251.8	251.8	251.8	251.8	251.8
2.5°	290.4	287.3	287.3	286.1	285.0	285.4	282.3	283.4	280.3	278.0	276.1
5°	324.0	320.1	319.7	317.8	315.9	314.3	310.5	308.1	303.5	300.8	295.0
7.5°	358.7	355.6	353.7	351.4	347.9	344.1	337.5	333.2	325.9	318.6	311.2
10°	395.8	393.1	388.8	386.1	376.5	370.3	361.4	355.6	344.8	335.2	324.0
12.5°	460.7	459.1	451.0	445.6	431.7	419.4	400.0	384.6	365.3	349.5	334.4
15°	502.8	500.8	496.6	491.6	482.7	468.8	451.4	429.8	402.8	374.2	348.7
17.5°	510.1	510.5	507.8	506.6	500.8	492.0	478.0	461.8	434.8	403.1	368.4
20°	501.2	504.3	503.5	505.9	507.0	503.5	494.3	478.4	454.9	424.0	385.0
22.5°	490.4	493.1	492.3	496.6	503.1	506.6	503.5	490.8	466.9	432.5	394.3
25°	491.2	493.1	487.3	490.0	498.5	507.0	507.4	496.2	470.3	432.9	393.5
27.5°	508.2	502.4	489.2	488.1	498.5	509.3	510.1	496.2	465.3	424.8	385.8
30°	520.9	516.7	502.0	500.1	510.1	517.4	513.6	492.0	453.3	410.9	374.6
32.5°	514.7	515.5	509.3	515.5	528.6	531.7	515.5	481.9	436.7	397.3	361.4
35°	514.0	517.1	520.5	530.2	539.1	531.7	505.9	463.0	419.0	380.0	341.0
37.5°	518.6	523.6	528.6	537.1	537.1	518.2	480.4	439.0	397.7	355.3	298.5
40°	525.9	529.0	530.6	529.8	519.4	491.6	451.4	410.1	370.7	311.6	270.3
42.5°	516.3	515.9	514.3	507.8	488.5	452.2	414.7	381.1	319.0	281.1	234.0
45°	475.0	475.0	470.7	460.3	442.5	412.4	379.2	330.2	290.8	244.4	173.8
47.5°	359.5	356.8	361.4	367.6	367.6	364.9	334.8	292.3	252.2	176.5	55.6
50°	311.2	307.0	301.2	302.4	301.6	304.7	285.4	253.3	186.5	54.8	3.9
52.5°	176.1	183.8	202.7	229.4	241.3	245.6	233.6	192.7	62.9	3.5	3.1
55°	53.3	54.8	62.2	76.5	103.9	132.8	134.8	62.6	4.2	3.1	3.1
57.5°	2.3	2.3	3.1	4.6	10.8	16.2	17.4	3.9	2.7	3.1	3.1
60°	2.3	2.3	2.3	2.3	2.3	2.3	2.7	2.7	2.7	2.7	3.1
62.5°	1.9	1.9	2.3	2.3	2.3	2.3	2.3	2.3	2.7	2.7	2.7
65°	1.9	1.9	1.9	1.9	1.9	1.9	2.3	2.3	2.3	2.3	2.7
67.5°	1.5	1.5	1.5	1.9	1.9	1.9	1.9	1.9	2.3	2.3	2.3
70°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.9	1.9	1.9	1.9
72.5°	1.2	1.2	1.2	1.2	1.2	1.5	1.5	1.5	1.5	1.5	1.9
75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.5	1.5	1.5	1.5
77.5°	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.2
80°	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8
87.5°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4
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°	251.8	251.8	251.8	251.8	251.8	251.8	251.8	251.8
2.5°	273.4	270.3	266.8	252.2	237.9	218.6	205.4	201.6
5°	290.0	285.0	277.3	249.5	215.9	177.6	146.7	135.5
7.5°	303.9	296.2	285.4	245.6	189.6	120.5	77.6	65.6
10°	313.9	304.3	290.4	238.6	154.8	66.4	26.3	19.7
12.5°	322.4	309.7	293.1	228.2	112.8	27.0	13.5	13.5
15°	328.2	312.8	294.2	213.5	73.0	14.3	12.7	12.7
17.5°	336.3	316.3	294.2	193.1	39.8	12.4	12.4	12.4
20°	349.5	319.7	290.0	167.2	22.0	11.6	12.0	12.0
22.5°	356.4	324.7	284.6	137.1	13.9	11.2	11.6	11.6
25°	358.0	324.0	273.0	108.1	11.2	10.8	11.2	11.6
27.5°	352.6	318.6	257.6	78.8	10.0	10.4	11.2	11.6
30°	342.9	305.4	232.8	53.3	9.3	10.4	11.2	11.6
32.5°	324.7	273.8	203.9	32.1	8.9	10.4	11.2	12.0
35°	284.2	240.6	170.7	13.9	8.5	10.4	11.6	12.0
37.5°	254.9	207.4	132.1	7.0	8.5	10.4	11.6	12.4
40°	222.4	166.8	61.0	6.2	8.5	10.4	11.6	12.4
42.5°	169.5	77.2	7.3	6.2	8.1	10.4	12.0	12.4
45°	61.8	8.1	3.9	5.8	8.1	10.4	12.0	12.7
47.5°	4.6	3.1	3.5	5.8	8.1	10.4	12.0	12.7
50°	3.1	3.1	3.5	5.8	8.1	10.4	12.0	12.7
52.5°	3.1	3.5	3.5	5.4	7.7	10.4	12.0	12.7
55°	3.1	3.5	3.5	5.4	7.7	10.0	12.0	12.7
57.5°	3.1	3.1	3.5	5.0	7.3	9.7	12.0	12.4
60°	3.1	3.1	3.5	4.6	7.0	9.3	11.2	12.0
62.5°	3.1	3.1	3.1	4.2	6.6	8.9	10.8	11.6
65°	2.7	2.7	3.1	3.9	5.8	8.1	10.0	10.8
67.5°	2.3	2.7	2.7	3.5	5.4	7.3	9.3	10.0
70°	2.3	2.3	2.3	3.1	4.6	6.6	8.5	8.9
72.5°	1.9	1.9	2.3	2.7	4.2	5.8	7.7	8.1
75°	1.5	1.9	1.9	2.3	3.5	5.0	6.6	7.0
77.5°	1.5	1.5	1.5	1.9	3.1	4.2	5.4	5.8
80°	1.2	1.2	1.2	1.5	2.3	3.5	4.2	4.6
82.5°	0.8	1.2	1.2	1.2	1.9	2.3	3.1	3.5
85°	0.8	0.8	0.8	0.8	1.2	1.5	1.9	2.3
87.5°	0.4	0.4	0.8	0.8	0.8	0.8	0.8	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)