

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: P1309149

Luminaire Tested: LDSQA3D09R659030DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309149
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: LDSQA3D09R659030DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R65 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

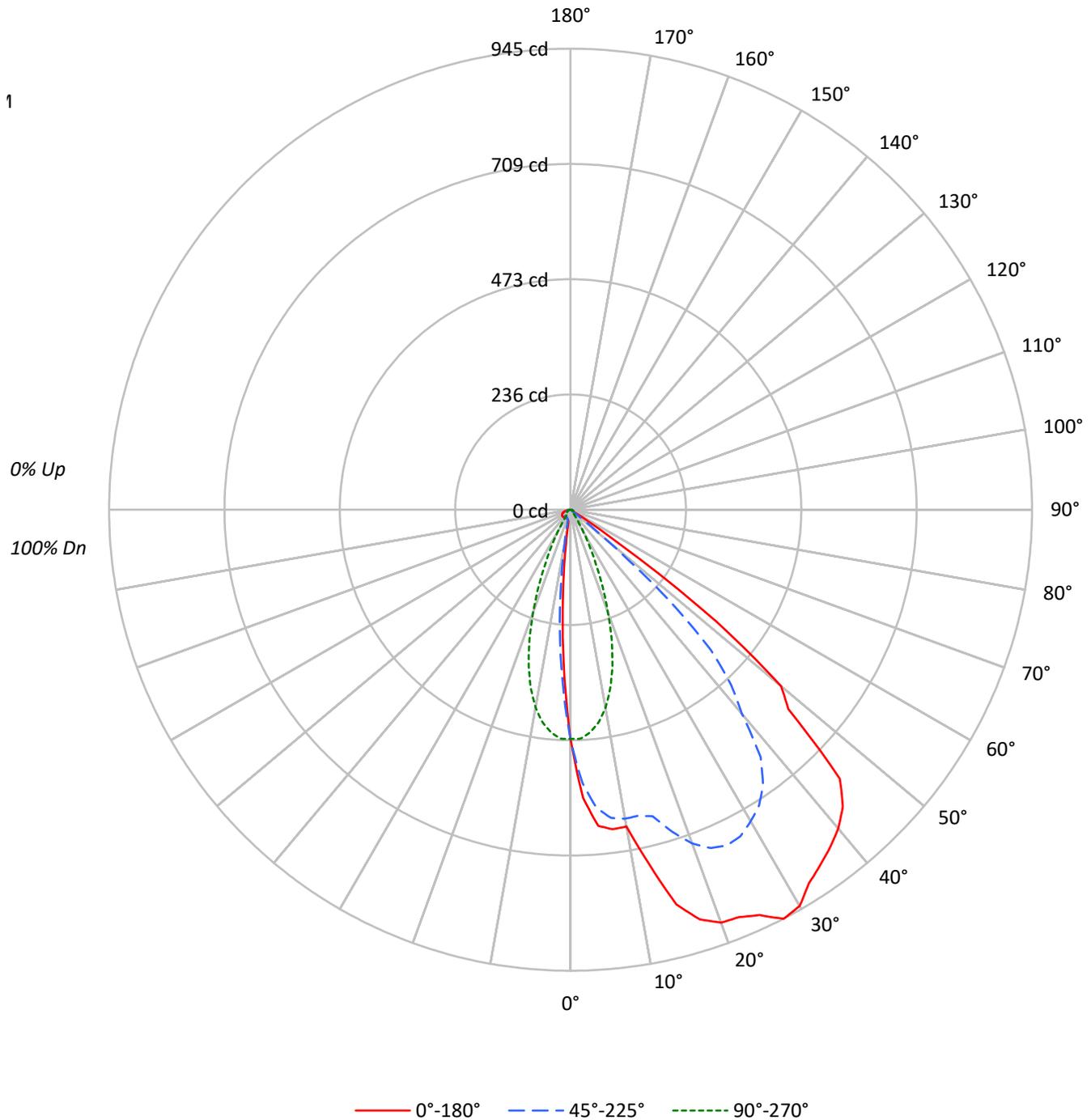
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 704.0 lumens
Efficiency: N/A
Efficacy: 63.4 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	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	90	102	97	92	88	94	90	87	91	87	85	88	85	83	88	81	
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	81	72	
4	91	82	75	70	89	81	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	68	61	56	66	60	55	64	59	55	63	58	54	63	53	
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	58	48	
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	54	43	
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	40	
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	47	36	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	80893	80893	80893	80893	80893
5°	112441	106114	79179	43514	30600
10°	115281	112465	72033	12154	4477
15°	149360	115965	58963	3905	3780
20°	165058	133406	41035	3482	3629
25°	174197	144173	23221	3344	3611
30°	186516	146663	10480	3341	3778
35°	187202	144438	3385	3532	4163
40°	191772	122707	2293	3777	4609
45°	189952	98885	2314	4092	4993
50°	150738	23337	2358	4501	5680
55°	35821	1321	2402	5044	6366
60°	1274	1516	2756	5304	6820
65°	1508	1508	2690	5664	7457
70°	1108	1460	2568	5539	7755
75°	998	1464	2462	5856	7785
80°	694	1488	2876	5852	7934
85°	1383	2964	2964	5730	7311

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°
 Vertical Angle: 45°
 Luminance: 190293 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.2	5.6
10°-20°	103.2	14.7
20°-30°	162.1	23.0
30°-40°	185.5	26.3
40°-50°	149.1	21.2
50°-60°	48.5	6.9
60°-70°	8.6	1.2
70°-80°	5.7	0.8
80°-90°	2.0	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°	304.6	43.3
0°-40°	490.1	69.6
0°-60°	687.7	97.7
0°-90°	704.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	704.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	470	470	470	470	470	
5°	650	614	458	252	177	61
15°	838	650	331	22	21	233
25°	917	759	122	18	19	427
35°	890	687	16	17	20	559
45°	780	406	10	17	20	561
55°	119	4	8	17	21	170
65°	4	4	7	14	18	3
75°	2	2	4	9	12	2
85°	1	2	2	3	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°	469.7	469.7	469.7	469.7	469.7	469.7	469.7	469.7	469.7	469.7	469.7
2.5°	591.1	588.9	591.9	586.7	586.0	580.9	578.0	576.5	569.9	561.1	553.1
5°	650.4	641.6	643.8	643.1	639.4	637.2	634.3	630.6	621.9	613.8	603.6
7.5°	660.6	653.3	654.8	655.5	653.3	652.6	651.9	650.4	644.5	637.2	628.4
10°	659.2	651.9	651.1	648.9	646.7	647.5	647.5	647.5	646.0	643.1	640.1
12.5°	744.0	733.8	731.6	716.2	702.3	678.2	662.8	648.2	641.6	642.3	640.1
15°	837.7	836.9	829.6	815.0	791.6	769.6	734.5	708.2	674.5	650.4	640.1
17.5°	880.1	879.4	872.8	860.4	843.5	823.0	797.4	766.7	729.4	692.1	661.4
20°	900.6	905.7	898.4	888.2	872.1	853.0	828.9	801.1	766.0	727.9	691.4
22.5°	903.5	910.1	903.5	896.2	884.5	872.1	851.6	823.0	787.2	750.6	714.8
25°	916.7	918.9	905.0	895.5	884.5	875.7	859.6	834.8	798.2	758.7	723.6
27.5°	945.2	935.7	906.5	893.3	883.0	875.0	859.6	834.0	794.5	754.3	717.7
30°	937.9	934.3	908.6	896.2	887.4	879.4	860.4	827.4	779.9	737.5	699.4
32.5°	907.9	915.2	906.5	902.1	897.7	887.4	859.6	815.0	761.6	718.4	667.2
35°	890.4	899.1	899.9	899.9	894.7	879.4	846.5	796.7	743.3	687.0	618.2
37.5°	872.8	880.1	884.5	887.4	880.1	858.2	816.5	771.8	713.3	639.4	518.7
40°	853.0	858.2	861.8	863.3	852.3	823.8	785.7	735.3	669.4	545.8	463.1
42.5°	825.2	828.2	827.4	826.7	815.0	783.5	747.7	695.0	564.8	486.5	386.3
45°	779.9	777.0	781.3	781.3	766.0	742.6	695.0	592.6	505.5	406.0	248.7
47.5°	604.3	606.5	627.7	662.1	683.3	676.7	612.3	518.7	425.1	266.3	82.7
50°	562.6	560.4	561.1	564.8	567.0	548.7	502.6	438.2	280.9	87.1	5.9
52.5°	377.5	379.7	396.5	435.3	447.7	434.6	390.7	292.6	102.4	5.9	5.1
55°	119.3	127.3	136.8	157.3	193.1	215.8	211.4	103.9	6.6	4.4	5.1
57.5°	4.4	4.4	5.9	10.2	19.8	32.2	33.7	6.6	5.1	5.1	5.1
60°	3.7	3.7	3.7	3.7	3.7	3.7	4.4	4.4	4.4	4.4	4.4
62.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	4.4	4.4	4.4	4.4
65°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	4.4
67.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.7	3.7	3.7	3.7
70°	2.2	2.2	2.2	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.7
72.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.9	2.9	2.9
75°	1.5	1.5	1.5	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.2	2.2	2.2
80°	0.7	0.7	0.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.2
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	1.5	1.5
85°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	1.5
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°	469.7	469.7	469.7	469.7	469.7	469.7	469.7	469.7
2.5°	548.7	539.9	522.4	469.7	414.8	359.9	325.6	316.8
5°	591.9	581.6	556.7	458.0	346.8	251.7	197.5	177.0
7.5°	618.2	605.8	576.5	439.7	270.0	146.3	87.8	70.2
10°	629.9	618.9	586.0	411.9	195.3	69.5	30.7	25.6
12.5°	635.0	626.2	589.7	375.3	127.3	30.7	22.7	21.9
15°	637.2	627.7	588.2	330.7	72.4	21.9	21.2	21.2
17.5°	639.4	628.4	579.4	279.5	40.2	20.5	19.8	20.5
20°	657.0	625.5	564.1	223.9	26.3	19.0	19.0	19.8
22.5°	674.5	624.8	537.0	171.2	20.5	18.3	19.0	19.0
25°	680.4	617.5	502.6	122.2	17.6	17.6	18.3	19.0
27.5°	669.4	596.3	456.5	82.7	15.4	17.6	18.3	19.0
30°	643.8	560.4	400.9	52.7	14.6	16.8	18.3	19.0
32.5°	596.3	489.4	338.7	31.5	13.9	16.8	19.0	19.0
35°	501.1	410.4	268.5	16.1	13.9	16.8	19.0	19.8
37.5°	438.2	342.4	187.3	11.0	13.9	16.8	19.0	19.8
40°	363.6	247.3	78.3	10.2	13.9	16.8	19.0	20.5
42.5°	251.7	107.5	12.4	9.5	13.2	16.8	19.8	20.5
45°	90.7	13.9	5.9	9.5	13.2	16.8	19.8	20.5
47.5°	8.0	5.1	5.9	9.5	13.2	16.8	19.8	21.2
50°	5.1	5.1	5.1	8.8	13.2	16.8	19.8	21.2
52.5°	5.1	5.1	5.1	8.8	12.4	16.8	20.5	21.2
55°	5.1	5.1	5.1	8.0	12.4	16.8	19.8	21.2
57.5°	5.1	5.1	5.9	8.0	12.4	16.1	19.8	20.5
60°	5.1	5.1	5.1	8.0	11.7	15.4	19.0	19.8
62.5°	4.4	5.1	5.1	7.3	11.0	14.6	18.3	19.0
65°	4.4	4.4	5.1	6.6	10.2	13.9	16.8	18.3
67.5°	3.7	4.4	4.4	5.9	8.8	12.4	15.4	16.8
70°	3.7	3.7	3.7	5.1	8.0	11.0	14.6	15.4
72.5°	2.9	3.7	3.7	4.4	6.6	9.5	12.4	13.9
75°	2.9	2.9	2.9	3.7	5.9	8.8	11.0	11.7
77.5°	2.2	2.2	2.9	2.9	5.1	6.6	9.5	10.2
80°	2.2	2.2	2.2	2.9	3.7	5.9	7.3	8.0
82.5°	1.5	1.5	1.5	2.2	2.9	3.7	5.1	5.9
85°	1.5	1.5	1.5	1.5	2.2	2.9	3.7	3.7
87.5°	0.7	0.7	0.7	1.5	1.5	1.5	1.5	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)