

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: P1313748

Luminaire Tested: LDSQA3D13R659727DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313748
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: LDSQA3D13R659727DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R65 optic, 2700K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

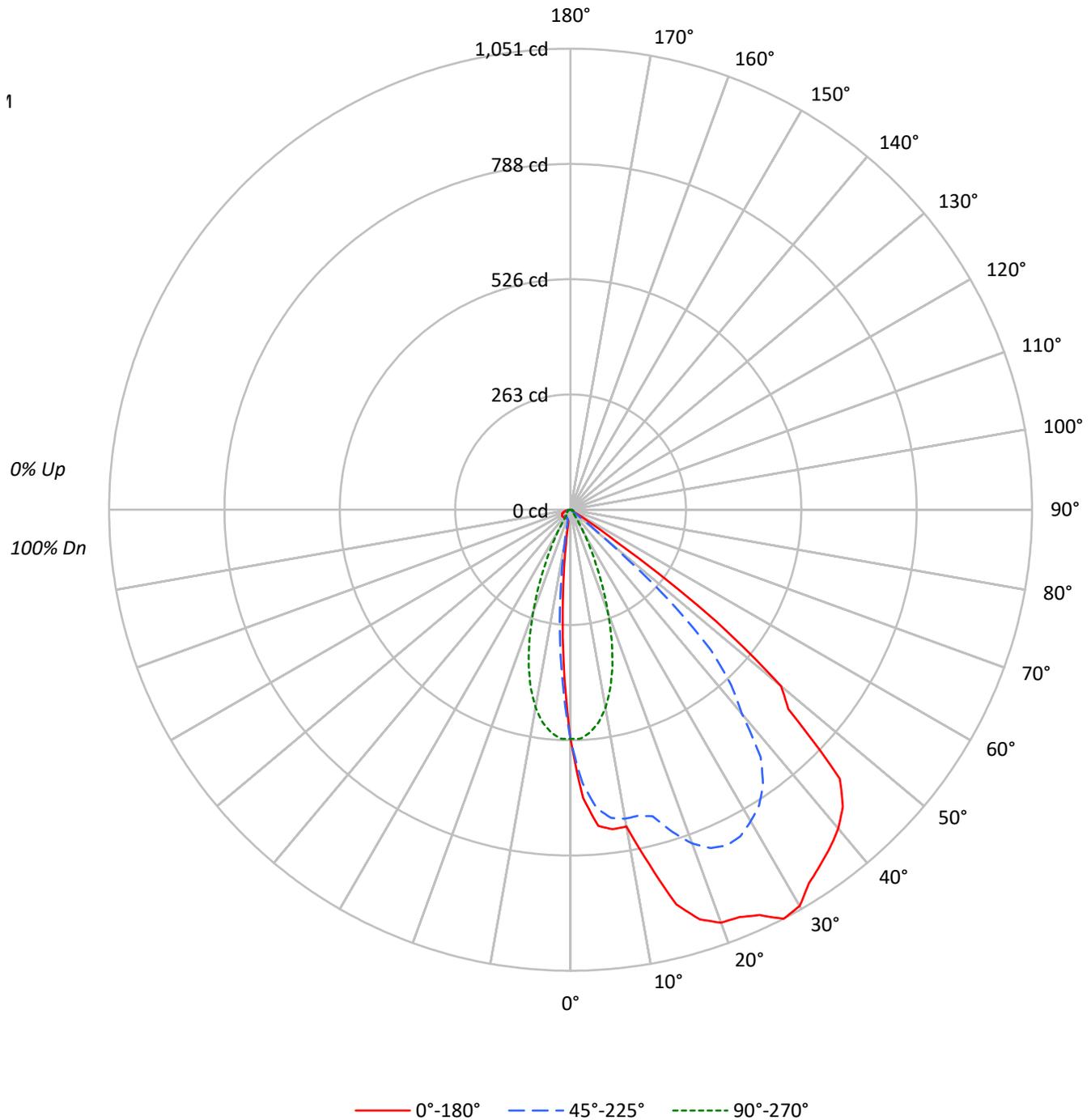
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 783.0 lumens
Efficiency: N/A
Efficacy: 53.6 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): 14.6
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	102	100
1	112	109	106	103	110	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	81	77	74	72
4	91	82	75	70	89	81	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	68	61	56	66	60	55	64	59	55	63	58	54	63	58	54	53
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	58	53	49	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	45	41	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	89969	89969	89969	89969	89969
5°	125062	118026	88065	48389	34040
10°	128204	125074	80112	13518	4984
15°	166120	128981	65578	4350	4208
20°	183587	148380	45636	3885	4032
25°	193751	160344	25825	3706	4029
30°	207457	163110	11654	3719	4216
35°	208206	160648	3763	3932	4625
40°	213310	136466	2563	4204	5126
45°	211264	109992	2582	4555	5553
50°	167644	25936	2626	5010	6323
55°	39815	1471	2702	5615	7086
60°	1412	1688	3100	5890	7578
65°	1671	1671	2975	6316	8273
70°	1209	1662	2870	6143	8611
75°	1065	1597	2728	6521	8650
80°	793	1587	3273	6447	8926
85°	1581	3162	3162	6521	8102

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°
 Vertical Angle: 45°
 Luminance: 211653 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.6	5.6
10°-20°	114.8	14.7
20°-30°	180.3	23.0
30°-40°	206.3	26.3
40°-50°	165.8	21.2
50°-60°	53.9	6.9
60°-70°	9.6	1.2
70°-80°	6.3	0.8
80°-90°	2.3	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°	338.7	43.3
0°-40°	545.1	69.6
0°-60°	764.8	97.7
0°-90°	783.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	783.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	522	522	522	522	522	
5°	723	683	509	280	197	68
15°	932	723	368	24	24	260
25°	1020	844	136	20	21	475
35°	990	764	18	19	22	622
45°	867	452	11	19	23	624
55°	133	5	9	19	24	190
65°	4	4	7	16	20	4
75°	2	2	4	10	13	2
85°	1	2	2	3	4	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°	522.4	522.4	522.4	522.4	522.4	522.4	522.4	522.4	522.4	522.4	522.4
2.5°	657.5	655.0	658.3	652.6	651.8	646.1	642.8	641.2	633.9	624.1	615.2
5°	723.4	713.6	716.1	715.2	711.2	708.7	705.5	701.4	691.6	682.7	671.3
7.5°	734.8	726.6	728.3	729.1	726.6	725.8	725.0	723.4	716.9	708.7	699.0
10°	733.1	725.0	724.2	721.7	719.3	720.1	720.1	720.1	718.5	715.2	712.0
12.5°	827.5	816.1	813.7	796.6	781.1	754.3	737.2	720.9	713.6	714.4	712.0
15°	931.7	930.9	922.7	906.5	880.4	856.0	817.0	787.7	750.2	723.4	712.0
17.5°	978.9	978.1	970.7	956.9	938.2	915.4	886.9	852.8	811.3	769.8	735.6
20°	1001.7	1007.4	999.2	987.8	969.9	948.8	921.9	891.0	851.9	809.6	768.9
22.5°	1004.9	1012.2	1004.9	996.8	983.8	969.9	947.1	915.4	875.5	834.9	795.0
25°	1019.6	1022.0	1006.5	996.0	983.8	974.0	956.1	928.4	887.7	843.8	804.7
27.5°	1051.3	1040.7	1008.2	993.5	982.1	973.2	956.1	927.6	883.7	838.9	798.2
30°	1043.2	1039.1	1010.6	996.8	987.0	978.1	956.9	920.3	867.4	820.2	777.9
32.5°	1009.8	1017.9	1008.2	1003.3	998.4	987.0	956.1	906.5	847.1	799.0	742.1
35°	990.3	1000.0	1000.8	1000.8	995.2	978.1	941.4	886.1	826.7	764.1	687.6
37.5°	970.7	978.9	983.8	987.0	978.9	954.5	908.1	858.4	793.4	711.2	576.9
40°	948.8	954.5	958.5	960.2	948.0	916.2	873.9	817.8	744.5	607.0	515.1
42.5°	917.8	921.1	920.3	919.5	906.5	871.5	831.6	773.0	628.2	541.1	429.6
45°	867.4	864.1	869.0	869.0	851.9	825.9	773.0	659.1	562.3	451.6	276.7
47.5°	672.1	674.6	698.2	736.4	760.0	752.7	681.1	576.9	472.8	296.2	91.9
50°	625.7	623.3	624.1	628.2	630.6	610.3	559.0	487.4	312.5	96.8	6.5
52.5°	419.9	422.3	441.0	484.1	498.0	483.3	434.5	325.5	113.9	6.5	5.7
55°	132.6	141.6	152.2	174.9	214.8	240.0	235.2	115.5	7.3	4.9	5.7
57.5°	4.9	4.9	6.5	11.4	22.0	35.8	37.4	7.3	5.7	5.7	5.7
60°	4.1	4.1	4.1	4.1	4.1	4.1	4.9	4.9	4.9	4.9	4.9
62.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.9	4.9	4.9	4.9
65°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.9
67.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.1	4.1	4.1	4.1
70°	2.4	2.4	2.4	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.1
72.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.3	3.3	3.3
75°	1.6	1.6	1.6	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4	2.4	2.4
80°	0.8	0.8	0.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6	1.6
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8
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°	522.4	522.4	522.4	522.4	522.4	522.4	522.4	522.4
2.5°	610.3	600.5	581.0	522.4	461.4	400.3	362.1	352.3
5°	658.3	646.9	619.2	509.4	385.7	279.9	219.7	196.9
7.5°	687.6	673.7	641.2	489.0	300.3	162.7	97.6	78.1
10°	700.6	688.4	651.8	458.1	217.3	77.3	34.2	28.5
12.5°	706.3	696.5	655.8	417.4	141.6	34.2	25.2	24.4
15°	708.7	698.2	654.2	367.8	80.6	24.4	23.6	23.6
17.5°	711.2	699.0	644.4	310.8	44.8	22.8	22.0	22.8
20°	730.7	695.7	627.4	249.0	29.3	21.2	21.2	22.0
22.5°	750.2	694.9	597.3	190.4	22.8	20.3	21.2	21.2
25°	756.7	686.8	559.0	135.9	19.5	19.5	20.3	21.2
27.5°	744.5	663.2	507.7	91.9	17.1	19.5	20.3	21.2
30°	716.1	623.3	445.9	58.6	16.3	18.7	20.3	21.2
32.5°	663.2	544.4	376.7	35.0	15.5	18.7	21.2	21.2
35°	557.4	456.5	298.6	17.9	15.5	18.7	21.2	22.0
37.5°	487.4	380.8	208.3	12.2	15.5	18.7	21.2	22.0
40°	404.4	275.0	87.1	11.4	15.5	18.7	21.2	22.8
42.5°	279.9	119.6	13.8	10.6	14.6	18.7	22.0	22.8
45°	100.9	15.5	6.5	10.6	14.6	18.7	22.0	22.8
47.5°	9.0	5.7	6.5	10.6	14.6	18.7	22.0	23.6
50°	5.7	5.7	5.7	9.8	14.6	18.7	22.0	23.6
52.5°	5.7	5.7	5.7	9.8	13.8	18.7	22.8	23.6
55°	5.7	5.7	5.7	9.0	13.8	18.7	22.0	23.6
57.5°	5.7	5.7	6.5	9.0	13.8	17.9	22.0	22.8
60°	5.7	5.7	5.7	9.0	13.0	17.1	21.2	22.0
62.5°	4.9	5.7	5.7	8.1	12.2	16.3	20.3	21.2
65°	4.9	4.9	5.7	7.3	11.4	15.5	18.7	20.3
67.5°	4.1	4.9	4.9	6.5	9.8	13.8	17.1	18.7
70°	4.1	4.1	4.1	5.7	9.0	12.2	16.3	17.1
72.5°	3.3	4.1	4.1	4.9	7.3	10.6	13.8	15.5
75°	3.3	3.3	3.3	4.1	6.5	9.8	12.2	13.0
77.5°	2.4	2.4	3.3	3.3	5.7	7.3	10.6	11.4
80°	2.4	2.4	2.4	3.3	4.1	6.5	8.1	9.0
82.5°	1.6	1.6	1.6	2.4	3.3	4.1	5.7	6.5
85°	1.6	1.6	1.6	1.6	2.4	3.3	4.1	4.1
87.5°	0.8	0.8	0.8	1.6	1.6	1.6	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)