

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: CORELITE

Report Number: P1428207

Luminaire Tested: SQ2W-PR1-K-050U-050D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428207  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-PR1-K-050U-050D-L935-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - PERCEIVE RIPPLE LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 500 LUMENS PER FOOT  
UPLIGHT 500 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

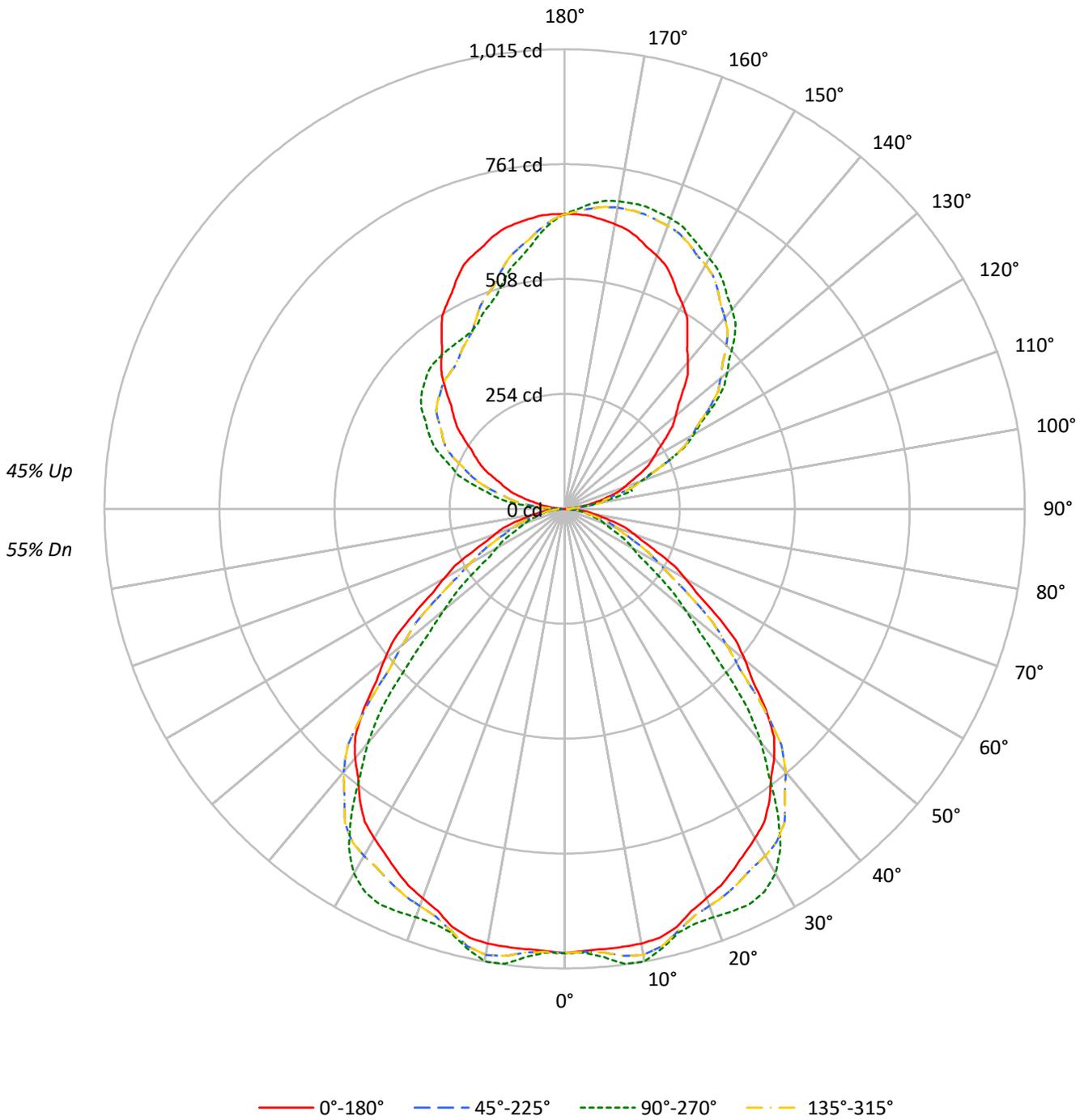
Lumens per Lamp: N/A  
Luminaire Lumens: 4263.4 lumens  
Efficiency: N/A  
Efficacy: 130.4 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 32.7  
Input Voltage (V): 120  
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

TEST NUMBER: P1428207

CATALOG NUMBER: SQ2W-PR1-K-050U-050D-L935-UNV-STD-W-WM-4

### 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	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	55				55
1	100	96	92	89	93	89	86	83	77	74	72	65	64	62	55	54	53	48				48
2	91	84	78	74	85	79	74	69	68	64	61	58	56	53	49	47	46	41				41
3	84	75	68	62	78	70	64	59	61	56	52	52	49	46	44	42	40	36				36
4	77	66	59	53	71	62	55	50	54	49	45	47	43	40	40	37	35	31				31
5	71	60	52	46	66	56	49	44	49	43	39	42	38	35	36	33	30	27				27
6	65	54	46	40	61	50	43	38	44	39	34	38	34	31	33	30	27	24				24
7	61	49	41	35	56	46	39	34	40	35	30	35	31	27	30	27	24	22				22
8	56	44	37	31	52	42	35	30	37	31	27	32	28	24	28	24	22	20				20
9	52	40	33	28	49	38	31	27	34	28	24	30	25	22	26	22	20	18				18
10	49	37	30	25	46	35	29	24	31	26	22	27	23	20	24	20	18	16				16

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	15839	15839	15839	15839
5°	15818	16110	15818	16110
10°	15985	16641	15985	16641
15°	15980	16197	15980	16197
20°	15721	16494	15721	16494
25°	15677	17173	15677	17173
30°	15660	17338	15660	17338
35°	15512	16143	15512	16143
40°	15154	14206	15154	14206
45°	14339	11234	14339	11234
50°	13036	8716	13036	8716
55°	11457	6784	11457	6784
60°	9913	5586	9913	5586
65°	8558	4890	8558	4890
70°	7695	4343	7695	4343
75°	7049	3992	7049	3992
80°	6137	3905	6137	3905
85°	4446	1852	4446	1852

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 15394 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.7	2.2
10°-20°	274.3	6.4
20°-30°	423.9	9.9
30°-40°	509.8	12.0
40°-50°	457.8	10.7
50°-60°	306.8	7.2
60°-70°	178.5	4.2
70°-80°	91.7	2.1
80°-90°	25.3	0.6
90°-100°	51.8	1.2
100°-110°	151.1	3.5
110°-120°	246.5	5.8
120°-130°	312.9	7.3
130°-140°	334.8	7.9
140°-150°	312.6	7.3
150°-160°	257.2	6.0
160°-170°	172.5	4.0
170°-180°	61.3	1.4
0°-30°	792.9	18.6
0°-40°	1302.8	30.6
0°-60°	2067.4	48.5
0°-90°	2362.8	55.4
90°-120°	449.4	10.5
90°-150°	1409.7	33.1
90°-180°	1901.0	44.6
0°-180°	4263.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	981	981	981	981	981	
5°	976	994	976	994	976	93
15°	956	969	956	969	956	268
25°	880	964	880	964	880	406
35°	787	819	787	819	787	491
45°	628	492	628	492	628	480
55°	407	241	407	241	407	366
65°	224	128	224	128	224	227
75°	113	64	113	64	113	120
85°	24	10	24	10	24	30
90°	2	14	2	28	2	2
95°	20	15	20	89	20	25
105°	96	154	96	212	96	102
115°	184	255	184	314	184	181
125°	272	404	272	385	272	244
135°	370	529	370	427	370	286
145°	473	610	473	436	473	296
155°	562	663	562	452	562	258
165°	621	691	621	521	621	175
175°	649	677	649	611	649	62
180°	651	651	651	651	651	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0
2.5°	977.0	982.3	987.7	985.3	980.3	978.0	978.3	978.9	979.9	981.0	979.9
5°	976.0	983.6	991.1	989.3	984.5	982.5	983.3	985.1	989.6	994.0	989.6
7.5°	975.8	986.6	997.3	998.1	995.7	995.7	998.3	1001.7	1007.5	1013.4	1007.5
10°	975.0	987.9	1000.8	1002.7	1000.9	1000.2	1000.7	1002.6	1008.8	1015.0	1008.8
12.5°	970.2	985.2	1000.3	998.7	991.6	987.7	987.1	987.5	990.8	994.2	990.8
15°	956.0	973.8	991.6	984.3	968.8	961.7	963.0	964.6	966.8	969.0	966.8
17.5°	931.0	949.6	968.2	961.7	946.8	941.8	946.6	951.3	955.7	960.0	955.7
20°	915.0	933.2	951.5	947.0	935.0	932.1	938.3	944.9	952.5	960.0	952.5
22.5°	900.6	918.8	937.1	934.2	924.3	923.8	932.5	941.6	952.0	962.4	952.0
25°	880.0	896.0	912.0	912.3	907.5	912.3	927.0	940.9	952.5	964.0	952.5
27.5°	858.4	867.8	877.3	883.5	888.6	901.1	920.9	937.8	945.9	954.0	945.9
30°	840.0	846.2	852.5	864.0	877.3	892.7	910.0	923.8	926.9	930.0	926.9
32.5°	820.0	823.7	827.5	843.7	864.2	879.0	888.1	894.0	890.0	886.0	890.0
35°	787.0	790.1	793.2	814.0	840.7	850.5	843.3	835.9	827.5	819.0	827.5
37.5°	747.8	754.2	760.6	777.5	798.0	797.8	777.0	759.0	749.3	739.6	749.3
40°	719.0	729.7	740.3	751.7	763.2	753.5	722.3	696.2	685.1	674.0	685.1
42.5°	683.8	700.9	717.9	720.5	718.2	697.2	657.5	624.4	610.8	597.2	610.8
45°	628.0	651.1	674.2	661.0	635.7	601.4	558.3	522.2	507.1	492.0	507.1
47.5°	562.2	585.9	609.7	584.7	543.6	503.8	465.3	432.9	418.7	404.6	418.7
50°	519.0	538.1	557.2	529.0	485.0	445.0	409.0	378.1	362.6	347.0	362.6
52.5°	475.0	488.8	502.6	474.6	432.7	393.8	357.8	327.3	313.1	299.0	313.1
55°	407.0	414.1	421.2	395.3	358.4	322.9	288.7	260.6	250.8	241.0	250.8
57.5°	344.6	349.1	353.7	329.1	294.9	263.3	234.2	210.6	203.4	196.2	203.4
60°	307.0	310.1	313.2	288.3	254.1	225.7	203.0	184.6	178.8	173.0	178.8
62.5°	272.6	275.0	277.4	253.4	220.6	195.2	177.1	162.5	158.2	153.8	158.2
65°	224.0	226.2	228.4	208.0	180.0	159.1	145.3	134.2	131.1	128.0	131.1
67.5°	185.4	186.6	187.7	170.9	148.0	131.2	120.3	111.5	108.5	105.6	108.5
70°	163.0	163.4	163.9	149.0	129.0	114.1	104.3	96.4	94.2	92.0	94.2
72.5°	143.0	142.4	141.8	128.5	111.0	98.2	90.2	83.8	82.3	80.8	82.3
75°	113.0	111.7	110.3	99.3	85.1	75.3	70.0	65.8	64.9	64.0	64.9
77.5°	84.4	83.0	81.6	72.4	60.7	53.9	52.1	50.8	50.8	50.8	50.8
80°	66.0	64.2	62.4	55.3	46.4	42.0	42.0	42.0	42.0	42.0	42.0
82.5°	49.2	46.7	44.2	39.9	34.9	32.4	32.4	32.3	32.0	31.6	32.0
85°	24.0	21.8	19.6	19.0	19.0	17.7	15.0	12.7	11.3	10.0	11.3
87.5°	6.8	7.3	8.0	7.2	5.8	5.0	5.0	5.2	5.3	5.3	5.3
90°	2.0	4.6	7.9	10.5	12.5	13.2	13.2	13.8	14.5	14.5	14.5
92.5°	7.2	11.4	11.6	11.6	14.1	15.3	16.3	16.4	17.1	17.1	17.1
95°	20.4	22.4	33.5	32.9	22.4	17.8	15.1	15.1	15.1	15.1	15.1
97.5°	38.9	41.8	43.7	58.5	61.8	59.7	48.7	40.9	36.6	34.6	36.6
100°	55.2	56.5	60.5	61.1	77.6	93.4	85.5	75.6	72.3	70.4	72.3
102.5°	71.5	72.3	78.4	81.1	85.0	93.9	121.2	118.2	116.0	115.6	116.0
105°	96.0	96.7	107.8	113.1	115.7	115.7	115.1	128.2	149.3	153.9	149.3
107.5°	122.2	125.2	138.3	152.4	155.4	156.2	152.8	150.8	150.0	150.6	150.0
110°	140.1	144.7	160.4	178.2	182.8	184.1	182.8	180.8	179.5	179.5	179.5



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	157.4	164.1	182.0	202.4	210.1	214.1	211.2	209.8	208.4	209.5	208.4
115°	184.1	194.0	217.6	238.7	254.5	256.4	255.8	255.8	255.1	255.1	255.1
117.5°	208.8	224.6	251.2	275.6	293.9	299.2	301.8	301.0	300.2	301.5	300.2
120°	226.2	244.6	274.8	302.5	320.2	328.1	330.7	329.4	330.7	329.4	330.7
122.5°	244.6	267.2	296.9	325.6	346.5	355.5	358.6	358.9	359.1	358.4	359.1
125°	272.2	299.8	334.7	364.3	386.0	396.5	399.1	399.8	401.1	404.4	401.1
127.5°	300.1	331.4	369.7	398.2	420.4	433.2	437.3	438.7	441.5	442.9	441.5
130°	319.6	355.1	393.9	420.8	442.5	456.3	463.6	465.5	468.8	468.2	468.8
132.5°	340.1	377.2	416.5	444.5	464.6	479.5	485.6	491.3	492.5	493.4	492.5
135°	370.2	410.3	449.7	477.4	496.4	510.9	518.8	524.0	527.3	529.3	527.3
137.5°	401.9	444.2	482.1	506.7	525.9	538.4	547.3	552.8	556.3	557.8	556.3
140°	423.4	464.2	501.0	526.7	543.8	556.3	564.2	570.7	574.7	574.7	574.7
142.5°	444.0	484.2	520.0	545.6	560.6	572.0	580.5	585.5	589.9	589.9	589.9
145°	472.8	512.9	545.7	571.4	583.9	594.4	603.6	607.6	610.2	610.2	610.2
147.5°	502.9	538.4	568.4	593.0	603.5	615.8	623.1	626.2	629.5	628.1	629.5
150°	520.8	553.6	582.6	605.6	616.1	627.9	635.2	637.8	641.1	639.1	641.1
152.5°	538.1	569.4	595.7	617.2	626.1	637.9	646.2	648.8	651.1	649.6	651.1
155°	561.5	589.1	613.5	633.2	641.1	652.3	660.2	663.4	666.1	662.8	666.1
157.5°	582.4	606.2	627.4	645.6	654.0	663.6	670.9	675.0	677.6	676.2	677.6
160°	595.1	616.8	635.8	652.9	660.8	669.4	677.3	681.9	684.5	682.5	684.5
162.5°	605.6	625.2	643.2	658.7	665.5	673.0	682.5	686.6	689.2	686.7	689.2
165°	620.7	636.5	652.3	665.4	671.3	677.3	687.1	691.7	693.7	691.1	693.7
167.5°	632.1	644.2	657.0	668.3	672.6	678.4	688.3	692.1	694.6	691.3	694.6
170°	638.5	649.0	660.2	669.4	672.6	677.9	687.8	691.1	693.0	689.7	693.0
172.5°	643.7	651.6	660.7	668.8	670.5	674.8	684.1	687.4	688.8	686.1	688.8
175°	649.0	653.6	660.2	665.4	664.8	667.4	675.3	677.9	680.5	676.6	680.5
177.5°	651.5	653.6	655.7	658.8	656.7	656.7	662.5	664.1	664.6	662.5	664.6
180°	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0
2.5°	978.9	978.3	978.0	980.3	985.3	987.7	982.3	977.0	982.3	987.7	985.3
5°	985.1	983.3	982.5	984.5	989.3	991.1	983.6	976.0	983.6	991.1	989.3
7.5°	1001.7	998.3	995.7	995.7	998.1	997.3	986.6	975.8	986.6	997.3	998.1
10°	1002.6	1000.7	1000.2	1000.9	1002.7	1000.8	987.9	975.0	987.9	1000.8	1002.7
12.5°	987.5	987.1	987.7	991.6	998.7	1000.3	985.2	970.2	985.2	1000.3	998.7
15°	964.6	963.0	961.7	968.8	984.3	991.6	973.8	956.0	973.8	991.6	984.3
17.5°	951.3	946.6	941.8	946.8	961.7	968.2	949.6	931.0	949.6	968.2	961.7
20°	944.9	938.3	932.1	935.0	947.0	951.5	933.2	915.0	933.2	951.5	947.0
22.5°	941.6	932.5	923.8	924.3	934.2	937.1	918.8	900.6	918.8	937.1	934.2
25°	940.9	927.0	912.3	907.5	912.3	912.0	896.0	880.0	896.0	912.0	912.3
27.5°	937.8	920.9	901.1	888.6	883.5	877.3	867.8	858.4	867.8	877.3	883.5
30°	923.8	910.0	892.7	877.3	864.0	852.5	846.2	840.0	846.2	852.5	864.0
32.5°	894.0	888.1	879.0	864.2	843.7	827.5	823.7	820.0	823.7	827.5	843.7
35°	835.9	843.3	850.5	840.7	814.0	793.2	790.1	787.0	790.1	793.2	814.0
37.5°	759.0	777.0	797.8	798.0	777.5	760.6	754.2	747.8	754.2	760.6	777.5
40°	696.2	722.3	753.5	763.2	751.7	740.3	729.7	719.0	729.7	740.3	751.7
42.5°	624.4	657.5	697.2	718.2	720.5	717.9	700.9	683.8	700.9	717.9	720.5
45°	522.2	558.3	601.4	635.7	661.0	674.2	651.1	628.0	651.1	674.2	661.0
47.5°	432.9	465.3	503.8	543.6	584.7	609.7	585.9	562.2	585.9	609.7	584.7
50°	378.1	409.0	445.0	485.0	529.0	557.2	538.1	519.0	538.1	557.2	529.0
52.5°	327.3	357.8	393.8	432.7	474.6	502.6	488.8	475.0	488.8	502.6	474.6
55°	260.6	288.7	322.9	358.4	395.3	421.2	414.1	407.0	414.1	421.2	395.3
57.5°	210.6	234.2	263.3	294.9	329.1	353.7	349.1	344.6	349.1	353.7	329.1
60°	184.6	203.0	225.7	254.1	288.3	313.2	310.1	307.0	310.1	313.2	288.3
62.5°	162.5	177.1	195.2	220.6	253.4	277.4	275.0	272.6	275.0	277.4	253.4
65°	134.2	145.3	159.1	180.0	208.0	228.4	226.2	224.0	226.2	228.4	208.0
67.5°	111.5	120.3	131.2	148.0	170.9	187.7	186.6	185.4	186.6	187.7	170.9
70°	96.4	104.3	114.1	129.0	149.0	163.9	163.4	163.0	163.4	163.9	149.0
72.5°	83.8	90.2	98.2	111.0	128.5	141.8	142.4	143.0	142.4	141.8	128.5
75°	65.8	70.0	75.3	85.1	99.3	110.3	111.7	113.0	111.7	110.3	99.3
77.5°	50.8	52.1	53.9	60.7	72.4	81.6	83.0	84.4	83.0	81.6	72.4
80°	42.0	42.0	42.0	46.4	55.3	62.4	64.2	66.0	64.2	62.4	55.3
82.5°	32.3	32.4	32.4	34.9	39.9	44.2	46.7	49.2	46.7	44.2	39.9
85°	12.7	15.0	17.7	19.0	19.0	19.6	21.8	24.0	21.8	19.6	19.0
87.5°	5.2	5.0	5.0	5.8	7.2	8.0	7.3	6.8	7.3	7.8	7.4
90°	13.8	13.2	13.2	12.5	10.5	7.9	4.6	2.0	4.6	7.2	11.8
92.5°	16.4	16.3	15.3	14.1	11.6	11.6	11.4	7.2	12.5	17.8	25.5
95°	15.1	15.1	17.8	22.4	32.9	33.5	22.4	20.4	28.9	40.8	51.3
97.5°	40.9	48.7	59.7	61.8	58.5	43.7	41.8	38.9	53.0	64.7	81.7
100°	75.6	85.5	93.4	77.6	61.1	60.5	56.5	55.2	70.4	81.5	98.0
102.5°	118.2	121.2	93.9	85.0	81.1	78.4	72.3	71.5	86.7	102.0	115.9
105°	128.2	115.1	115.7	115.7	113.1	107.8	96.7	96.0	113.1	130.8	147.9
107.5°	150.8	152.8	156.2	155.4	152.4	138.3	125.2	122.2	137.6	158.9	177.7
110°	180.8	182.8	184.1	182.8	178.2	160.4	144.7	140.1	153.9	176.2	196.6



TEST NUMBER: P1428207

CATALOG NUMBER: SQ2W-PR1-K-050U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	209.8	211.2	214.1	210.1	202.4	182.0	164.1	157.4	171.2	194.1	215.0
115°	255.8	255.8	256.4	254.5	238.7	217.6	194.0	184.1	195.9	217.0	240.0
117.5°	301.0	301.8	299.2	293.9	275.6	251.2	224.6	208.8	218.2	240.4	264.1
120°	329.4	330.7	328.1	320.2	302.5	274.8	244.6	226.2	233.4	255.1	278.8
122.5°	358.9	358.6	355.5	346.5	325.6	296.9	267.2	244.6	247.6	267.7	290.9
125°	399.8	399.1	396.5	386.0	364.3	334.7	299.8	272.2	268.3	285.4	309.0
127.5°	438.7	437.3	433.2	420.4	398.2	369.7	331.4	300.1	291.3	302.1	323.8
130°	465.5	463.6	456.3	442.5	420.8	393.9	355.1	319.6	307.1	313.6	332.7
132.5°	491.3	485.6	479.5	464.6	444.5	416.5	377.2	340.1	322.8	325.7	340.6
135°	524.0	518.8	510.9	496.4	477.4	449.7	410.3	370.2	346.5	343.9	352.4
137.5°	552.8	547.3	538.4	525.9	506.7	482.1	444.2	401.9	372.0	363.2	366.5
140°	570.7	564.2	556.3	543.8	526.7	501.0	464.2	423.4	389.9	377.4	375.4
142.5°	585.5	580.5	572.0	560.6	545.6	520.0	484.2	444.0	408.3	392.1	387.5
145°	607.6	603.6	594.4	583.9	571.4	545.7	512.9	472.8	437.3	416.2	406.4
147.5°	626.2	623.1	615.8	603.5	593.0	568.4	538.4	502.9	466.4	440.4	427.7
150°	637.8	635.2	627.9	616.1	605.6	582.6	553.6	520.8	485.9	458.3	441.9
152.5°	648.8	646.2	637.9	626.1	617.2	595.7	569.4	538.1	502.7	475.1	458.2
155°	663.4	660.2	652.3	641.1	633.2	613.5	589.1	561.5	531.3	502.3	483.3
157.5°	675.0	670.9	663.6	654.0	645.6	627.4	606.2	582.4	556.0	528.4	508.9
160°	681.9	677.3	669.4	660.8	652.9	635.8	616.8	595.1	570.7	545.7	524.7
162.5°	686.6	682.5	673.0	665.5	658.7	643.2	625.2	605.6	583.9	562.1	542.6
165°	691.7	687.1	677.3	671.3	665.4	652.3	636.5	620.7	602.3	584.5	568.8
167.5°	692.1	688.3	678.4	672.6	668.3	657.0	644.2	632.1	617.8	603.9	590.7
170°	691.1	687.8	677.9	672.6	669.4	660.2	649.0	638.5	627.3	615.4	604.9
172.5°	687.4	684.1	674.8	670.5	668.8	660.7	651.6	643.7	634.1	625.4	617.0
175°	677.9	675.3	667.4	664.8	665.4	660.2	653.6	649.0	643.1	637.8	633.2
177.5°	664.1	662.5	656.7	656.7	658.8	655.7	653.6	651.5	648.8	647.3	645.7
180°	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9



TEST NUMBER: P1428207

CATALOG NUMBER: SQ2W-PR1-K-050U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0
2.5°	980.3	978.0	978.3	978.9	979.9	981.0	979.9	978.9	978.3	978.0	980.3
5°	984.5	982.5	983.3	985.1	989.6	994.0	989.6	985.1	983.3	982.5	984.5
7.5°	995.7	995.7	998.3	1001.7	1007.5	1013.4	1007.5	1001.7	998.3	995.7	995.7
10°	1000.9	1000.2	1000.7	1002.6	1008.8	1015.0	1008.8	1002.6	1000.7	1000.2	1000.9
12.5°	991.6	987.7	987.1	987.5	990.8	994.2	990.8	987.5	987.1	987.7	991.6
15°	968.8	961.7	963.0	964.6	966.8	969.0	966.8	964.6	963.0	961.7	968.8
17.5°	946.8	941.8	946.6	951.3	955.7	960.0	955.7	951.3	946.6	941.8	946.8
20°	935.0	932.1	938.3	944.9	952.5	960.0	952.5	944.9	938.3	932.1	935.0
22.5°	924.3	923.8	932.5	941.6	952.0	962.4	952.0	941.6	932.5	923.8	924.3
25°	907.5	912.3	927.0	940.9	952.5	964.0	952.5	940.9	927.0	912.3	907.5
27.5°	888.6	901.1	920.9	937.8	945.9	954.0	945.9	937.8	920.9	901.1	888.6
30°	877.3	892.7	910.0	923.8	926.9	930.0	926.9	923.8	910.0	892.7	877.3
32.5°	864.2	879.0	888.1	894.0	890.0	886.0	890.0	894.0	888.1	879.0	864.2
35°	840.7	850.5	843.3	835.9	827.5	819.0	827.5	835.9	843.3	850.5	840.7
37.5°	798.0	797.8	777.0	759.0	749.3	739.6	749.3	759.0	777.0	797.8	798.0
40°	763.2	753.5	722.3	696.2	685.1	674.0	685.1	696.2	722.3	753.5	763.2
42.5°	718.2	697.2	657.5	624.4	610.8	597.2	610.8	624.4	657.5	697.2	718.2
45°	635.7	601.4	558.3	522.2	507.1	492.0	507.1	522.2	558.3	601.4	635.7
47.5°	543.6	503.8	465.3	432.9	418.7	404.6	418.7	432.9	465.3	503.8	543.6
50°	485.0	445.0	409.0	378.1	362.6	347.0	362.6	378.1	409.0	445.0	485.0
52.5°	432.7	393.8	357.8	327.3	313.1	299.0	313.1	327.3	357.8	393.8	432.7
55°	358.4	322.9	288.7	260.6	250.8	241.0	250.8	260.6	288.7	322.9	358.4
57.5°	294.9	263.3	234.2	210.6	203.4	196.2	203.4	210.6	234.2	263.3	294.9
60°	254.1	225.7	203.0	184.6	178.8	173.0	178.8	184.6	203.0	225.7	254.1
62.5°	220.6	195.2	177.1	162.5	158.2	153.8	158.2	162.5	177.1	195.2	220.6
65°	180.0	159.1	145.3	134.2	131.1	128.0	131.1	134.2	145.3	159.1	180.0
67.5°	148.0	131.2	120.3	111.5	108.5	105.6	108.5	111.5	120.3	131.2	148.0
70°	129.0	114.1	104.3	96.4	94.2	92.0	94.2	96.4	104.3	114.1	129.0
72.5°	111.0	98.2	90.2	83.8	82.3	80.8	82.3	83.8	90.2	98.2	111.0
75°	85.1	75.3	70.0	65.8	64.9	64.0	64.9	65.8	70.0	75.3	85.1
77.5°	60.7	53.9	52.1	50.8	50.8	50.8	50.8	50.8	52.1	53.9	60.7
80°	46.4	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	46.4
82.5°	34.9	32.4	32.4	32.3	32.0	31.6	32.0	32.3	32.4	32.4	34.9
85°	19.0	17.7	15.0	12.7	11.3	10.0	11.3	12.7	15.0	17.7	19.0
87.5°	6.3	6.3	7.3	7.8	8.3	8.1	8.3	7.8	7.3	6.3	6.3
90°	15.1	19.7	24.3	27.0	29.6	28.3	29.6	27.0	24.3	19.7	15.1
92.5°	30.4	38.1	43.8	48.5	50.6	50.4	50.6	48.5	43.8	38.1	30.4
95°	61.1	70.4	79.6	86.1	90.1	88.8	90.1	86.1	79.6	70.4	61.1
97.5°	94.3	106.7	116.9	123.1	127.0	129.7	127.0	123.1	116.9	106.7	94.3
100°	116.4	128.2	140.1	147.3	153.9	156.5	153.9	147.3	140.1	128.2	116.4
102.5°	134.3	149.8	162.7	170.4	176.0	178.6	176.0	170.4	162.7	149.8	134.3
105°	163.7	180.2	194.0	203.8	209.8	211.7	209.8	203.8	194.0	180.2	163.7
107.5°	193.2	210.1	222.9	233.8	241.0	245.3	241.0	233.8	222.9	210.1	193.2
110°	216.3	230.1	243.9	253.8	261.0	263.7	261.0	253.8	243.9	230.1	216.3



TEST NUMBER: P1428207

CATALOG NUMBER: SQ2W-PR1-K-050U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	235.8	251.2	265.0	274.8	283.1	286.8	283.1	274.8	265.0	251.2	235.8
115°	263.0	283.4	295.9	305.1	311.0	314.3	311.0	305.1	295.9	283.4	263.0
117.5°	285.6	306.9	320.6	327.7	330.5	332.8	330.5	327.7	320.6	306.9	285.6
120°	299.8	319.6	335.3	344.5	347.8	349.1	347.8	344.5	335.3	319.6	299.8
122.5°	313.0	331.7	346.9	358.2	363.6	364.9	363.6	358.2	346.9	331.7	313.0
125°	331.4	349.1	364.9	376.1	382.0	385.3	382.0	376.1	364.9	349.1	331.4
127.5°	347.4	366.6	381.1	391.2	397.0	399.6	397.0	391.2	381.1	366.6	347.4
130°	356.4	376.1	390.6	401.7	407.0	409.6	407.0	401.7	390.6	376.1	356.4
132.5°	363.2	384.0	399.0	409.1	414.9	417.5	414.9	409.1	399.0	384.0	363.2
135°	371.5	393.2	409.0	418.8	424.1	426.7	424.1	418.8	409.0	393.2	371.5
137.5°	378.7	398.5	414.9	425.3	430.0	431.7	430.0	425.3	414.9	398.5	378.7
140°	384.0	401.1	417.5	427.4	432.7	433.3	432.7	427.4	401.1	384.0	384.0
142.5°	390.8	404.2	418.6	428.4	433.7	434.9	433.7	428.4	418.6	404.2	390.8
145°	403.1	411.0	420.8	430.0	434.6	435.9	434.6	430.0	420.8	411.0	403.1
147.5°	418.4	420.9	426.1	432.1	436.6	437.5	436.6	432.1	426.1	420.9	418.4
150°	430.0	429.4	431.3	435.3	439.2	438.6	439.2	435.3	431.3	429.4	430.0
152.5°	443.2	439.4	439.2	441.1	442.9	442.8	442.9	441.1	439.2	439.4	443.2
155°	465.5	458.3	454.3	453.0	453.0	452.4	453.0	453.0	454.3	458.3	465.5
157.5°	490.1	480.0	474.1	470.9	470.0	468.6	470.0	470.9	474.1	480.0	490.1
160°	507.0	495.8	489.9	484.6	482.6	480.7	482.6	484.6	489.9	495.8	507.0
162.5°	522.7	512.1	505.6	500.9	498.9	495.9	498.9	500.9	505.6	512.1	522.7
165°	548.4	537.2	530.0	526.0	523.4	520.8	523.4	526.0	530.0	537.2	548.4
167.5°	574.0	561.8	557.1	552.6	550.1	545.4	550.1	552.6	557.1	561.8	574.0
170°	589.8	578.6	576.0	572.0	567.4	562.2	567.4	572.0	576.0	578.6	589.8
172.5°	603.5	596.0	593.4	589.4	588.0	583.8	588.0	589.4	593.4	596.0	603.5
175°	623.3	617.4	617.4	616.8	614.8	610.8	614.8	616.8	617.4	617.4	623.3
177.5°	639.9	636.7	638.9	638.9	638.3	634.6	638.3	638.9	638.9	636.7	639.9
180°	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9



TEST NUMBER: P1428207

CATALOG NUMBER: SQ2W-PR1-K-050U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	981.0	981.0	981.0	981.0
2.5°	985.3	987.7	982.3	977.0
5°	989.3	991.1	983.6	976.0
7.5°	998.1	997.3	986.6	975.8
10°	1002.7	1000.8	987.9	975.0
12.5°	998.7	1000.3	985.2	970.2
15°	984.3	991.6	973.8	956.0
17.5°	961.7	968.2	949.6	931.0
20°	947.0	951.5	933.2	915.0
22.5°	934.2	937.1	918.8	900.6
25°	912.3	912.0	896.0	880.0
27.5°	883.5	877.3	867.8	858.4
30°	864.0	852.5	846.2	840.0
32.5°	843.7	827.5	823.7	820.0
35°	814.0	793.2	790.1	787.0
37.5°	777.5	760.6	754.2	747.8
40°	751.7	740.3	729.7	719.0
42.5°	720.5	717.9	700.9	683.8
45°	661.0	674.2	651.1	628.0
47.5°	584.7	609.7	585.9	562.2
50°	529.0	557.2	538.1	519.0
52.5°	474.6	502.6	488.8	475.0
55°	395.3	421.2	414.1	407.0
57.5°	329.1	353.7	349.1	344.6
60°	288.3	313.2	310.1	307.0
62.5°	253.4	277.4	275.0	272.6
65°	208.0	228.4	226.2	224.0
67.5°	170.9	187.7	186.6	185.4
70°	149.0	163.9	163.4	163.0
72.5°	128.5	141.8	142.4	143.0
75°	99.3	110.3	111.7	113.0
77.5°	72.4	81.6	83.0	84.4
80°	55.3	62.4	64.2	66.0
82.5°	39.9	44.2	46.7	49.2
85°	19.0	19.6	21.8	24.0
87.5°	7.4	7.8	7.3	6.8
90°	11.8	7.2	4.6	2.0
92.5°	25.5	17.8	12.5	7.2
95°	51.3	40.8	28.9	20.4
97.5°	81.7	64.7	53.0	38.9
100°	98.0	81.5	70.4	55.2
102.5°	115.9	102.0	86.7	71.5
105°	147.9	130.8	113.1	96.0
107.5°	177.7	158.9	137.6	122.2
110°	196.6	176.2	153.9	140.1

TEST NUMBER: P1428207

CATALOG NUMBER: SQ2W-PR1-K-050U-050D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	215.0	194.1	171.2	157.4
115°	240.0	217.0	195.9	184.1
117.5°	264.1	240.4	218.2	208.8
120°	278.8	255.1	233.4	226.2
122.5°	290.9	267.7	247.6	244.6
125°	309.0	285.4	268.3	272.2
127.5°	323.8	302.1	291.3	300.1
130°	332.7	313.6	307.1	319.6
132.5°	340.6	325.7	322.8	340.1
135°	352.4	343.9	346.5	370.2
137.5°	366.5	363.2	372.0	401.9
140°	375.4	377.4	389.9	423.4
142.5°	387.5	392.1	408.3	444.0
145°	406.4	416.2	437.3	472.8
147.5°	427.7	440.4	466.4	502.9
150°	441.9	458.3	485.9	520.8
152.5°	458.2	475.1	502.7	538.1
155°	483.3	502.3	531.3	561.5
157.5°	508.9	528.4	556.0	582.4
160°	524.7	545.7	570.7	595.1
162.5°	542.6	562.1	583.9	605.6
165°	568.8	584.5	602.3	620.7
167.5°	590.7	603.9	617.8	632.1
170°	604.9	615.4	627.3	638.5
172.5°	617.0	625.4	634.1	643.7
175°	633.2	637.8	643.1	649.0
177.5°	645.7	647.3	648.8	651.5
180°	650.9	650.9	650.9	650.9



TEST NUMBER: P1428207

CATALOG NUMBER: SQ2W-PR1-K-050U-050D-L935-UNV-STD-W-WM-4

**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	16.76	17.63	17.68	18.56	19.75	13.13	14.00	14.05	14.93	16.12
	3H	17.97	18.74	18.90	19.68	20.90	14.29	15.07	15.22	16.01	17.23
	4H	18.46	19.19	19.40	20.13	21.36	14.76	15.49	15.70	16.43	17.66
	6H	18.75	19.43	19.71	20.38	21.62	15.10	15.77	16.06	16.72	17.96
	8H	18.86	19.50	19.82	20.46	21.70	15.24	15.88	16.20	16.84	18.08
	12H	18.90	19.50	19.86	20.46	21.73	15.27	15.88	16.24	16.84	18.10
4H	2H	16.87	17.60	17.82	18.54	19.77	13.84	14.57	14.79	15.52	16.75
	3H	18.33	18.93	19.29	19.91	21.15	15.20	15.80	16.16	16.78	18.02
	4H	18.96	19.51	19.93	20.48	21.75	15.75	16.30	16.71	17.27	18.53
	6H	19.39	19.86	20.37	20.86	22.12	16.18	16.65	17.16	17.64	18.91
	8H	19.55	19.99	20.53	20.98	22.26	16.36	16.80	17.35	17.79	19.07
	12H	19.61	20.01	20.62	21.01	22.30	16.41	16.81	17.41	17.81	19.10
8H	4H	18.98	19.43	19.97	20.41	21.69	16.07	16.51	17.06	17.50	18.78
	6H	19.52	19.88	20.52	20.91	22.19	16.61	16.98	17.62	18.01	19.29
	8H	19.75	20.07	20.77	21.09	22.38	16.88	17.20	17.89	18.21	19.51
	12H	19.87	20.15	20.89	21.16	22.50	16.97	17.25	17.99	18.26	19.61
12H	4H	18.94	19.34	19.94	20.34	21.63	16.09	16.49	17.09	17.49	18.78
	6H	19.50	19.83	20.52	20.84	22.14	16.69	17.01	17.70	18.02	19.32
	8H	19.76	20.04	20.77	21.05	22.39	16.97	17.26	17.99	18.27	19.61