

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: P1428422

Luminaire Tested: SQ2W-PW1-K-100U-050D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428422  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-PW1-K-100U-050D-L930-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - PERCEIVE WAVES LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 500 LUMENS PER FOOT  
UPLIGHT 1000 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

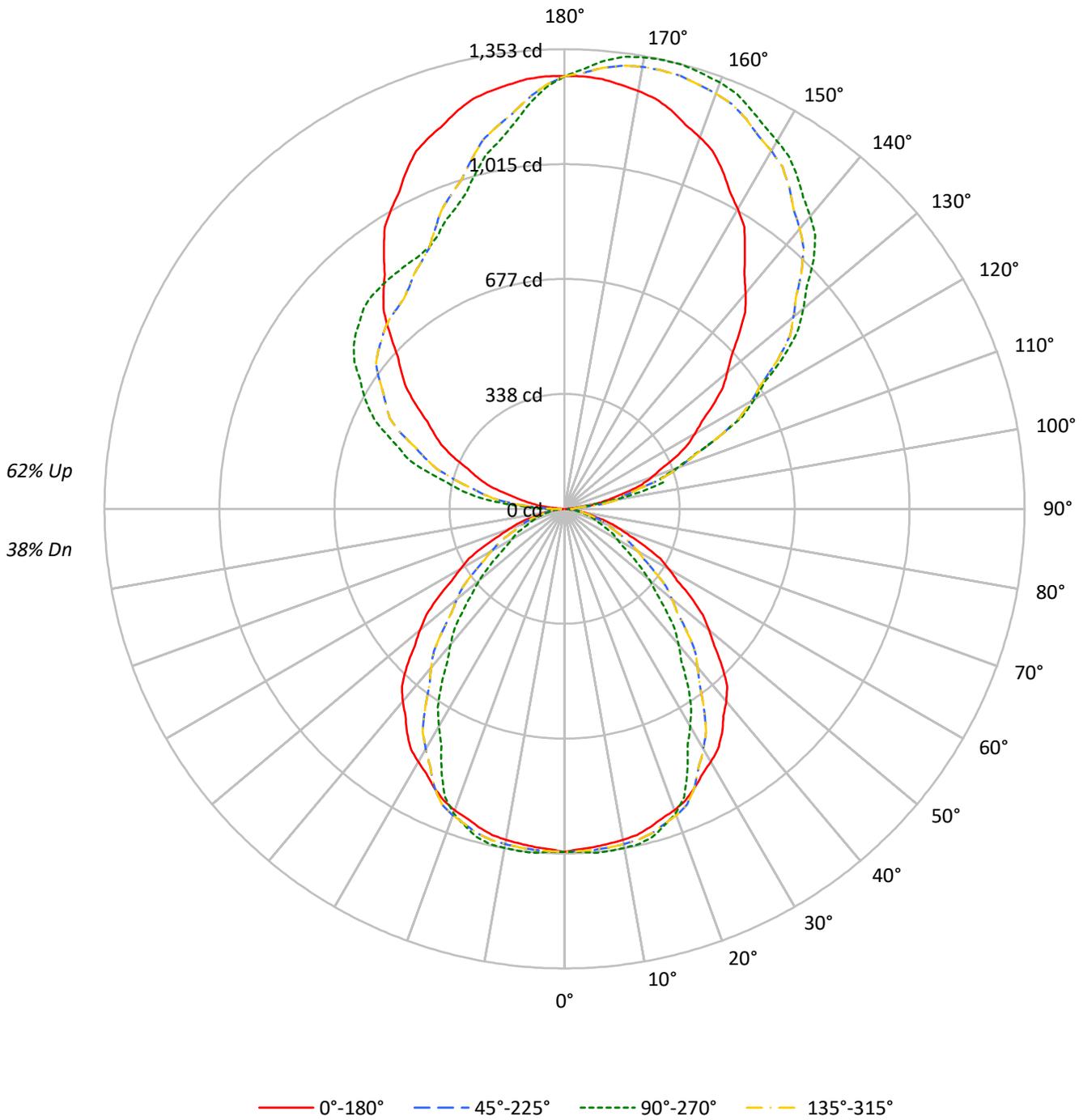
Lumens per Lamp: N/A  
Luminaire Lumens: 5964.8 lumens  
Efficiency: N/A  
Efficacy: 117.2 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 50.9  
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

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CATALOG NUMBER: SQ2W-PW1-K-100U-050D-L930-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	0
RCR																		
0	104	104	104	104	95	95	95	95	76	76	76	60	60	60	45	45	45	38
1	95	91	88	84	86	83	80	77	68	65	64	53	52	51	40	39	39	33
2	87	80	74	70	79	73	68	64	60	56	53	47	45	43	36	34	33	28
3	80	71	64	58	72	65	59	54	53	49	45	42	39	37	32	30	29	24
4	73	63	55	50	66	58	51	46	47	43	39	38	35	32	29	27	25	21
5	67	56	48	43	61	51	45	40	42	37	34	34	31	28	26	24	22	19
6	62	50	43	37	56	46	39	35	38	33	29	31	27	24	24	22	20	16
7	57	46	38	33	52	42	35	30	35	30	26	28	24	22	22	19	18	15
8	53	41	34	29	48	38	31	27	32	27	23	26	22	19	20	18	16	13
9	50	38	31	26	45	35	28	24	29	24	21	24	20	18	19	16	14	12
10	46	35	28	23	42	32	26	22	27	22	19	22	18	16	17	15	13	11

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

	0°	90°	180°	270°
0°	16305	16305	16305	16305
5°	16196	16476	16196	16476
10°	16226	16619	16226	16619
15°	16222	16720	16222	16720
20°	16228	16393	16228	16393
25°	16140	15232	16140	15232
30°	16031	13772	16031	13772
35°	15906	12435	15906	12435
40°	15588	10987	15588	10987
45°	14979	9597	14979	9597
50°	13940	8214	13940	8214
55°	12751	6660	12751	6660
60°	11428	5745	11428	5745
65°	9994	5108	9994	5108
70°	8171	4631	8171	4631
75°	6363	4261	6363	4261
80°	4742	3756	4742	3756
85°	3205	2130	3205	2130

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 14979 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.2	1.6
10°-20°	278.6	4.7
20°-30°	410.0	6.9
30°-40°	448.3	7.5
40°-50°	402.2	6.7
50°-60°	300.0	5.0
60°-70°	189.6	3.2
70°-80°	93.9	1.6
80°-90°	27.3	0.5
90°-100°	101.4	1.7
100°-110°	295.6	5.0
110°-120°	482.4	8.1
120°-130°	612.1	10.3
130°-140°	655.0	11.0
140°-150°	611.6	10.3
150°-160°	503.3	8.4
160°-170°	337.5	5.7
170°-180°	119.8	2.0
0°-30°	784.8	13.2
0°-40°	1233.2	20.7
0°-60°	1935.4	32.4
0°-90°	2246.2	37.7
90°-120°	879.3	14.7
90°-150°	2758.0	46.2
90°-180°	3719.0	62.3
0°-180°	5964.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1010	1010	1010	1010	1010	
5°	999	1017	999	1017	999	95
15°	970	1000	970	1000	970	274
25°	906	855	906	855	906	417
35°	807	631	807	631	807	503
45°	656	420	656	420	656	503
55°	453	237	453	237	453	405
65°	262	134	262	134	262	259
75°	102	68	102	68	102	112
85°	17	12	17	12	17	22
90°	4	28	4	55	4	4
95°	40	30	40	174	40	48
105°	188	301	188	414	188	200
115°	360	499	360	615	360	355
125°	533	791	533	754	533	477
135°	724	1036	724	835	724	560
145°	925	1194	925	853	925	579
155°	1099	1297	1099	885	1099	505
165°	1214	1352	1214	1019	1214	342
175°	1270	1324	1270	1195	1270	120
180°	1274	1274	1274	1274	1274	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9
2.5°	1003.0	1008.8	1014.6	1013.2	1009.5	1007.8	1008.1	1008.6	1009.6	1010.7	1009.6
5°	999.3	1006.6	1013.9	1012.8	1008.9	1007.2	1007.7	1008.9	1012.8	1016.6	1012.8
7.5°	994.3	1001.7	1009.0	1008.7	1005.8	1005.0	1006.5	1008.5	1012.3	1016.1	1012.3
10°	989.7	997.4	1005.1	1005.1	1002.5	1002.3	1004.4	1006.9	1010.3	1013.7	1010.3
12.5°	983.5	991.6	999.6	1000.2	998.3	998.6	1001.1	1003.8	1007.2	1010.7	1007.2
15°	970.5	979.0	987.6	989.4	989.0	990.2	993.2	996.0	998.1	1000.3	998.1
17.5°	955.3	963.8	972.4	974.1	973.5	973.5	974.3	975.1	976.2	977.2	976.2
20°	944.5	953.0	961.6	962.8	961.5	959.4	956.4	954.1	954.1	954.1	954.1
22.5°	929.1	938.3	947.6	947.6	944.6	939.1	931.0	924.2	921.5	918.7	921.5
25°	906.0	915.0	924.0	919.8	911.3	898.6	882.0	867.9	861.5	855.0	861.5
27.5°	879.1	886.4	893.6	882.7	865.8	845.5	821.8	801.8	793.0	784.1	793.0
30°	859.9	865.4	871.0	853.8	829.0	803.5	777.5	755.8	747.2	738.7	747.2
32.5°	839.9	842.0	844.1	821.4	790.5	761.5	734.4	711.7	702.5	693.3	702.5
35°	807.0	803.1	799.3	769.1	730.2	697.1	669.7	647.2	639.1	630.9	639.1
37.5°	768.1	756.6	745.2	711.2	669.8	634.7	606.1	582.3	573.4	564.4	573.4
40°	739.6	723.4	707.1	670.7	627.5	591.6	563.0	539.3	530.3	521.3	530.3
42.5°	708.1	687.7	667.4	629.9	586.7	550.8	522.2	498.4	489.1	479.8	489.1
45°	656.0	632.0	608.1	569.1	525.0	489.1	461.3	438.3	429.3	420.3	429.3
47.5°	597.3	573.5	549.7	510.8	466.9	431.5	404.5	382.4	374.7	367.0	374.7
50°	555.0	531.9	508.8	471.6	429.7	395.3	368.4	345.8	336.4	327.0	336.4
52.5°	511.9	491.2	470.5	434.7	393.8	359.6	332.0	308.0	295.2	282.4	295.2
55°	453.0	433.3	413.7	379.9	341.4	306.8	276.0	251.1	243.9	236.6	243.9
57.5°	392.4	375.4	358.4	328.0	293.2	261.9	233.9	211.4	205.5	199.5	205.5
60°	353.9	339.0	324.0	295.0	261.2	232.5	209.0	189.9	183.9	177.9	183.9
62.5°	317.0	303.8	290.5	262.6	229.9	204.2	185.4	170.2	165.2	160.2	165.2
65°	261.6	251.8	241.9	219.0	191.6	170.2	154.9	142.2	138.0	133.7	138.0
67.5°	207.8	202.3	196.8	179.6	158.5	141.2	127.7	116.8	114.0	111.2	114.0
70°	173.1	171.4	169.7	155.5	137.1	122.4	111.2	102.4	100.2	98.1	100.2
72.5°	143.1	143.8	144.5	132.7	116.7	104.3	95.6	88.7	87.2	85.8	87.2
75°	102.0	105.4	108.8	101.0	89.4	80.7	74.7	70.0	69.1	68.3	69.1
77.5°	69.4	74.6	79.7	74.6	66.2	59.7	55.3	51.8	51.1	50.4	51.1
80°	51.0	56.1	61.2	57.7	51.3	46.4	43.0	40.4	40.4	40.4	40.4
82.5°	35.6	39.7	43.8	41.3	36.6	33.4	31.7	30.4	30.4	30.4	30.4
85°	17.3	19.4	21.6	20.8	19.1	17.0	14.4	12.4	12.0	11.5	12.0
87.5°	5.4	7.4	9.8	9.8	8.8	8.1	7.7	7.7	8.0	8.0	8.0
90°	3.9	9.0	15.4	20.6	24.4	25.7	25.7	27.0	28.3	28.3	28.3
92.5°	14.2	22.4	22.6	22.6	27.5	29.8	31.9	32.2	33.4	33.4	33.4
95°	39.9	43.7	65.6	64.3	43.7	34.7	29.6	29.6	29.6	29.6	29.6
97.5°	76.2	81.8	85.4	114.5	120.9	116.8	95.2	80.0	71.5	67.7	71.5
100°	108.1	110.6	118.4	119.6	151.8	182.7	167.2	147.9	141.5	137.6	141.5
102.5°	140.0	141.5	153.3	158.7	166.2	183.7	237.2	231.3	226.9	226.2	226.9
105°	187.8	189.1	211.0	221.3	226.4	226.4	225.1	250.9	292.0	301.0	292.0
107.5°	239.0	244.9	270.7	298.2	304.1	305.7	299.0	295.1	293.6	294.6	293.6
110°	274.0	283.0	313.9	348.6	357.6	360.2	357.6	353.8	351.2	351.2	351.2



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	308.0	321.1	356.1	396.0	411.1	418.9	413.2	410.4	407.8	409.9	407.8
115°	360.2	379.5	425.8	467.0	497.9	501.7	500.4	500.4	499.1	499.1	499.1
117.5°	408.6	439.5	491.4	539.3	575.0	585.3	590.5	588.9	587.4	590.0	587.4
120°	442.5	478.6	537.7	591.8	626.5	641.9	647.1	644.5	647.1	644.5	647.1
122.5°	478.6	522.8	581.0	637.0	678.0	695.5	701.6	702.1	702.7	701.1	702.7
125°	532.6	586.6	654.8	712.7	755.1	775.7	780.9	782.2	784.7	791.2	784.7
127.5°	587.1	648.4	723.2	779.1	822.6	847.5	855.5	858.3	863.7	866.6	863.7
130°	625.2	694.7	770.6	823.3	865.8	892.8	906.9	910.8	917.2	916.0	917.2
132.5°	665.4	737.9	814.8	869.6	909.0	938.1	950.2	961.2	963.5	965.4	963.5
135°	724.3	802.7	879.9	934.0	971.3	999.6	1015.0	1025.3	1031.7	1035.6	1031.7
137.5°	786.3	869.1	943.2	991.3	1028.9	1053.3	1070.8	1081.6	1088.3	1091.4	1088.3
140°	828.5	908.2	980.3	1030.4	1063.9	1088.3	1103.8	1116.6	1124.4	1124.4	1124.4
142.5°	868.6	947.3	1017.3	1067.5	1096.8	1119.2	1135.7	1145.5	1154.2	1154.2	1154.2
145°	925.0	1003.4	1067.8	1117.9	1142.4	1162.9	1181.0	1188.7	1193.8	1193.8	1193.8
147.5°	983.9	1053.3	1112.0	1160.1	1180.7	1204.9	1219.0	1225.2	1231.6	1228.8	1231.6
150°	1018.9	1083.2	1139.8	1184.8	1205.4	1228.6	1242.7	1247.9	1254.3	1250.4	1254.3
152.5°	1052.8	1114.1	1165.5	1207.5	1225.0	1248.1	1264.3	1269.5	1273.8	1271.0	1273.8
155°	1098.6	1152.7	1200.3	1238.8	1254.3	1276.2	1291.6	1298.0	1303.2	1296.7	1303.2
157.5°	1139.5	1186.1	1227.5	1263.0	1279.5	1298.3	1312.7	1320.7	1325.8	1323.0	1325.8
160°	1164.2	1206.7	1244.0	1277.4	1292.9	1309.6	1325.0	1334.0	1339.2	1335.3	1339.2
162.5°	1184.8	1223.2	1258.4	1288.8	1302.1	1316.8	1335.3	1343.3	1348.5	1343.6	1348.5
165°	1214.4	1245.3	1276.2	1301.9	1313.5	1325.0	1344.3	1353.3	1357.2	1352.1	1357.2
167.5°	1236.8	1260.5	1285.4	1307.5	1316.0	1327.4	1346.7	1354.1	1359.0	1352.6	1359.0
170°	1249.1	1269.7	1291.6	1309.6	1316.0	1326.3	1345.6	1352.1	1355.9	1349.5	1355.9
172.5°	1259.4	1274.9	1292.6	1308.6	1311.9	1320.2	1338.4	1344.9	1347.7	1342.3	1347.7
175°	1269.7	1278.7	1291.6	1301.9	1300.6	1305.7	1321.2	1326.3	1331.5	1323.8	1331.5
177.5°	1274.6	1278.7	1282.8	1289.0	1284.9	1284.9	1296.2	1299.3	1300.3	1296.2	1300.3
180°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9
2.5°	1008.6	1008.1	1007.8	1009.5	1013.2	1014.6	1008.8	1003.0	1008.8	1014.6	1013.2
5°	1008.9	1007.7	1007.2	1008.9	1012.8	1013.9	1006.6	999.3	1006.6	1013.9	1012.8
7.5°	1008.5	1006.5	1005.0	1005.8	1008.7	1009.0	1001.7	994.3	1001.7	1009.0	1008.7
10°	1006.9	1004.4	1002.3	1002.5	1005.1	1005.1	997.4	989.7	997.4	1005.1	1005.1
12.5°	1003.8	1001.1	998.6	998.3	1000.2	999.6	991.6	983.5	991.6	999.6	1000.2
15°	996.0	993.2	990.2	989.0	989.4	987.6	979.0	970.5	979.0	987.6	989.4
17.5°	975.1	974.3	973.5	973.5	974.1	972.4	963.8	955.3	963.8	972.4	974.1
20°	954.1	956.4	959.4	961.5	962.8	961.6	953.0	944.5	953.0	961.6	962.8
22.5°	924.2	931.0	939.1	944.6	947.6	947.6	938.3	929.1	938.3	947.6	947.6
25°	867.9	882.0	898.6	911.3	919.8	924.0	915.0	906.0	915.0	924.0	919.8
27.5°	801.8	821.8	845.5	865.8	882.7	893.6	886.4	879.1	886.4	893.6	882.7
30°	755.8	777.5	803.5	829.0	853.8	871.0	865.4	859.9	865.4	871.0	853.8
32.5°	711.7	734.4	761.5	790.5	821.4	844.1	842.0	839.9	842.0	844.1	821.4
35°	647.2	669.7	697.1	730.2	769.1	799.3	803.1	807.0	803.1	799.3	769.1
37.5°	582.3	606.1	634.7	669.8	711.2	745.2	756.6	768.1	756.6	745.2	711.2
40°	539.3	563.0	591.6	627.5	670.7	707.1	723.4	739.6	723.4	707.1	670.7
42.5°	498.4	522.2	550.8	586.7	629.9	667.4	687.7	708.1	687.7	667.4	629.9
45°	438.3	461.3	489.1	525.0	569.1	608.1	632.0	656.0	632.0	608.1	569.1
47.5°	382.4	404.5	431.5	466.9	510.8	549.7	573.5	597.3	573.5	549.7	510.8
50°	345.8	368.4	395.3	429.7	471.6	508.8	531.9	555.0	531.9	508.8	471.6
52.5°	308.0	332.0	359.6	393.8	434.7	470.5	491.2	511.9	491.2	470.5	434.7
55°	251.1	276.0	306.8	341.4	379.9	413.7	433.3	453.0	433.3	413.7	379.9
57.5°	211.4	233.9	261.9	293.2	328.0	358.4	375.4	392.4	375.4	358.4	328.0
60°	189.9	209.0	232.5	261.2	295.0	324.0	339.0	353.9	339.0	324.0	295.0
62.5°	170.2	185.4	204.2	229.9	262.6	290.5	303.8	317.0	303.8	290.5	262.6
65°	142.2	154.9	170.2	191.6	219.0	241.9	251.8	261.6	251.8	241.9	219.0
67.5°	116.8	127.7	141.2	158.5	179.6	196.8	202.3	207.8	202.3	196.8	179.6
70°	102.4	111.2	122.4	137.1	155.5	169.7	171.4	173.1	171.4	169.7	155.5
72.5°	88.7	95.6	104.3	116.7	132.7	144.5	143.8	143.1	143.8	144.5	132.7
75°	70.0	74.7	80.7	89.4	101.0	108.8	105.4	102.0	105.4	108.8	101.0
77.5°	51.8	55.3	59.7	66.2	74.6	79.7	74.6	69.4	74.6	79.7	74.6
80°	40.4	43.0	46.4	51.3	57.7	61.2	56.1	51.0	56.1	61.2	57.7
82.5°	30.4	31.7	33.4	36.6	41.3	43.8	39.7	35.6	39.7	43.8	41.3
85°	12.4	14.4	17.0	19.1	20.8	21.6	19.4	17.3	19.4	21.6	20.8
87.5°	7.7	7.7	8.1	8.8	9.8	9.8	7.4	5.4	7.4	9.5	10.3
90°	27.0	25.7	25.7	24.4	20.6	15.4	9.0	3.9	9.0	14.2	23.2
92.5°	32.2	31.9	29.8	27.5	22.6	22.6	22.4	14.2	24.4	34.7	49.9
95°	29.6	29.6	34.7	43.7	64.3	65.6	43.7	39.9	56.6	79.8	100.3
97.5°	80.0	95.2	116.8	120.9	114.5	85.4	81.8	76.2	103.7	126.6	159.8
100°	147.9	167.2	182.7	151.8	119.6	118.4	110.6	108.1	137.6	159.5	191.7
102.5°	231.3	237.2	183.7	166.2	158.7	153.3	141.5	140.0	169.6	199.7	226.7
105°	250.9	225.1	226.4	226.4	221.3	211.0	189.1	187.8	221.3	256.0	289.5
107.5°	295.1	299.0	305.7	304.1	298.2	270.7	244.9	239.0	269.1	310.8	347.6
110°	353.8	357.6	360.2	357.6	348.6	313.9	283.0	274.0	301.0	344.8	384.6



TEST NUMBER: P1428422

CATALOG NUMBER: SQ2W-PW1-K-100U-050D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	410.4	413.2	418.9	411.1	396.0	356.1	321.1	308.0	335.0	379.8	420.7
115°	500.4	500.4	501.7	497.9	467.0	425.8	379.5	360.2	383.4	424.5	469.6
117.5°	588.9	590.5	585.3	575.0	539.3	491.4	439.5	408.6	426.8	470.3	516.6
120°	644.5	647.1	641.9	626.5	591.8	537.7	478.6	442.5	456.7	499.1	545.5
122.5°	702.1	701.6	695.5	678.0	637.0	581.0	522.8	478.6	484.5	523.8	569.1
125°	782.2	780.9	775.7	755.1	712.7	654.8	586.6	532.6	524.9	558.3	604.6
127.5°	858.3	855.5	847.5	822.6	779.1	723.2	648.4	587.1	569.9	591.0	633.4
130°	910.8	906.9	892.8	865.8	823.3	770.6	694.7	625.2	600.8	613.6	650.9
132.5°	961.2	950.2	938.1	909.0	869.6	814.8	737.9	665.4	631.6	637.3	666.4
135°	1025.3	1015.0	999.6	971.3	934.0	879.9	802.7	724.3	678.0	672.8	689.5
137.5°	1081.6	1070.8	1053.3	1028.9	991.3	943.2	869.1	786.3	727.9	710.6	717.1
140°	1116.6	1103.8	1088.3	1063.9	1030.4	980.3	908.2	828.5	762.9	738.4	734.6
142.5°	1145.5	1135.7	1119.2	1096.8	1067.5	1017.3	947.3	868.6	798.9	767.2	758.2
145°	1188.7	1181.0	1162.9	1142.4	1117.9	1067.8	1003.4	925.0	855.5	814.3	795.0
147.5°	1225.2	1219.0	1204.9	1180.7	1160.1	1112.0	1053.3	983.9	912.6	861.7	836.7
150°	1247.9	1242.7	1228.6	1205.4	1184.8	1139.8	1083.2	1018.9	950.7	896.7	864.5
152.5°	1269.5	1264.3	1248.1	1225.0	1207.5	1165.5	1114.1	1052.8	983.6	929.6	896.4
155°	1298.0	1291.6	1276.2	1254.3	1238.8	1200.3	1152.7	1098.6	1039.4	982.8	945.5
157.5°	1320.7	1312.7	1298.3	1279.5	1263.0	1227.5	1186.1	1139.5	1087.8	1033.8	995.7
160°	1334.0	1325.0	1309.6	1292.9	1277.4	1244.0	1206.7	1164.2	1116.6	1067.8	1026.6
162.5°	1343.3	1335.3	1316.8	1302.1	1288.8	1258.4	1223.2	1184.8	1142.4	1099.7	1061.6
165°	1353.3	1344.3	1325.0	1313.5	1301.9	1276.2	1245.3	1214.4	1178.4	1143.7	1112.8
167.5°	1354.1	1346.7	1327.4	1316.0	1307.5	1285.4	1260.5	1236.8	1208.7	1181.5	1155.7
170°	1352.1	1345.6	1326.3	1316.0	1309.6	1291.6	1269.7	1249.1	1227.3	1204.1	1183.5
172.5°	1344.9	1338.4	1320.2	1311.9	1308.6	1292.6	1274.9	1259.4	1240.7	1223.7	1207.2
175°	1326.3	1321.2	1305.7	1300.6	1301.9	1291.6	1278.7	1269.7	1258.1	1247.9	1238.8
177.5°	1299.3	1296.2	1284.9	1284.9	1289.0	1282.8	1278.7	1274.6	1269.5	1266.4	1263.3
180°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6



TEST NUMBER: P1428422

CATALOG NUMBER: SQ2W-PW1-K-100U-050D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9
2.5°	1009.5	1007.8	1008.1	1008.6	1009.6	1010.7	1009.6	1008.6	1008.1	1007.8	1009.5
5°	1008.9	1007.2	1007.7	1008.9	1012.8	1016.6	1012.8	1008.9	1007.7	1007.2	1008.9
7.5°	1005.8	1005.0	1006.5	1008.5	1012.3	1016.1	1012.3	1008.5	1006.5	1005.0	1005.8
10°	1002.5	1002.3	1004.4	1006.9	1010.3	1013.7	1010.3	1006.9	1004.4	1002.3	1002.5
12.5°	998.3	998.6	1001.1	1003.8	1007.2	1010.7	1007.2	1003.8	1001.1	998.6	998.3
15°	989.0	990.2	993.2	996.0	998.1	1000.3	998.1	996.0	993.2	990.2	989.0
17.5°	973.5	973.5	974.3	975.1	976.2	977.2	976.2	975.1	974.3	973.5	973.5
20°	961.5	959.4	956.4	954.1	954.1	954.1	954.1	954.1	956.4	959.4	961.5
22.5°	944.6	939.1	931.0	924.2	921.5	918.7	921.5	924.2	931.0	939.1	944.6
25°	911.3	898.6	882.0	867.9	861.5	855.0	861.5	867.9	882.0	898.6	911.3
27.5°	865.8	845.5	821.8	801.8	793.0	784.1	793.0	801.8	821.8	845.5	865.8
30°	829.0	803.5	777.5	755.8	747.2	738.7	747.2	755.8	777.5	803.5	829.0
32.5°	790.5	761.5	734.4	711.7	702.5	693.3	702.5	711.7	734.4	761.5	790.5
35°	730.2	697.1	669.7	647.2	639.1	630.9	639.1	647.2	669.7	697.1	730.2
37.5°	669.8	634.7	606.1	582.3	573.4	564.4	573.4	582.3	606.1	634.7	669.8
40°	627.5	591.6	563.0	539.3	530.3	521.3	530.3	539.3	563.0	591.6	627.5
42.5°	586.7	550.8	522.2	498.4	489.1	479.8	489.1	498.4	522.2	550.8	586.7
45°	525.0	489.1	461.3	438.3	429.3	420.3	429.3	438.3	461.3	489.1	525.0
47.5°	466.9	431.5	404.5	382.4	374.7	367.0	374.7	382.4	404.5	431.5	466.9
50°	429.7	395.3	368.4	345.8	336.4	327.0	336.4	345.8	368.4	395.3	429.7
52.5°	393.8	359.6	332.0	308.0	295.2	282.4	295.2	308.0	332.0	359.6	393.8
55°	341.4	306.8	276.0	251.1	243.9	236.6	243.9	251.1	276.0	306.8	341.4
57.5°	293.2	261.9	233.9	211.4	205.5	199.5	205.5	211.4	233.9	261.9	293.2
60°	261.2	232.5	209.0	189.9	183.9	177.9	183.9	189.9	209.0	232.5	261.2
62.5°	229.9	204.2	185.4	170.2	165.2	160.2	165.2	170.2	185.4	204.2	229.9
65°	191.6	170.2	154.9	142.2	138.0	133.7	138.0	142.2	154.9	170.2	191.6
67.5°	158.5	141.2	127.7	116.8	114.0	111.2	114.0	116.8	127.7	141.2	158.5
70°	137.1	122.4	111.2	102.4	100.2	98.1	100.2	102.4	111.2	122.4	137.1
72.5°	116.7	104.3	95.6	88.7	87.2	85.8	87.2	88.7	95.6	104.3	116.7
75°	89.4	80.7	74.7	70.0	69.1	68.3	69.1	70.0	74.7	80.7	89.4
77.5°	66.2	59.7	55.3	51.8	51.1	50.4	51.1	51.8	55.3	59.7	66.2
80°	51.3	46.4	43.0	40.4	40.4	40.4	40.4	40.4	43.0	46.4	51.3
82.5°	36.6	33.4	31.7	30.4	30.4	30.4	30.4	30.4	31.7	33.4	36.6
85°	19.1	17.0	14.4	12.4	12.0	11.5	12.0	12.4	14.4	17.0	19.1
87.5°	9.9	10.6	12.1	12.9	13.9	13.4	13.9	12.9	12.1	10.6	9.9
90°	29.6	38.6	47.6	52.7	57.9	55.3	57.9	52.7	47.6	38.6	29.6
92.5°	59.4	74.6	85.7	94.9	99.1	98.5	99.1	94.9	85.7	74.6	59.4
95°	119.6	137.6	155.7	168.5	176.2	173.7	176.2	168.5	155.7	137.6	119.6
97.5°	184.5	208.7	228.7	240.8	248.5	253.7	248.5	240.8	228.7	208.7	184.5
100°	227.7	250.9	274.0	288.2	301.0	306.2	301.0	288.2	274.0	250.9	227.7
102.5°	262.7	293.1	318.3	333.4	344.3	349.4	344.3	333.4	318.3	293.1	262.7
105°	320.3	352.5	379.5	398.8	410.4	414.2	410.4	398.8	379.5	352.5	320.3
107.5°	378.0	411.1	436.1	457.5	471.6	479.8	471.6	457.5	436.1	411.1	378.0
110°	423.2	450.3	477.3	496.6	510.7	515.9	510.7	496.6	477.3	450.3	423.2



TEST NUMBER: P1428422

CATALOG NUMBER: SQ2W-PW1-K-100U-050D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	461.3	491.4	518.4	537.7	553.9	561.1	553.9	537.7	518.4	491.4	461.3
115°	514.6	554.5	578.9	596.9	608.5	614.9	608.5	596.9	578.9	554.5	514.6
117.5°	558.8	600.5	627.3	641.2	646.6	651.2	646.6	641.2	627.3	600.5	558.8
120°	586.6	625.2	656.1	674.1	680.5	683.1	680.5	674.1	656.1	625.2	586.6
122.5°	612.3	648.9	678.7	700.9	711.4	714.0	711.4	700.9	678.7	648.9	612.3
125°	648.4	683.1	714.0	735.8	747.4	753.9	747.4	735.8	714.0	683.1	648.4
127.5°	679.8	717.3	745.6	765.4	776.8	781.9	776.8	765.4	745.6	717.3	679.8
130°	697.3	735.8	764.1	786.0	796.3	801.5	796.3	786.0	764.1	735.8	697.3
132.5°	710.6	751.3	780.6	800.4	811.7	816.9	811.7	800.4	780.6	751.3	710.6
135°	726.8	769.3	800.2	819.5	829.8	834.9	829.8	819.5	800.2	769.3	726.8
137.5°	741.0	779.6	811.7	832.1	841.3	844.7	841.3	832.1	811.7	779.6	741.0
140°	751.3	784.7	816.9	836.2	846.5	847.8	846.5	836.2	816.9	784.7	751.3
142.5°	764.7	790.9	819.0	838.2	848.5	850.9	848.5	838.2	819.0	790.9	764.7
145°	788.6	804.0	823.3	841.3	850.3	852.9	850.3	841.3	823.3	804.0	788.6
147.5°	818.7	823.6	833.6	845.5	854.2	856.0	854.2	845.5	833.6	823.6	818.7
150°	841.3	840.1	843.9	851.6	859.3	858.1	859.3	851.6	843.9	840.1	841.3
152.5°	867.1	859.6	859.3	862.9	866.6	866.3	866.6	862.9	859.3	859.6	867.1
155°	910.8	896.7	888.9	886.4	886.4	885.1	886.4	886.4	888.9	896.7	910.8
157.5°	958.9	939.1	927.5	921.4	919.6	916.7	919.6	921.4	927.5	939.1	958.9
160°	991.9	970.0	958.4	948.1	944.3	940.4	944.3	948.1	958.4	970.0	991.9
162.5°	1022.7	1001.9	989.3	980.0	976.2	970.2	976.2	980.0	989.3	1001.9	1022.7
165°	1072.9	1051.0	1036.9	1029.2	1024.0	1018.9	1024.0	1029.2	1036.9	1051.0	1072.9
167.5°	1123.1	1099.1	1089.9	1081.1	1076.2	1067.0	1076.2	1081.1	1089.9	1099.1	1123.1
170°	1153.9	1132.1	1126.9	1119.2	1110.2	1099.9	1110.2	1119.2	1126.9	1132.1	1153.9
172.5°	1180.7	1166.0	1160.9	1153.2	1150.3	1142.1	1150.3	1153.2	1160.9	1166.0	1180.7
175°	1219.6	1208.0	1208.0	1206.7	1202.8	1195.1	1202.8	1206.7	1208.0	1208.0	1219.6
177.5°	1252.0	1245.8	1249.9	1249.9	1248.9	1241.7	1248.9	1249.9	1249.9	1245.8	1252.0
180°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6



TEST NUMBER: P1428422

CATALOG NUMBER: SQ2W-PW1-K-100U-050D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1009.9	1009.9	1009.9	1009.9
2.5°	1013.2	1014.6	1008.8	1003.0
5°	1012.8	1013.9	1006.6	999.3
7.5°	1008.7	1009.0	1001.7	994.3
10°	1005.1	1005.1	997.4	989.7
12.5°	1000.2	999.6	991.6	983.5
15°	989.4	987.6	979.0	970.5
17.5°	974.1	972.4	963.8	955.3
20°	962.8	961.6	953.0	944.5
22.5°	947.6	947.6	938.3	929.1
25°	919.8	924.0	915.0	906.0
27.5°	882.7	893.6	886.4	879.1
30°	853.8	871.0	865.4	859.9
32.5°	821.4	844.1	842.0	839.9
35°	769.1	799.3	803.1	807.0
37.5°	711.2	745.2	756.6	768.1
40°	670.7	707.1	723.4	739.6
42.5°	629.9	667.4	687.7	708.1
45°	569.1	608.1	632.0	656.0
47.5°	510.8	549.7	573.5	597.3
50°	471.6	508.8	531.9	555.0
52.5°	434.7	470.5	491.2	511.9
55°	379.9	413.7	433.3	453.0
57.5°	328.0	358.4	375.4	392.4
60°	295.0	324.0	339.0	353.9
62.5°	262.6	290.5	303.8	317.0
65°	219.0	241.9	251.8	261.6
67.5°	179.6	196.8	202.3	207.8
70°	155.5	169.7	171.4	173.1
72.5°	132.7	144.5	143.8	143.1
75°	101.0	108.8	105.4	102.0
77.5°	74.6	79.7	74.6	69.4
80°	57.7	61.2	56.1	51.0
82.5°	41.3	43.8	39.7	35.6
85°	20.8	21.6	19.4	17.3
87.5°	10.3	9.5	7.4	5.4
90°	23.2	14.2	9.0	3.9
92.5°	49.9	34.7	24.4	14.2
95°	100.3	79.8	56.6	39.9
97.5°	159.8	126.6	103.7	76.2
100°	191.7	159.5	137.6	108.1
102.5°	226.7	199.7	169.6	140.0
105°	289.5	256.0	221.3	187.8
107.5°	347.6	310.8	269.1	239.0
110°	384.6	344.8	301.0	274.0



TEST NUMBER: P1428422

CATALOG NUMBER: SQ2W-PW1-K-100U-050D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	420.7	379.8	335.0	308.0
115°	469.6	424.5	383.4	360.2
117.5°	516.6	470.3	426.8	408.6
120°	545.5	499.1	456.7	442.5
122.5°	569.1	523.8	484.5	478.6
125°	604.6	558.3	524.9	532.6
127.5°	633.4	591.0	569.9	587.1
130°	650.9	613.6	600.8	625.2
132.5°	666.4	637.3	631.6	665.4
135°	689.5	672.8	678.0	724.3
137.5°	717.1	710.6	727.9	786.3
140°	734.6	738.4	762.9	828.5
142.5°	758.2	767.2	798.9	868.6
145°	795.0	814.3	855.5	925.0
147.5°	836.7	861.7	912.6	983.9
150°	864.5	896.7	950.7	1018.9
152.5°	896.4	929.6	983.6	1052.8
155°	945.5	982.8	1039.4	1098.6
157.5°	995.7	1033.8	1087.8	1139.5
160°	1026.6	1067.8	1116.6	1164.2
162.5°	1061.6	1099.7	1142.4	1184.8
165°	1112.8	1143.7	1178.4	1214.4
167.5°	1155.7	1181.5	1208.7	1236.8
170°	1183.5	1204.1	1227.3	1249.1
172.5°	1207.2	1223.7	1240.7	1259.4
175°	1238.8	1247.9	1258.1	1269.7
177.5°	1263.3	1266.4	1269.5	1274.6
180°	1273.6	1273.6	1273.6	1273.6



TEST NUMBER: P1428422  
 CATALOG NUMBER: SQ2W-PW1-K-100U-050D-L930-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	15.33	16.07	16.40	17.13	18.57	11.58	12.32	12.64	13.38	14.82
	3H	16.63	17.28	17.70	18.35	19.81	12.84	13.50	13.91	14.57	16.03
	4H	17.03	17.65	18.11	18.72	20.19	13.34	13.96	14.42	15.03	16.50
	6H	17.20	17.77	18.30	18.85	20.33	13.64	14.21	14.74	15.29	16.77
	8H	17.24	17.79	18.34	18.88	20.35	13.75	14.30	14.85	15.39	16.86
	12H	17.24	17.75	18.34	18.84	20.33	13.78	14.30	14.88	15.38	16.87
4H	2H	15.45	16.07	16.54	17.14	18.61	12.38	13.00	13.47	14.07	15.53
	3H	16.98	17.49	18.08	18.59	20.07	13.81	14.33	14.91	15.43	16.90
	4H	17.52	17.99	18.62	19.08	20.58	14.38	14.86	15.49	15.95	17.45
	6H	17.82	18.23	18.93	19.34	20.83	14.76	15.17	15.87	16.28	17.77
	8H	17.91	18.29	19.02	19.40	20.90	14.91	15.29	16.02	16.39	17.90
	12H	17.93	18.27	19.05	19.39	20.90	14.95	15.29	16.07	16.41	17.92
8H	4H	17.55	17.93	18.66	19.03	20.54	14.72	15.10	15.83	16.20	17.71
	6H	17.97	18.28	19.10	19.42	20.93	15.21	15.52	16.34	16.67	18.17
	8H	18.14	18.41	19.27	19.54	21.06	15.43	15.70	16.56	16.83	18.35
	12H	18.21	18.45	19.35	19.57	21.13	15.50	15.74	16.64	16.87	18.43
12H	4H	17.50	17.84	18.63	18.96	20.47	14.73	15.07	15.86	16.19	17.70
	6H	17.96	18.23	19.10	19.36	20.88	15.28	15.56	16.42	16.68	18.21
	8H	18.14	18.38	19.28	19.51	21.07	15.52	15.76	16.66	16.88	18.45