

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: P1428116

Luminaire Tested: SQ2W-PP3-K-125U-075D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428116  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-PP3-K-125U-075D-L930-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - PERCEIVE PRISM LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 750 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

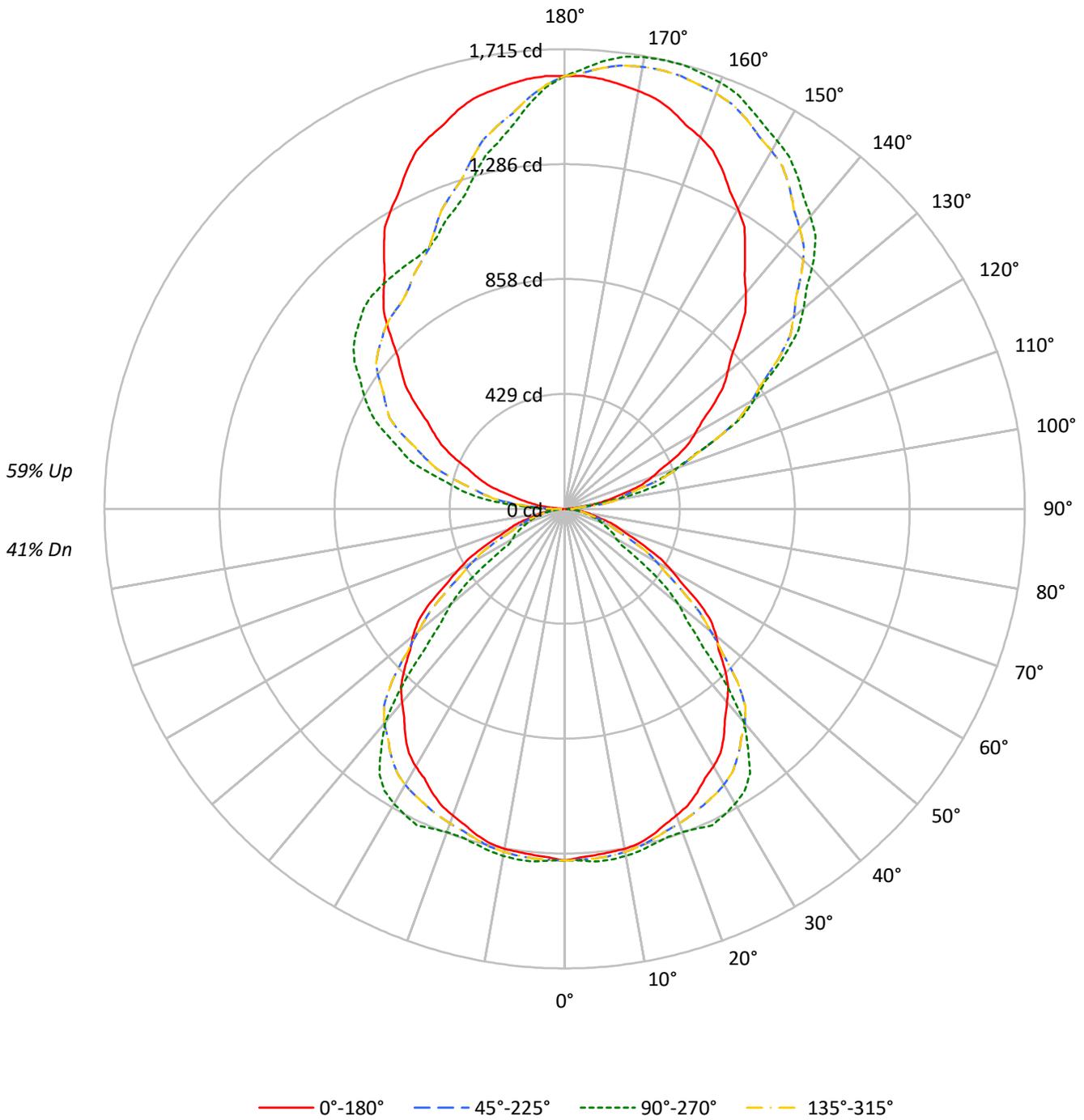
Lumens per Lamp: N/A  
Luminaire Lumens: 8027.0 lumens  
Efficiency: N/A  
Efficacy: 113.5 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 70.7  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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	0
RCR																		
0	105	105	105	105	96	96	96	96	78	78	78	63	63	63	48	48	48	41
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41	36
2	88	81	75	70	80	74	69	65	61	58	55	49	47	45	38	37	36	31
3	80	71	64	59	73	65	59	55	54	50	46	44	41	38	34	32	31	26
4	74	63	56	50	67	58	52	47	48	44	40	39	36	33	31	29	27	23
5	68	57	49	43	62	52	45	40	43	38	34	35	32	29	28	25	23	20
6	62	51	43	37	57	47	40	35	39	34	30	32	28	25	25	23	21	18
7	58	46	38	33	53	42	35	31	35	30	26	29	25	22	23	20	18	16
8	53	42	34	29	49	38	32	27	32	27	23	27	23	20	21	19	16	14
9	50	38	31	26	45	35	29	24	30	25	21	24	21	18	20	17	15	13
10	46	35	28	23	42	32	26	22	27	22	19	23	19	16	18	15	14	12

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

	0°	90°	180°	270°
0°	21191	21191	21191	21191
5°	21026	21408	21026	21408
10°	21133	21564	21133	21564
15°	21081	21614	21081	21614
20°	20931	22051	20931	22051
25°	20811	23209	20811	23209
30°	20694	23694	20694	23694
35°	20402	23737	20402	23737
40°	19856	21932	19856	21932
45°	19262	16696	19262	16696
50°	18504	13905	18504	13905
55°	17224	9998	17224	9998
60°	14831	7169	14831	7169
65°	12508	7049	12508	7049
70°	10414	6746	10414	6746
75°	8827	6319	8827	6319
80°	7485	5672	7485	5672
85°	5909	3075	5909	3075

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 40°  
 Vertical Angle: 45°  
 Luminance: 21071 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	125.0	1.6
10°-20°	361.7	4.5
20°-30°	566.7	7.1
30°-40°	699.0	8.7
40°-50°	658.1	8.2
50°-60°	466.0	5.8
60°-70°	265.5	3.3
70°-80°	131.4	1.6
80°-90°	38.8	0.5
90°-100°	128.5	1.6
100°-110°	374.8	4.7
110°-120°	611.6	7.6
120°-130°	776.1	9.7
130°-140°	830.4	10.3
140°-150°	775.4	9.7
150°-160°	638.1	7.9
160°-170°	427.9	5.3
170°-180°	151.9	1.9
0°-30°	1053.4	13.1
0°-40°	1752.4	21.8
0°-60°	2876.5	35.8
0°-90°	3312.3	41.3
90°-120°	1114.9	13.9
90°-150°	3496.8	43.6
90°-180°	4715.0	58.7
0°-180°	8027.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1312	1312	1312	1312	1312	
5°	1297	1321	1297	1321	1297	124
15°	1261	1293	1261	1293	1261	355
25°	1168	1303	1168	1303	1168	538
35°	1035	1204	1035	1204	1035	646
45°	844	731	844	731	844	649
55°	612	355	612	355	612	540
65°	327	184	327	184	327	329
75°	142	101	142	101	142	153
85°	32	17	32	17	32	38
90°	5	36	5	70	5	5
95°	51	38	51	220	51	61
105°	238	382	238	525	238	253
115°	457	633	457	780	457	450
125°	675	1003	675	956	675	604
135°	918	1313	918	1058	918	710
145°	1173	1514	1173	1081	1173	734
155°	1393	1644	1393	1122	1393	640
165°	1540	1714	1540	1292	1540	433
175°	1610	1678	1610	1515	1610	153
180°	1615	1615	1615	1615	1615	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5
2.5°	1302.6	1310.9	1319.3	1317.4	1311.9	1309.7	1310.7	1311.7	1312.7	1313.7	1312.7
5°	1297.3	1307.8	1318.3	1316.7	1311.2	1309.0	1310.2	1312.2	1316.6	1320.9	1316.6
7.5°	1292.3	1303.0	1313.7	1312.4	1306.9	1305.3	1307.4	1310.3	1315.6	1320.9	1315.6
10°	1289.0	1298.2	1307.5	1306.1	1301.1	1300.2	1303.3	1306.7	1311.0	1315.3	1311.0
12.5°	1279.0	1287.7	1296.5	1295.3	1290.9	1290.7	1294.8	1298.8	1302.6	1306.4	1302.6
15°	1261.2	1269.2	1277.2	1277.4	1274.9	1276.5	1282.0	1287.0	1290.0	1293.1	1290.0
17.5°	1237.1	1246.8	1256.6	1258.8	1258.6	1262.4	1270.3	1277.0	1280.2	1283.4	1280.2
20°	1218.2	1229.9	1241.6	1245.5	1246.7	1252.3	1262.1	1271.1	1277.2	1283.4	1277.2
22.5°	1198.2	1211.9	1225.6	1230.7	1232.9	1241.4	1256.2	1270.0	1280.6	1291.2	1280.6
25°	1168.2	1181.8	1195.4	1205.2	1213.9	1229.0	1250.6	1270.8	1286.8	1302.8	1286.8
27.5°	1133.3	1146.7	1160.2	1177.1	1195.3	1216.5	1240.8	1262.2	1274.9	1287.6	1274.9
30°	1110.0	1122.9	1135.9	1155.3	1176.9	1200.3	1225.6	1247.5	1259.2	1270.9	1259.2
32.5°	1081.1	1094.6	1108.0	1128.7	1151.7	1176.9	1204.1	1227.3	1238.0	1248.7	1238.0
35°	1035.1	1048.0	1061.0	1085.0	1112.8	1140.8	1169.2	1192.0	1198.2	1204.3	1198.2
37.5°	982.1	996.7	1011.4	1038.4	1069.5	1093.0	1108.9	1120.9	1121.3	1121.6	1121.3
40°	942.1	961.2	980.3	1007.3	1036.9	1053.2	1056.3	1056.6	1048.6	1040.6	1048.6
42.5°	903.2	927.8	952.3	974.0	994.7	999.0	986.8	968.7	933.1	897.4	933.1
45°	843.6	872.6	901.5	914.8	922.8	895.7	833.4	780.5	755.9	731.2	755.9
47.5°	780.0	808.6	837.3	833.6	819.2	778.1	710.4	655.3	638.3	621.3	638.3
50°	736.7	763.9	791.0	771.4	736.3	690.0	632.7	585.7	569.6	553.6	569.6
52.5°	687.9	712.1	736.3	706.7	659.2	610.5	560.5	517.0	492.6	468.1	492.6
55°	611.9	628.5	645.2	612.8	564.1	510.4	451.9	402.1	378.6	355.2	378.6
57.5°	520.3	532.0	543.7	518.3	480.4	427.1	358.2	300.1	273.8	247.5	273.8
60°	459.3	468.5	477.8	454.6	420.7	369.8	302.0	247.9	234.9	222.0	234.9
62.5°	403.8	412.0	420.3	396.2	361.3	315.8	259.8	216.7	212.1	207.6	212.1
65°	327.4	335.5	343.5	318.2	281.8	246.4	211.8	185.8	185.2	184.5	185.2
67.5°	260.6	269.3	278.1	254.3	219.6	193.4	175.7	162.1	161.4	160.7	161.4
70°	220.6	229.9	239.1	216.9	184.2	163.0	153.1	145.4	144.1	142.9	144.1
72.5°	187.3	196.1	204.8	185.5	156.7	139.1	132.7	127.7	127.0	126.3	127.0
75°	141.5	148.3	155.1	141.1	120.1	108.1	105.0	102.5	101.9	101.3	101.9
77.5°	102.7	107.0	111.3	102.1	88.4	80.8	79.2	77.8	77.2	76.6	77.2
80°	80.5	82.3	84.2	77.7	68.4	63.5	62.9	62.3	61.7	61.0	61.7
82.5°	60.5	59.9	59.3	55.5	50.7	48.0	47.4	46.6	45.5	44.4	45.5
85°	31.9	30.7	29.4	28.2	27.0	25.1	22.7	20.3	18.5	16.6	18.5
87.5°	11.0	12.3	13.9	13.4	11.9	10.7	10.2	10.2	10.5	10.5	10.5
90°	4.9	11.4	19.6	26.1	31.0	32.6	32.6	34.3	35.9	35.9	35.9
92.5°	17.9	28.4	28.7	28.7	34.9	37.8	40.4	40.8	42.4	42.4	42.4
95°	50.6	55.5	83.2	81.6	55.5	44.0	37.5	37.5	37.5	37.5	37.5
97.5°	96.6	103.7	108.3	145.2	153.3	148.1	120.7	101.5	90.7	85.8	90.7
100°	137.0	140.3	150.1	151.7	192.5	231.6	212.0	187.6	179.4	174.5	179.4
102.5°	177.5	179.4	194.4	201.3	210.7	232.9	300.8	293.3	287.7	286.7	287.7
105°	238.1	239.8	267.5	280.5	287.1	287.1	285.4	318.1	370.2	381.7	370.2
107.5°	303.0	310.5	343.2	378.1	385.6	387.5	379.1	374.2	372.2	373.5	372.2
110°	347.4	358.8	398.0	442.0	453.4	456.7	453.4	448.5	445.3	445.3	445.3



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	390.5	407.1	451.5	502.0	521.3	531.1	523.9	520.3	517.0	519.6	517.0
115°	456.7	481.2	539.9	592.1	631.2	636.1	634.5	634.5	632.8	632.8	632.8
117.5°	518.0	557.2	623.1	683.7	729.1	742.1	748.6	746.7	744.7	748.0	744.7
120°	561.1	606.7	681.8	750.3	794.3	813.9	820.4	817.1	820.4	817.1	820.4
122.5°	606.7	662.9	736.6	807.7	859.6	881.7	889.6	890.2	890.9	888.9	890.9
125°	675.2	743.8	830.2	903.6	957.4	983.5	990.0	991.7	994.9	1003.1	994.9
127.5°	744.4	822.0	917.0	987.8	1042.9	1074.5	1084.6	1088.2	1095.1	1098.7	1095.1
130°	792.7	880.8	977.0	1043.9	1097.7	1131.9	1149.9	1154.8	1162.9	1161.3	1162.9
132.5°	843.6	935.6	1033.1	1102.6	1152.5	1189.3	1204.7	1218.7	1221.6	1223.9	1221.6
135°	918.3	1017.8	1115.6	1184.1	1231.4	1267.3	1286.9	1299.9	1308.1	1313.0	1308.1
137.5°	996.9	1101.9	1195.9	1256.9	1304.5	1335.5	1357.7	1371.4	1379.9	1383.8	1379.9
140°	1050.4	1151.5	1242.8	1306.5	1348.9	1379.9	1399.4	1415.7	1425.5	1425.5	1425.5
142.5°	1101.3	1201.1	1289.8	1353.4	1390.6	1419.0	1439.9	1452.3	1463.4	1463.4	1463.4
145°	1172.7	1272.2	1353.8	1417.4	1448.4	1474.5	1497.3	1507.1	1513.6	1513.6	1513.6
147.5°	1247.4	1335.5	1409.9	1470.9	1497.0	1527.6	1545.6	1553.4	1561.6	1558.0	1561.6
150°	1291.8	1373.3	1445.1	1502.2	1528.3	1557.6	1575.6	1582.1	1590.3	1585.4	1590.3
152.5°	1334.8	1412.5	1477.7	1530.9	1553.1	1582.4	1603.0	1609.5	1615.0	1611.5	1615.0
155°	1392.9	1461.4	1521.8	1570.7	1590.3	1618.0	1637.6	1645.7	1652.2	1644.1	1652.2
157.5°	1444.8	1503.8	1556.3	1601.3	1622.2	1646.0	1664.3	1674.4	1680.9	1677.4	1680.9
160°	1476.1	1529.9	1577.2	1619.6	1639.2	1660.4	1680.0	1691.4	1697.9	1693.0	1697.9
162.5°	1502.2	1550.8	1595.5	1634.0	1650.9	1669.5	1693.0	1703.1	1709.6	1703.5	1709.6
165°	1539.7	1578.8	1618.0	1650.6	1665.3	1680.0	1704.4	1715.8	1720.7	1714.2	1720.7
167.5°	1568.1	1598.1	1629.7	1657.8	1668.5	1682.9	1707.4	1716.8	1723.0	1714.9	1723.0
170°	1583.7	1609.8	1637.6	1660.4	1668.5	1681.6	1706.1	1714.2	1719.1	1711.0	1719.1
172.5°	1596.8	1616.4	1638.9	1659.1	1663.3	1673.8	1696.9	1705.1	1708.7	1701.8	1708.7
175°	1609.8	1621.2	1637.6	1650.6	1649.0	1655.5	1675.1	1681.6	1688.1	1678.3	1688.1
177.5°	1616.0	1621.2	1626.5	1634.3	1629.1	1629.1	1643.4	1647.3	1648.6	1643.4	1648.6
180°	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5
2.5°	1311.7	1310.7	1309.7	1311.9	1317.4	1319.3	1310.9	1302.6	1310.9	1319.3	1317.4
5°	1312.2	1310.2	1309.0	1311.2	1316.7	1318.3	1307.8	1297.3	1307.8	1318.3	1316.7
7.5°	1310.3	1307.4	1305.3	1306.9	1312.4	1313.7	1303.0	1292.3	1303.0	1313.7	1312.4
10°	1306.7	1303.3	1300.2	1301.1	1306.1	1307.5	1298.2	1289.0	1298.2	1307.5	1306.1
12.5°	1298.8	1294.8	1290.7	1290.9	1295.3	1296.5	1287.7	1279.0	1287.7	1296.5	1295.3
15°	1287.0	1282.0	1276.5	1274.9	1277.4	1277.2	1269.2	1261.2	1269.2	1277.2	1277.4
17.5°	1277.0	1270.3	1262.4	1258.6	1258.8	1256.6	1246.8	1237.1	1246.8	1256.6	1258.8
20°	1271.1	1262.1	1252.3	1246.7	1245.5	1241.6	1229.9	1218.2	1229.9	1241.6	1245.5
22.5°	1270.0	1256.2	1241.4	1232.9	1230.7	1225.6	1211.9	1198.2	1211.9	1225.6	1230.7
25°	1270.8	1250.6	1229.0	1213.9	1205.2	1195.4	1181.8	1168.2	1181.8	1195.4	1205.2
27.5°	1262.2	1240.8	1216.5	1195.3	1177.1	1160.2	1146.7	1133.3	1146.7	1160.2	1177.1
30°	1247.5	1225.6	1200.3	1176.9	1155.3	1135.9	1122.9	1110.0	1122.9	1135.9	1155.3
32.5°	1227.3	1204.1	1176.9	1151.7	1128.7	1108.0	1094.6	1081.1	1094.6	1108.0	1128.7
35°	1192.0	1169.2	1140.8	1112.8	1085.0	1061.0	1048.0	1035.1	1048.0	1061.0	1085.0
37.5°	1120.9	1108.9	1093.0	1069.5	1038.4	1011.4	996.7	982.1	996.7	1011.4	1038.4
40°	1056.6	1056.3	1053.2	1036.9	1007.3	980.3	961.2	942.1	961.2	980.3	1007.3
42.5°	968.7	986.8	999.0	994.7	974.0	952.3	927.8	903.2	927.8	952.3	974.0
45°	780.5	833.4	895.7	922.8	914.8	901.5	872.6	843.6	872.6	901.5	914.8
47.5°	655.3	710.4	778.1	819.2	833.6	837.3	808.6	780.0	808.6	837.3	833.6
50°	585.7	632.7	690.0	736.3	771.4	791.0	763.9	736.7	763.9	791.0	771.4
52.5°	517.0	560.5	610.5	659.2	706.7	736.3	712.1	687.9	712.1	736.3	706.7
55°	402.1	451.9	510.4	564.1	612.8	645.2	628.5	611.9	628.5	645.2	612.8
57.5°	300.1	358.2	427.1	480.4	518.3	543.7	532.0	520.3	532.0	543.7	518.3
60°	247.9	302.0	369.8	420.7	454.6	477.8	468.5	459.3	468.5	477.8	454.6
62.5°	216.7	259.8	315.8	361.3	396.2	420.3	412.0	403.8	412.0	420.3	396.2
65°	185.8	211.8	246.4	281.8	318.2	343.5	335.5	327.4	335.5	343.5	318.2
67.5°	162.1	175.7	193.4	219.6	254.3	278.1	269.3	260.6	269.3	278.1	254.3
70°	145.4	153.1	163.0	184.2	216.9	239.1	229.9	220.6	229.9	239.1	216.9
72.5°	127.7	132.7	139.1	156.7	185.5	204.8	196.1	187.3	196.1	204.8	185.5
75°	102.5	105.0	108.1	120.1	141.1	155.1	148.3	141.5	148.3	155.1	141.1
77.5°	77.8	79.2	80.8	88.4	102.1	111.3	107.0	102.7	107.0	111.3	102.1
80°	62.3	62.9	63.5	68.4	77.7	84.2	82.3	80.5	82.3	84.2	77.7
82.5°	46.6	47.4	48.0	50.7	55.5	59.3	59.9	60.5	59.9	59.3	55.5
85°	20.3	22.7	25.1	27.0	28.2	29.4	30.7	31.9	30.7	29.4	28.2
87.5°	10.2	10.2	10.7	11.9	13.4	13.9	12.3	11.0	12.3	13.6	14.0
90°	34.3	32.6	32.6	31.0	26.1	19.6	11.4	4.9	11.4	17.9	29.4
92.5°	40.8	40.4	37.8	34.9	28.7	28.7	28.4	17.9	31.0	44.0	63.3
95°	37.5	37.5	44.0	55.5	81.6	83.2	55.5	50.6	71.8	101.1	127.2
97.5°	101.5	120.7	148.1	153.3	145.2	108.3	103.7	96.6	131.5	160.5	202.6
100°	187.6	212.0	231.6	192.5	151.7	150.1	140.3	137.0	174.5	202.2	243.0
102.5°	293.3	300.8	232.9	210.7	201.3	194.4	179.4	177.5	215.0	253.1	287.4
105°	318.1	285.4	287.1	287.1	280.5	267.5	239.8	238.1	280.5	324.6	367.0
107.5°	374.2	379.1	387.5	385.6	378.1	343.2	310.5	303.0	341.2	394.1	440.7
110°	448.5	453.4	456.7	453.4	442.0	398.0	358.8	347.4	381.7	437.1	487.7



TEST NUMBER: P1428116

CATALOG NUMBER: SQ2W-PP3-K-125U-075D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	520.3	523.9	531.1	521.3	502.0	451.5	407.1	390.5	424.7	481.5	533.3
115°	634.5	634.5	636.1	631.2	592.1	539.9	481.2	456.7	486.0	538.2	595.3
117.5°	746.7	748.6	742.1	729.1	683.7	623.1	557.2	518.0	541.2	596.3	655.0
120°	817.1	820.4	813.9	794.3	750.3	681.8	606.7	561.1	579.0	632.8	691.6
122.5°	890.2	889.6	881.7	859.6	807.7	736.6	662.9	606.7	614.2	664.2	721.6
125°	991.7	990.0	983.5	957.4	903.6	830.2	743.8	675.2	665.5	707.9	766.6
127.5°	1088.2	1084.6	1074.5	1042.9	987.8	917.0	822.0	744.4	722.5	749.3	803.1
130°	1154.8	1149.9	1131.9	1097.7	1043.9	977.0	880.8	792.7	761.7	778.0	825.3
132.5°	1218.7	1204.7	1189.3	1152.5	1102.6	1033.1	935.6	843.6	800.8	808.0	844.9
135°	1299.9	1286.9	1267.3	1231.4	1184.1	1115.6	1017.8	918.3	859.6	853.0	874.2
137.5°	1371.4	1357.7	1335.5	1304.5	1256.9	1195.9	1101.9	996.9	922.8	901.0	909.1
140°	1415.7	1399.4	1379.9	1348.9	1306.5	1242.8	1151.5	1050.4	967.2	936.2	931.3
142.5°	1452.3	1439.9	1419.0	1390.6	1353.4	1289.8	1201.1	1101.3	1012.9	972.7	961.3
145°	1507.1	1497.3	1474.5	1448.4	1417.4	1353.8	1272.2	1172.7	1084.6	1032.4	1008.0
147.5°	1553.4	1545.6	1527.6	1497.0	1470.9	1409.9	1335.5	1247.4	1157.1	1092.5	1060.8
150°	1582.1	1575.6	1557.6	1528.3	1502.2	1445.1	1373.3	1291.8	1205.3	1136.8	1096.1
152.5°	1609.5	1603.0	1582.4	1553.1	1530.9	1477.7	1412.5	1334.8	1247.1	1178.6	1136.5
155°	1645.7	1637.6	1618.0	1590.3	1570.7	1521.8	1461.4	1392.9	1317.9	1246.1	1198.8
157.5°	1674.4	1664.3	1646.0	1622.2	1601.3	1556.3	1503.8	1444.8	1379.2	1310.7	1262.4
160°	1691.4	1680.0	1660.4	1639.2	1619.6	1577.2	1529.9	1476.1	1415.7	1353.8	1301.6
162.5°	1703.1	1693.0	1669.5	1650.9	1634.0	1595.5	1550.8	1502.2	1448.4	1394.2	1345.9
165°	1715.8	1704.4	1680.0	1665.3	1650.6	1618.0	1578.8	1539.7	1494.0	1450.0	1410.8
167.5°	1716.8	1707.4	1682.9	1668.5	1657.8	1629.7	1598.1	1568.1	1532.5	1497.9	1465.3
170°	1714.2	1706.1	1681.6	1668.5	1660.4	1637.6	1609.8	1583.7	1556.0	1526.6	1500.6
172.5°	1705.1	1696.9	1673.8	1663.3	1659.1	1638.9	1616.4	1596.8	1573.0	1551.4	1530.6
175°	1681.6	1675.1	1655.5	1649.0	1650.6	1637.6	1621.2	1609.8	1595.2	1582.1	1570.7
177.5°	1647.3	1643.4	1629.1	1629.1	1634.3	1626.5	1621.2	1616.0	1609.5	1605.6	1601.7
180°	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7

TEST NUMBER: P1428116

CATALOG NUMBER: SQ2W-PP3-K-125U-075D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5
2.5°	1311.9	1309.7	1310.7	1311.7	1312.7	1313.7	1312.7	1311.7	1310.7	1309.7	1311.9
5°	1311.2	1309.0	1310.2	1312.2	1316.6	1320.9	1316.6	1312.2	1310.2	1309.0	1311.2
7.5°	1306.9	1305.3	1307.4	1310.3	1315.6	1320.9	1315.6	1310.3	1307.4	1305.3	1306.9
10°	1301.1	1300.2	1303.3	1306.7	1311.0	1315.3	1311.0	1306.7	1303.3	1300.2	1301.1
12.5°	1290.9	1290.7	1294.8	1298.8	1302.6	1306.4	1302.6	1298.8	1294.8	1290.7	1290.9
15°	1274.9	1276.5	1282.0	1287.0	1290.0	1293.1	1290.0	1287.0	1282.0	1276.5	1274.9
17.5°	1258.6	1262.4	1270.3	1277.0	1280.2	1283.4	1280.2	1277.0	1270.3	1262.4	1258.6
20°	1246.7	1252.3	1262.1	1271.1	1277.2	1283.4	1277.2	1271.1	1262.1	1252.3	1246.7
22.5°	1232.9	1241.4	1256.2	1270.0	1280.6	1291.2	1280.6	1270.0	1256.2	1241.4	1232.9
25°	1213.9	1229.0	1250.6	1270.8	1286.8	1302.8	1286.8	1270.8	1250.6	1229.0	1213.9
27.5°	1195.3	1216.5	1240.8	1262.2	1274.9	1287.6	1274.9	1262.2	1240.8	1216.5	1195.3
30°	1176.9	1200.3	1225.6	1247.5	1259.2	1270.9	1259.2	1247.5	1225.6	1200.3	1176.9
32.5°	1151.7	1176.9	1204.1	1227.3	1238.0	1248.7	1238.0	1227.3	1204.1	1176.9	1151.7
35°	1112.8	1140.8	1169.2	1192.0	1198.2	1204.3	1198.2	1192.0	1169.2	1140.8	1112.8
37.5°	1069.5	1093.0	1108.9	1120.9	1121.3	1121.6	1121.3	1120.9	1108.9	1093.0	1069.5
40°	1036.9	1053.2	1056.3	1056.6	1048.6	1040.6	1048.6	1056.6	1056.3	1053.2	1036.9
42.5°	994.7	999.0	986.8	968.7	933.1	897.4	933.1	968.7	986.8	999.0	994.7
45°	922.8	895.7	833.4	780.5	755.9	731.2	755.9	780.5	833.4	895.7	922.8
47.5°	819.2	778.1	710.4	655.3	638.3	621.3	638.3	655.3	710.4	778.1	819.2
50°	736.3	690.0	632.7	585.7	569.6	553.6	569.6	585.7	632.7	690.0	736.3
52.5°	659.2	610.5	560.5	517.0	492.6	468.1	492.6	517.0	560.5	610.5	659.2
55°	564.1	510.4	451.9	402.1	378.6	355.2	378.6	402.1	451.9	510.4	564.1
57.5°	480.4	427.1	358.2	300.1	273.8	247.5	273.8	300.1	358.2	427.1	480.4
60°	420.7	369.8	302.0	247.9	234.9	222.0	234.9	247.9	302.0	369.8	420.7
62.5°	361.3	315.8	259.8	216.7	212.1	207.6	212.1	216.7	259.8	315.8	361.3
65°	281.8	246.4	211.8	185.8	185.2	184.5	185.2	185.8	211.8	246.4	281.8
67.5°	219.6	193.4	175.7	162.1	161.4	160.7	161.4	162.1	175.7	193.4	219.6
70°	184.2	163.0	153.1	145.4	144.1	142.9	144.1	145.4	153.1	163.0	184.2
72.5°	156.7	139.1	132.7	127.7	127.0	126.3	127.0	127.7	132.7	139.1	156.7
75°	120.1	108.1	105.0	102.5	101.9	101.3	101.9	102.5	105.0	108.1	120.1
77.5°	88.4	80.8	79.2	77.8	77.2	76.6	77.2	77.8	79.2	80.8	88.4
80°	68.4	63.5	62.9	62.3	61.7	61.0	61.7	62.3	62.9	63.5	68.4
82.5°	50.7	48.0	47.4	46.6	45.5	44.4	45.5	46.6	47.4	48.0	50.7
85°	27.0	25.1	22.7	20.3	18.5	16.6	18.5	20.3	22.7	25.1	27.0
87.5°	13.2	14.0	15.8	16.7	18.0	17.4	18.0	16.7	15.8	14.0	13.2
90°	37.5	48.9	60.3	66.9	73.4	70.1	73.4	66.9	60.3	48.9	37.5
92.5°	75.4	94.6	108.6	120.4	125.6	124.9	125.6	120.4	108.6	94.6	75.4
95°	151.7	174.5	197.4	213.7	223.5	220.2	223.5	213.7	197.4	174.5	151.7
97.5°	233.9	264.6	290.0	305.3	315.1	321.6	315.1	305.3	290.0	264.6	233.9
100°	288.7	318.1	347.4	365.4	381.7	388.2	381.7	365.4	347.4	318.1	288.7
102.5°	333.1	371.5	403.5	422.8	436.5	443.0	436.5	422.8	403.5	371.5	333.1
105°	406.1	446.9	481.2	505.6	520.3	525.2	520.3	505.6	481.2	446.9	406.1
107.5°	479.2	521.3	552.9	580.0	597.9	608.4	597.9	580.0	552.9	521.3	479.2
110°	536.6	570.9	605.1	629.6	647.5	654.0	647.5	629.6	605.1	570.9	536.6



TEST NUMBER: P1428116

CATALOG NUMBER: SQ2W-PP3-K-125U-075D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	584.9	623.1	657.3	681.8	702.3	711.5	702.3	681.8	657.3	623.1	584.9
115°	652.4	703.0	734.0	756.8	771.5	779.6	771.5	756.8	734.0	703.0	652.4
117.5°	708.5	761.4	795.3	812.9	819.8	825.6	819.8	812.9	795.3	761.4	708.5
120°	743.8	792.7	831.8	854.7	862.8	866.1	862.8	854.7	831.8	792.7	743.8
122.5°	776.4	822.7	860.5	888.6	902.0	905.2	902.0	888.6	860.5	822.7	776.4
125°	822.0	866.1	905.2	933.0	947.6	955.8	947.6	933.0	905.2	866.1	822.0
127.5°	861.8	909.5	945.3	970.5	984.8	991.3	984.8	970.5	945.3	909.5	861.8
130°	884.0	933.0	968.8	996.6	1009.6	1016.1	1009.6	996.6	968.8	933.0	884.0
132.5°	901.0	952.5	989.7	1014.8	1029.2	1035.7	1029.2	1014.8	989.7	952.5	901.0
135°	921.5	975.4	1014.5	1039.0	1052.0	1058.5	1052.0	1039.0	1014.5	975.4	921.5
137.5°	939.5	988.4	1029.2	1055.0	1066.7	1070.9	1066.7	1055.0	1029.2	988.4	939.5
140°	952.5	994.9	1035.7	1060.2	1073.2	1074.9	1073.2	1060.2	1035.7	994.9	952.5
142.5°	969.5	1002.8	1038.3	1062.8	1075.8	1078.8	1075.8	1062.8	1038.3	1002.8	969.5
145°	999.8	1019.4	1043.9	1066.7	1078.1	1081.4	1078.1	1066.7	1043.9	1019.4	999.8
147.5°	1038.0	1044.2	1056.9	1071.9	1083.0	1085.3	1083.0	1071.9	1056.9	1044.2	1038.0
150°	1066.7	1065.1	1070.0	1079.7	1089.5	1087.9	1089.5	1079.7	1070.0	1065.1	1066.7
152.5°	1099.3	1089.9	1089.5	1094.1	1098.7	1098.3	1098.7	1094.1	1089.5	1089.9	1099.3
155°	1154.8	1136.8	1127.0	1123.8	1123.8	1122.2	1123.8	1123.8	1127.0	1136.8	1154.8
157.5°	1215.8	1190.7	1176.0	1168.1	1165.9	1162.3	1165.9	1168.1	1176.0	1190.7	1215.8
160°	1257.5	1229.8	1215.1	1202.1	1197.2	1192.3	1197.2	1202.1	1215.1	1229.8	1257.5
162.5°	1296.7	1270.2	1254.3	1242.5	1237.6	1230.1	1237.6	1242.5	1254.3	1270.2	1296.7
165°	1360.3	1332.6	1314.6	1304.8	1298.3	1291.8	1298.3	1304.8	1314.6	1332.6	1360.3
167.5°	1423.9	1393.6	1381.8	1370.7	1364.5	1352.8	1364.5	1370.7	1381.8	1393.6	1423.9
170°	1463.0	1435.3	1428.8	1419.0	1407.6	1394.5	1407.6	1419.0	1428.8	1435.3	1463.0
172.5°	1497.0	1478.4	1471.8	1462.1	1458.5	1448.0	1458.5	1462.1	1471.8	1478.4	1497.0
175°	1546.2	1531.5	1531.5	1529.9	1525.0	1515.2	1525.0	1529.9	1531.5	1531.5	1546.2
177.5°	1587.3	1579.5	1584.7	1584.7	1583.4	1574.3	1583.4	1584.7	1584.7	1579.5	1587.3
180°	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7



TEST NUMBER: P1428116

CATALOG NUMBER: SQ2W-PP3-K-125U-075D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1312.5	1312.5	1312.5	1312.5
2.5°	1317.4	1319.3	1310.9	1302.6
5°	1316.7	1318.3	1307.8	1297.3
7.5°	1312.4	1313.7	1303.0	1292.3
10°	1306.1	1307.5	1298.2	1289.0
12.5°	1295.3	1296.5	1287.7	1279.0
15°	1277.4	1277.2	1269.2	1261.2
17.5°	1258.8	1256.6	1246.8	1237.1
20°	1245.5	1241.6	1229.9	1218.2
22.5°	1230.7	1225.6	1211.9	1198.2
25°	1205.2	1195.4	1181.8	1168.2
27.5°	1177.1	1160.2	1146.7	1133.3
30°	1155.3	1135.9	1122.9	1110.0
32.5°	1128.7	1108.0	1094.6	1081.1
35°	1085.0	1061.0	1048.0	1035.1
37.5°	1038.4	1011.4	996.7	982.1
40°	1007.3	980.3	961.2	942.1
42.5°	974.0	952.3	927.8	903.2
45°	914.8	901.5	872.6	843.6
47.5°	833.6	837.3	808.6	780.0
50°	771.4	791.0	763.9	736.7
52.5°	706.7	736.3	712.1	687.9
55°	612.8	645.2	628.5	611.9
57.5°	518.3	543.7	532.0	520.3
60°	454.6	477.8	468.5	459.3
62.5°	396.2	420.3	412.0	403.8
65°	318.2	343.5	335.5	327.4
67.5°	254.3	278.1	269.3	260.6
70°	216.9	239.1	229.9	220.6
72.5°	185.5	204.8	196.1	187.3
75°	141.1	155.1	148.3	141.5
77.5°	102.1	111.3	107.0	102.7
80°	77.7	84.2	82.3	80.5
82.5°	55.5	59.3	59.9	60.5
85°	28.2	29.4	30.7	31.9
87.5°	14.0	13.6	12.3	11.0
90°	29.4	17.9	11.4	4.9
92.5°	63.3	44.0	31.0	17.9
95°	127.2	101.1	71.8	50.6
97.5°	202.6	160.5	131.5	96.6
100°	243.0	202.2	174.5	137.0
102.5°	287.4	253.1	215.0	177.5
105°	367.0	324.6	280.5	238.1
107.5°	440.7	394.1	341.2	303.0
110°	487.7	437.1	381.7	347.4



TEST NUMBER: P1428116

CATALOG NUMBER: SQ2W-PP3-K-125U-075D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	533.3	481.5	424.7	390.5
115°	595.3	538.2	486.0	456.7
117.5°	655.0	596.3	541.2	518.0
120°	691.6	632.8	579.0	561.1
122.5°	721.6	664.2	614.2	606.7
125°	766.6	707.9	665.5	675.2
127.5°	803.1	749.3	722.5	744.4
130°	825.3	778.0	761.7	792.7
132.5°	844.9	808.0	800.8	843.6
135°	874.2	853.0	859.6	918.3
137.5°	909.1	901.0	922.8	996.9
140°	931.3	936.2	967.2	1050.4
142.5°	961.3	972.7	1012.9	1101.3
145°	1008.0	1032.4	1084.6	1172.7
147.5°	1060.8	1092.5	1157.1	1247.4
150°	1096.1	1136.8	1205.3	1291.8
152.5°	1136.5	1178.6	1247.1	1334.8
155°	1198.8	1246.1	1317.9	1392.9
157.5°	1262.4	1310.7	1379.2	1444.8
160°	1301.6	1353.8	1415.7	1476.1
162.5°	1345.9	1394.2	1448.4	1502.2
165°	1410.8	1450.0	1494.0	1539.7
167.5°	1465.3	1497.9	1532.5	1568.1
170°	1500.6	1526.6	1556.0	1583.7
172.5°	1530.6	1551.4	1573.0	1596.8
175°	1570.7	1582.1	1595.2	1609.8
177.5°	1601.7	1605.6	1609.5	1616.0
180°	1614.7	1614.7	1614.7	1614.7



TEST NUMBER: P1428116  
 CATALOG NUMBER: SQ2W-PP3-K-125U-075D-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	17.19	17.95	18.22	18.99	20.38	12.96	13.72	13.99	14.76	16.15
	3H	18.24	18.92	19.28	19.97	21.38	14.26	14.94	15.31	15.99	17.40
	4H	18.60	19.25	19.66	20.30	21.72	14.81	15.46	15.87	16.51	17.93
	6H	18.79	19.39	19.86	20.44	21.87	15.17	15.76	16.24	16.82	18.25
	8H	18.85	19.42	19.92	20.48	21.91	15.30	15.86	16.37	16.93	18.36
	12H	18.87	19.41	19.95	20.47	21.92	15.33	15.87	16.40	16.93	18.38
4H	2H	17.29	17.94	18.36	18.99	20.41	13.86	14.50	14.92	15.55	16.97
	3H	18.58	19.11	19.65	20.19	21.62	15.27	15.80	16.34	16.88	18.31
	4H	19.08	19.57	20.16	20.64	22.09	15.89	16.38	16.96	17.44	18.90
	6H	19.39	19.81	20.48	20.90	22.35	16.33	16.75	17.41	17.84	19.29
	8H	19.50	19.89	20.59	20.98	22.44	16.49	16.89	17.58	17.97	19.43
	12H	19.54	19.90	20.64	20.99	22.46	16.54	16.89	17.64	17.99	19.46
8H	4H	19.09	19.49	20.18	20.57	22.03	16.19	16.58	17.27	17.66	19.13
	6H	19.50	19.83	20.61	20.95	22.41	16.74	17.07	17.85	18.19	19.65
	8H	19.68	19.97	20.80	21.08	22.56	16.99	17.28	18.11	18.38	19.86
	12H	19.78	20.03	20.89	21.13	22.65	17.09	17.34	18.21	18.44	19.96
12H	4H	19.05	19.40	20.15	20.50	21.97	16.20	16.55	17.30	17.65	19.12
	6H	19.50	19.78	20.61	20.89	22.37	16.81	17.09	17.92	18.20	19.68
	8H	19.69	19.94	20.81	21.04	22.56	17.08	17.33	18.20	18.43	19.95