

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: P1428284

Luminaire Tested: SQ2W-PR1-K-125U-075D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428284  
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-125U-075D-L930-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - PERCEIVE RIPPLE 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**

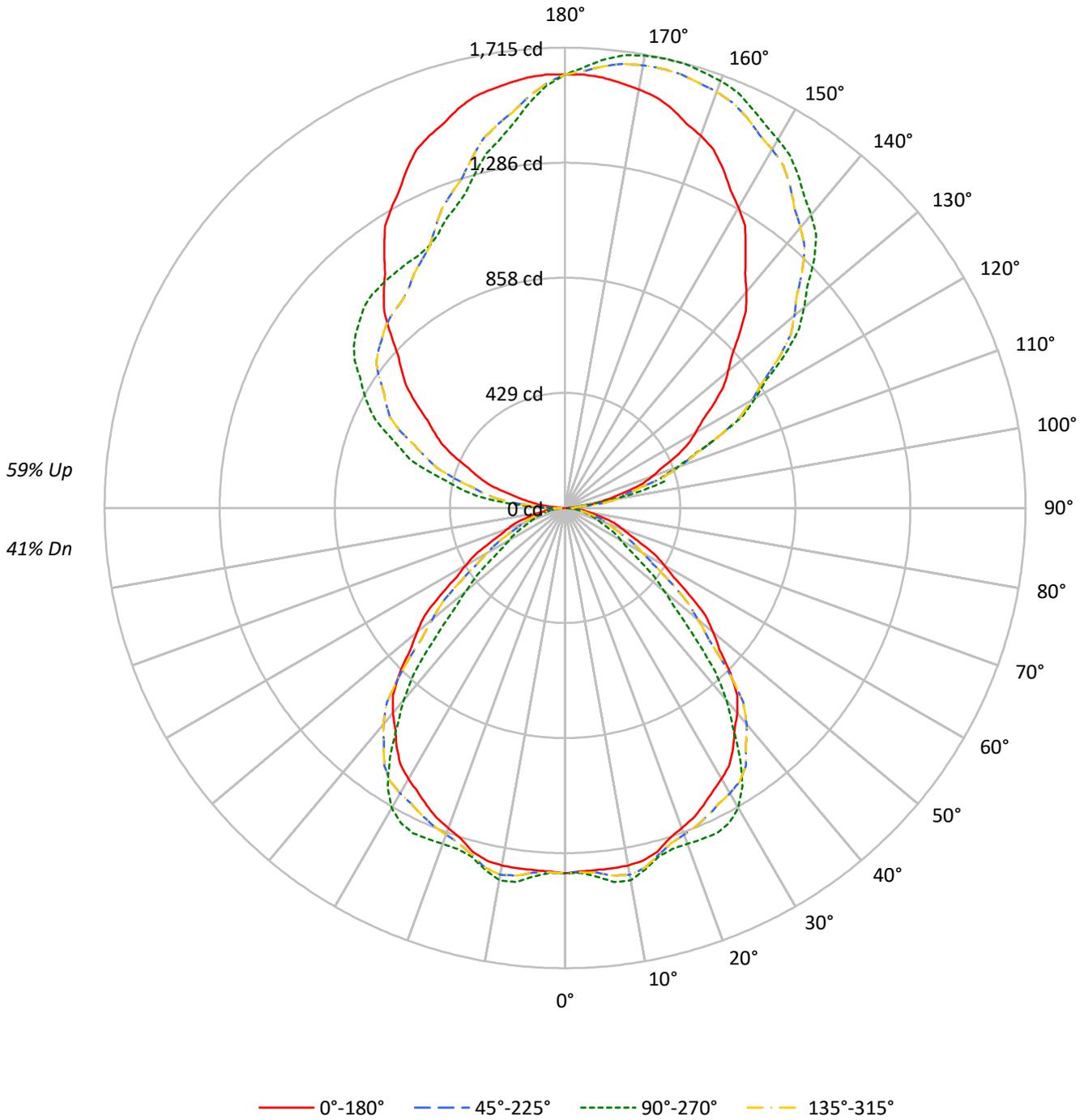
Lumens per Lamp: N/A  
Luminaire Lumens: 7996.0 lumens  
Efficiency: N/A  
Efficacy: 113.1 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 70.7  
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

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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	105	105	105	105	96	96	96	96	78	78	78	62	62	62	48	48	48	41				41
1	96	92	89	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	39	37	36				31	
3	81	72	65	59	73	66	60	55	55	50	47	44	41	39	35	33	31				26	
4	74	64	56	50	67	58	52	47	49	44	40	40	36	33	31	29	27				23	
5	68	57	49	43	62	52	46	40	44	39	35	36	32	29	28	26	24				20	
6	63	51	43	38	57	47	40	35	39	34	30	32	29	26	26	23	21				18	
7	58	46	38	33	53	43	36	31	36	31	27	29	26	23	24	21	19				16	
8	54	42	34	29	49	39	32	27	33	28	24	27	23	20	22	19	17				14	
9	50	38	31	26	46	35	29	24	30	25	21	25	21	18	20	17	15				13	
10	47	35	28	23	43	32	26	22	28	23	19	23	19	17	19	16	14				12	

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

	0°	90°	180°	270°
0°	21976	21976	21976	21976
5°	21948	22351	21948	22351
10°	22179	23089	22179	23089
15°	22171	22473	22171	22473
20°	21812	22886	21812	22886
25°	21752	23827	21752	23827
30°	21729	24055	21729	24055
35°	21521	22397	21521	22397
40°	21026	19711	21026	19711
45°	19895	15586	19895	15586
50°	18087	12094	18087	12094
55°	15896	9413	15896	9413
60°	13756	7750	13756	7750
65°	11874	6785	11874	6785
70°	10678	6024	10678	6024
75°	9781	5539	9781	5539
80°	8517	5421	8517	5421
85°	6169	2575	6169	2575

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 21361 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.4	1.6
10°-20°	380.5	4.8
20°-30°	588.2	7.4
30°-40°	707.4	8.8
40°-50°	635.2	7.9
50°-60°	425.6	5.3
60°-70°	247.6	3.1
70°-80°	127.2	1.6
80°-90°	38.1	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	10.4
140°-150°	775.4	9.7
150°-160°	638.1	8.0
160°-170°	427.9	5.4
170°-180°	151.9	1.9
0°-30°	1100.2	13.8
0°-40°	1807.6	22.6
0°-60°	2868.4	35.9
0°-90°	3281.3	41.0
90°-120°	1114.9	13.9
90°-150°	3496.8	43.7
90°-180°	4715.0	59.0
0°-180°	7996.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1361	1361	1361	1361	1361	
5°	1354	1379	1354	1379	1354	129
15°	1326	1344	1326	1344	1326	372
25°	1221	1338	1221	1338	1221	563
35°	1092	1136	1092	1136	1092	681
45°	871	683	871	683	871	667
55°	565	334	565	334	565	507
65°	311	178	311	178	311	314
75°	157	89	157	89	157	166
85°	33	14	33	14	33	41
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°	1361.1	1361.1	1361.1	1361.1	1361.1	1361.1	1361.1	1361.1	1361.1	1361.1	1361.1
2.5°	1355.6	1363.0	1370.4	1367.0	1360.1	1356.9	1357.4	1358.1	1359.6	1361.1	1359.6
5°	1354.2	1364.7	1375.1	1372.7	1365.9	1363.1	1364.3	1366.8	1373.0	1379.1	1373.0
7.5°	1353.9	1368.8	1383.7	1384.9	1381.4	1381.5	1385.1	1389.8	1397.9	1406.1	1397.9
10°	1352.8	1370.7	1388.5	1391.2	1388.7	1387.8	1388.4	1391.0	1399.6	1408.3	1399.6
12.5°	1346.1	1367.0	1387.8	1385.6	1375.8	1370.4	1369.5	1370.0	1374.7	1379.4	1374.7
15°	1326.4	1351.1	1375.8	1365.7	1344.2	1334.3	1336.1	1338.3	1341.4	1344.5	1341.4
17.5°	1291.7	1317.5	1343.3	1334.3	1313.7	1306.7	1313.4	1319.9	1325.9	1332.0	1325.9
20°	1269.5	1294.8	1320.1	1313.9	1297.3	1293.3	1301.9	1311.0	1321.5	1332.0	1321.5
22.5°	1249.6	1274.8	1300.1	1296.2	1282.5	1281.7	1293.8	1306.4	1320.9	1335.3	1320.9
25°	1221.0	1243.2	1265.4	1265.8	1259.1	1265.8	1286.2	1305.5	1321.5	1337.5	1321.5
27.5°	1191.0	1204.1	1217.2	1225.8	1232.9	1250.3	1277.8	1301.2	1312.4	1323.6	1312.4
30°	1165.5	1174.1	1182.7	1198.8	1217.3	1238.5	1262.6	1281.7	1286.0	1290.3	1286.0
32.5°	1137.7	1142.9	1148.1	1170.7	1199.0	1219.6	1232.3	1240.4	1234.8	1229.3	1234.8
35°	1091.9	1096.3	1100.6	1129.4	1166.4	1180.0	1170.1	1159.8	1148.1	1136.3	1148.1
37.5°	1037.6	1046.4	1055.3	1078.8	1107.2	1106.9	1078.1	1053.1	1039.6	1026.2	1039.6
40°	997.6	1012.4	1027.2	1042.9	1058.9	1045.4	1002.2	966.0	950.6	935.2	950.6
42.5°	948.8	972.4	996.1	999.6	996.4	967.3	912.3	866.3	847.5	828.6	847.5
45°	871.3	903.4	935.5	917.1	882.0	834.5	774.7	724.6	703.6	682.6	703.6
47.5°	780.0	813.0	845.9	811.3	754.2	698.9	645.5	600.6	581.0	561.4	581.0
50°	720.1	746.6	773.1	734.0	672.9	617.4	567.5	524.6	503.0	481.5	503.0
52.5°	659.0	678.2	697.3	658.5	600.4	546.4	496.4	454.1	434.5	414.9	434.5
55°	564.7	574.6	584.4	548.5	497.3	448.0	400.5	361.5	347.9	334.4	347.9
57.5°	478.1	484.4	490.7	456.7	409.2	365.3	324.9	292.2	282.2	272.2	282.2
60°	426.0	430.3	434.6	400.1	352.6	313.1	281.7	256.1	248.0	240.0	248.0
62.5°	378.2	381.6	384.9	351.6	306.1	270.8	245.8	225.5	219.4	213.4	219.4
65°	310.8	313.9	317.0	288.6	249.7	220.8	201.6	186.2	181.9	177.6	181.9
67.5°	257.2	258.8	260.4	237.1	205.4	182.0	167.0	154.7	150.6	146.5	150.6
70°	226.2	226.8	227.4	206.7	179.0	158.3	144.8	133.8	130.7	127.6	130.7
72.5°	198.4	197.5	196.7	178.2	153.9	136.2	125.1	116.3	114.2	112.1	114.2
75°	156.8	154.9	153.1	137.8	118.1	104.5	97.1	91.3	90.0	88.8	90.0
77.5°	117.1	115.1	113.2	100.5	84.2	74.8	72.3	70.5	70.5	70.5	70.5
80°	91.6	89.1	86.6	76.8	64.4	58.3	58.3	58.3	58.3	58.3	58.3
82.5°	68.3	64.8	61.4	55.3	48.4	45.0	45.0	44.8	44.3	43.8	44.3
85°	33.3	30.2	27.1	26.4	26.4	24.5	20.8	17.6	15.7	13.9	15.7
87.5°	9.9	11.2	12.8	12.2	10.8	9.9	9.9	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°	1361.1	1361.1	1361.1	1361.1	1361.1	1361.1	1361.1	1361.1	1361.1	1361.1	1361.1
2.5°	1358.1	1357.4	1356.9	1360.1	1367.0	1370.4	1363.0	1355.6	1363.0	1370.4	1367.0
5°	1366.8	1364.3	1363.1	1365.9	1372.7	1375.1	1364.7	1354.2	1364.7	1375.1	1372.7
7.5°	1389.8	1385.1	1381.5	1381.4	1384.9	1383.7	1368.8	1353.9	1368.8	1383.7	1384.9
10°	1391.0	1388.4	1387.8	1388.7	1391.2	1388.5	1370.7	1352.8	1370.7	1388.5	1391.2
12.5°	1370.0	1369.5	1370.4	1375.8	1385.6	1387.8	1367.0	1346.1	1367.0	1387.8	1385.6
15°	1338.3	1336.1	1334.3	1344.2	1365.7	1375.8	1351.1	1326.4	1351.1	1375.8	1365.7
17.5°	1319.9	1313.4	1306.7	1313.7	1334.3	1343.3	1317.5	1291.7	1317.5	1343.3	1334.3
20°	1311.0	1301.9	1293.3	1297.3	1313.9	1320.1	1294.8	1269.5	1294.8	1320.1	1313.9
22.5°	1306.4	1293.8	1281.7	1282.5	1296.2	1300.1	1274.8	1249.6	1274.8	1300.1	1296.2
25°	1305.5	1286.2	1265.8	1259.1	1265.8	1265.4	1243.2	1221.0	1243.2	1265.4	1265.8
27.5°	1301.2	1277.8	1250.3	1232.9	1225.8	1217.2	1204.1	1191.0	1204.1	1217.2	1225.8
30°	1281.7	1262.6	1238.5	1217.3	1198.8	1182.7	1174.1	1165.5	1174.1	1182.7	1198.8
32.5°	1240.4	1232.3	1219.6	1199.0	1170.7	1148.1	1142.9	1137.7	1142.9	1148.1	1170.7
35°	1159.8	1170.1	1180.0	1166.4	1129.4	1100.6	1096.3	1091.9	1096.3	1100.6	1129.4
37.5°	1053.1	1078.1	1106.9	1107.2	1078.8	1055.3	1046.4	1037.6	1046.4	1055.3	1078.8
40°	966.0	1002.2	1045.4	1058.9	1042.9	1027.2	1012.4	997.6	1012.4	1027.2	1042.9
42.5°	866.3	912.3	967.3	996.4	999.6	996.1	972.4	948.8	972.4	996.1	999.6
45°	724.6	774.7	834.5	882.0	917.1	935.5	903.4	871.3	903.4	935.5	917.1
47.5°	600.6	645.5	698.9	754.2	811.3	845.9	813.0	780.0	813.0	845.9	811.3
50°	524.6	567.5	617.4	672.9	734.0	773.1	746.6	720.1	746.6	773.1	734.0
52.5°	454.1	496.4	546.4	600.4	658.5	697.3	678.2	659.0	678.2	697.3	658.5
55°	361.5	400.5	448.0	497.3	548.5	584.4	574.6	564.7	574.6	584.4	548.5
57.5°	292.2	324.9	365.3	409.2	456.7	490.7	484.4	478.1	484.4	490.7	456.7
60°	256.1	281.7	313.1	352.6	400.1	434.6	430.3	426.0	430.3	434.6	400.1
62.5°	225.5	245.8	270.8	306.1	351.6	384.9	381.6	378.2	381.6	384.9	351.6
65°	186.2	201.6	220.8	249.7	288.6	317.0	313.9	310.8	313.9	317.0	288.6
67.5°	154.7	167.0	182.0	205.4	237.1	260.4	258.8	257.2	258.8	260.4	237.1
70°	133.8	144.8	158.3	179.0	206.7	227.4	226.8	226.2	226.8	227.4	206.7
72.5°	116.3	125.1	136.2	153.9	178.2	196.7	197.5	198.4	197.5	196.7	178.2
75°	91.3	97.1	104.5	118.1	137.8	153.1	154.9	156.8	154.9	153.1	137.8
77.5°	70.5	72.3	74.8	84.2	100.5	113.2	115.1	117.1	115.1	113.2	100.5
80°	58.3	58.3	58.3	64.4	76.8	86.6	89.1	91.6	89.1	86.6	76.8
82.5°	44.8	45.0	45.0	48.4	55.3	61.4	64.8	68.3	64.8	61.4	55.3
85°	17.6	20.8	24.5	26.4	26.4	27.1	30.2	33.3	30.2	27.1	26.4
87.5°	10.2	9.9	9.9	10.8	12.2	12.8	11.2	9.9	11.2	12.5	12.9
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: P1428284

CATALOG NUMBER: SQ2W-PR1-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: P1428284

CATALOG NUMBER: SQ2W-PR1-K-125U-075D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1361.1	1361.1	1361.1	1361.1	1361.1	1361.1	1361.1	1361.1	1361.1	1361.1	1361.1
2.5°	1360.1	1356.9	1357.4	1358.1	1359.6	1361.1	1359.6	1358.1	1357.4	1356.9	1360.1
5°	1365.9	1363.1	1364.3	1366.8	1373.0	1379.1	1373.0	1366.8	1364.3	1363.1	1365.9
7.5°	1381.4	1381.5	1385.1	1389.8	1397.9	1406.1	1397.9	1389.8	1385.1	1381.5	1381.4
10°	1388.7	1387.8	1388.4	1391.0	1399.6	1408.3	1399.6	1391.0	1388.4	1387.8	1388.7
12.5°	1375.8	1370.4	1369.5	1370.0	1374.7	1379.4	1374.7	1370.0	1369.5	1370.4	1375.8
15°	1344.2	1334.3	1336.1	1338.3	1341.4	1344.5	1341.4	1338.3	1336.1	1334.3	1344.2
17.5°	1313.7	1306.7	1313.4	1319.9	1325.9	1332.0	1325.9	1319.9	1313.4	1306.7	1313.7
20°	1297.3	1293.3	1301.9	1311.0	1321.5	1332.0	1321.5	1311.0	1301.9	1293.3	1297.3
22.5°	1282.5	1281.7	1293.8	1306.4	1320.9	1335.3	1320.9	1306.4	1293.8	1281.7	1282.5
25°	1259.1	1265.8	1286.2	1305.5	1321.5	1337.5	1321.5	1305.5	1286.2	1265.8	1259.1
27.5°	1232.9	1250.3	1277.8	1301.2	1312.4	1323.6	1312.4	1301.2	1277.8	1250.3	1232.9
30°	1217.3	1238.5	1262.6	1281.7	1286.0	1290.3	1286.0	1281.7	1262.6	1238.5	1217.3
32.5°	1199.0	1219.6	1232.3	1240.4	1234.8	1229.3	1234.8	1240.4	1232.3	1219.6	1199.0
35°	1166.4	1180.0	1170.1	1159.8	1148.1	1136.3	1148.1	1159.8	1170.1	1180.0	1166.4
37.5°	1107.2	1106.9	1078.1	1053.1	1039.6	1026.2	1039.6	1053.1	1078.1	1106.9	1107.2
40°	1058.9	1045.4	1002.2	966.0	950.6	935.2	950.6	966.0	1002.2	1045.4	1058.9
42.5°	996.4	967.3	912.3	866.3	847.5	828.6	847.5	866.3	912.3	967.3	996.4
45°	882.0	834.5	774.7	724.6	703.6	682.6	703.6	724.6	774.7	834.5	882.0
47.5°	754.2	698.9	645.5	600.6	581.0	561.4	581.0	600.6	645.5	698.9	754.2
50°	672.9	617.4	567.5	524.6	503.0	481.5	503.0	524.6	567.5	617.4	672.9
52.5°	600.4	546.4	496.4	454.1	434.5	414.9	434.5	454.1	496.4	546.4	600.4
55°	497.3	448.0	400.5	361.5	347.9	334.4	347.9	361.5	400.5	448.0	497.3
57.5°	409.2	365.3	324.9	292.2	282.2	272.2	282.2	292.2	324.9	365.3	409.2
60°	352.6	313.1	281.7	256.1	248.0	240.0	248.0	256.1	281.7	313.1	352.6
62.5°	306.1	270.8	245.8	225.5	219.4	213.4	219.4	225.5	245.8	270.8	306.1
65°	249.7	220.8	201.6	186.2	181.9	177.6	181.9	186.2	201.6	220.8	249.7
67.5°	205.4	182.0	167.0	154.7	150.6	146.5	150.6	154.7	167.0	182.0	205.4
70°	179.0	158.3	144.8	133.8	130.7	127.6	130.7	133.8	144.8	158.3	179.0
72.5°	153.9	136.2	125.1	116.3	114.2	112.1	114.2	116.3	125.1	136.2	153.9
75°	118.1	104.5	97.1	91.3	90.0	88.8	90.0	91.3	97.1	104.5	118.1
77.5°	84.2	74.8	72.3	70.5	70.5	70.5	70.5	70.5	72.3	74.8	84.2
80°	64.4	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	64.4
82.5°	48.4	45.0	45.0	44.8	44.3	43.8	44.3	44.8	45.0	45.0	48.4
85°	26.4	24.5	20.8	17.6	15.7	13.9	15.7	17.6	20.8	24.5	26.4
87.5°	12.1	13.1	15.4	16.7	18.0	17.4	18.0	16.7	15.4	13.1	12.1
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	264.6	233.9	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: P1428284

CATALOG NUMBER: SQ2W-PR1-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: P1428284

CATALOG NUMBER: SQ2W-PR1-K-125U-075D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1361.1	1361.1	1361.1	1361.1
2.5°	1367.0	1370.4	1363.0	1355.6
5°	1372.7	1375.1	1364.7	1354.2
7.5°	1384.9	1383.7	1368.8	1353.9
10°	1391.2	1388.5	1370.7	1352.8
12.5°	1385.6	1387.8	1367.0	1346.1
15°	1365.7	1375.8	1351.1	1326.4
17.5°	1334.3	1343.3	1317.5	1291.7
20°	1313.9	1320.1	1294.8	1269.5
22.5°	1296.2	1300.1	1274.8	1249.6
25°	1265.8	1265.4	1243.2	1221.0
27.5°	1225.8	1217.2	1204.1	1191.0
30°	1198.8	1182.7	1174.1	1165.5
32.5°	1170.7	1148.1	1142.9	1137.7
35°	1129.4	1100.6	1096.3	1091.9
37.5°	1078.8	1055.3	1046.4	1037.6
40°	1042.9	1027.2	1012.4	997.6
42.5°	999.6	996.1	972.4	948.8
45°	917.1	935.5	903.4	871.3
47.5°	811.3	845.9	813.0	780.0
50°	734.0	773.1	746.6	720.1
52.5°	658.5	697.3	678.2	659.0
55°	548.5	584.4	574.6	564.7
57.5°	456.7	490.7	484.4	478.1
60°	400.1	434.6	430.3	426.0
62.5°	351.6	384.9	381.6	378.2
65°	288.6	317.0	313.9	310.8
67.5°	237.1	260.4	258.8	257.2
70°	206.7	227.4	226.8	226.2
72.5°	178.2	196.7	197.5	198.4
75°	137.8	153.1	154.9	156.8
77.5°	100.5	113.2	115.1	117.1
80°	76.8	86.6	89.1	91.6
82.5°	55.3	61.4	64.8	68.3
85°	26.4	27.1	30.2	33.3
87.5°	12.9	12.5	11.2	9.9
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



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**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: P1428284  
 CATALOG NUMBER: SQ2W-PR1-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	16.50	17.26	17.54	18.30	19.70	12.87	13.63	13.91	14.67	16.06
	3H	17.70	18.38	18.75	19.43	20.84	14.03	14.70	15.08	15.75	17.17
	4H	18.18	18.82	19.24	19.87	21.29	14.49	15.12	15.55	16.17	17.60
	6H	18.47	19.06	19.54	20.12	21.55	14.82	15.41	15.89	16.46	17.90
	8H	18.58	19.13	19.65	20.20	21.63	14.96	15.51	16.03	16.58	18.01
	12H	18.61	19.14	19.69	20.20	21.66	14.98	15.51	16.06	16.58	18.03
4H	2H	16.59	17.23	17.66	18.28	19.71	13.57	14.21	14.64	15.26	16.68
	3H	18.04	18.57	19.12	19.65	21.09	14.92	15.45	15.99	16.52	17.96
	4H	18.67	19.15	19.75	20.22	21.68	15.46	15.94	16.54	17.01	18.47
	6H	19.10	19.51	20.18	20.60	22.05	15.89	16.30	16.97	17.39	18.85
	8H	19.25	19.64	20.34	20.72	22.19	16.07	16.46	17.16	17.54	19.01
	12H	19.31	19.66	20.42	20.76	22.23	16.11	16.46	17.21	17.56	19.03
8H	4H	18.69	19.08	19.78	20.16	21.63	15.78	16.17	16.87	17.25	18.72
	6H	19.22	19.54	20.33	20.66	22.13	16.32	16.64	17.42	17.76	19.23
	8H	19.45	19.73	20.57	20.84	22.32	16.58	16.86	17.69	17.97	19.45
	12H	19.56	19.81	20.68	20.92	22.44	16.67	16.91	17.79	18.02	19.54
12H	4H	18.64	18.99	19.75	20.09	21.56	15.79	16.14	16.90	17.24	18.71
	6H	19.21	19.49	20.32	20.59	22.08	16.39	16.67	17.50	17.78	19.26
	8H	19.45	19.70	20.57	20.80	22.33	16.67	16.92	17.79	18.02	19.55