

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: P1427737

Luminaire Tested: SQ2W-F-K-075U-100D-L840-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1427737  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-F-K-075U-100D-L840-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - FROSTED CONTINUOUS ROLL LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 1000 LUMENS PER FOOT  
UPLIGHT 750 LUMENS PER FOOT  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

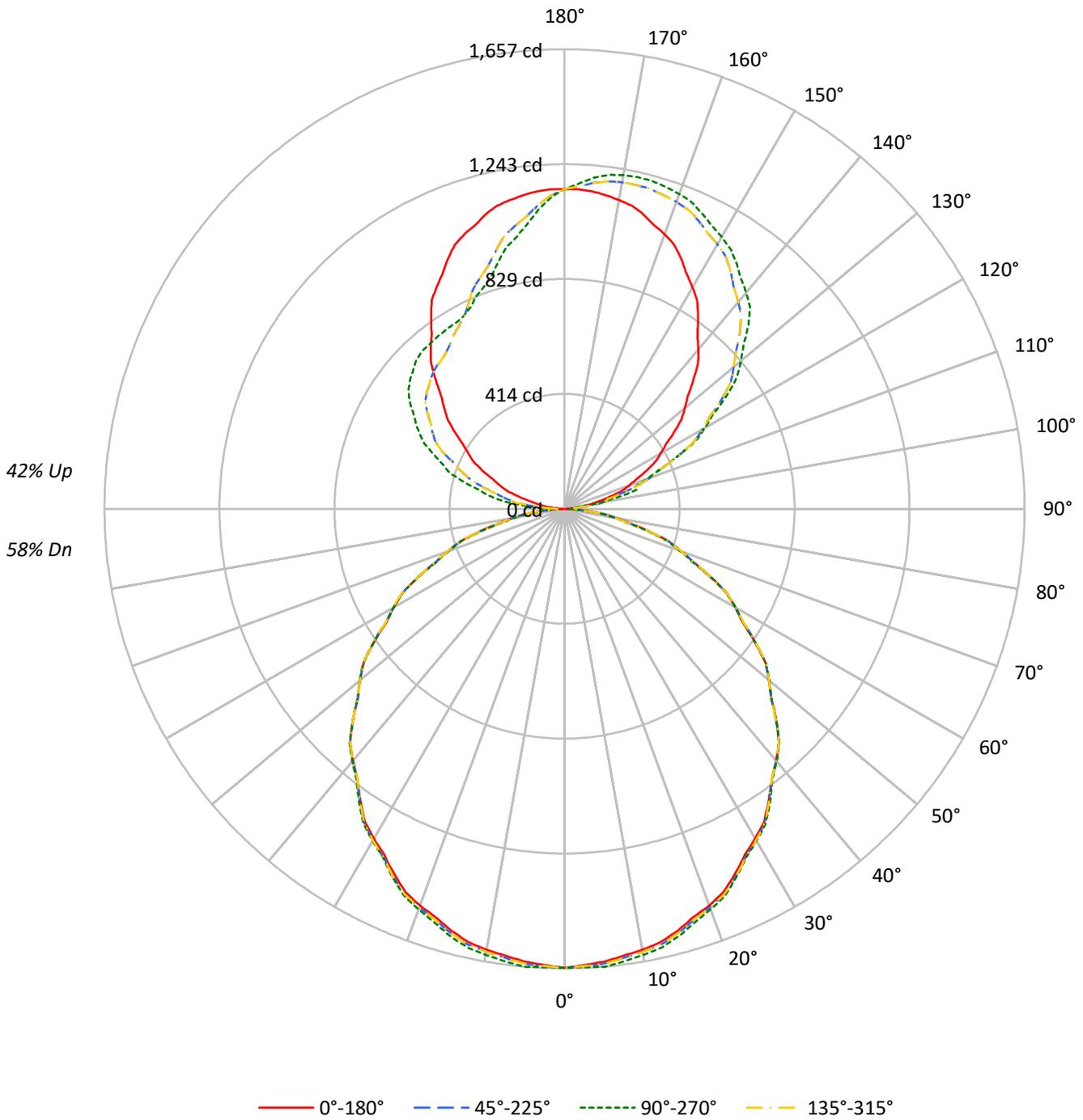
Lumens per Lamp: N/A  
Luminaire Lumens: 8027.4 lumens  
Efficiency: N/A  
Efficacy: 131.2 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 61.2  
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	50	30	10	0	
RCR																						
0	109	109	109	109	102	102	102	102	88	88	88	75	75	75	64	64	64	58				
1	99	95	91	87	92	89	85	82	77	74	72	66	64	62	56	55	53	49				
2	90	83	76	71	84	77	72	67	67	63	59	58	54	52	49	47	45	40				
3	82	73	65	59	76	68	61	56	59	54	50	51	47	44	43	40	38	34				
4	75	64	56	50	70	60	53	47	52	47	42	45	41	37	38	35	32	29				
5	69	57	49	43	64	53	46	40	47	41	36	40	36	32	35	31	28	25				
6	64	51	43	37	59	48	41	35	42	36	32	37	32	28	31	28	25	22				
7	59	46	38	32	55	43	36	31	38	32	28	33	28	25	29	25	22	19				
8	55	42	34	29	51	39	32	27	35	29	25	30	26	22	26	22	20	17				
9	51	38	31	25	47	36	29	24	32	26	22	28	23	20	24	20	18	15				
10	47	35	28	23	44	33	26	22	29	24	20	26	21	18	22	19	16	14				

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

	0°	90°	180°	270°
0°	26719	26719	26719	26719
5°	26557	26859	26557	26859
10°	26463	26767	26463	26767
15°	26318	26649	26318	26649
20°	26151	26412	26151	26412
25°	25869	26097	25869	26097
30°	25593	25769	25593	25769
35°	25266	25428	25266	25428
40°	24980	25054	24980	25054
45°	24614	24614	24614	24614
50°	24121	24179	24121	24179
55°	23555	23586	23555	23586
60°	22917	22917	22917	22917
65°	22173	22082	22173	22082
70°	21125	20908	21125	20908
75°	19700	19263	19700	19263
80°	17554	16690	17554	16690
85°	14042	11874	14042	11874

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 24779 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	156.6	2.0
10°-20°	447.4	5.6
20°-30°	673.5	8.4
30°-40°	805.4	10.0
40°-50°	831.6	10.4
50°-60°	750.1	9.3
60°-70°	574.6	7.2
70°-80°	332.1	4.1
80°-90°	91.0	1.1
90°-100°	91.7	1.1
100°-110°	267.5	3.3
110°-120°	436.5	5.4
120°-130°	553.9	6.9
130°-140°	592.7	7.4
140°-150°	553.5	6.9
150°-160°	455.4	5.7
160°-170°	305.4	3.8
170°-180°	108.5	1.4
0°-30°	1277.5	15.9
0°-40°	2082.8	25.9
0°-60°	3664.5	45.6
0°-90°	4662.2	58.1
90°-120°	795.8	9.9
90°-150°	2495.9	31.1
90°-180°	3365.0	41.9
0°-180°	8027.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1655	1655	1655	1655	1655	
5°	1639	1657	1639	1657	1639	156
15°	1574	1594	1574	1594	1574	444
25°	1452	1465	1452	1465	1452	669
35°	1282	1290	1282	1290	1282	802
45°	1078	1078	1078	1078	1078	831
55°	837	838	837	838	837	748
65°	580	578	580	578	580	574
75°	316	309	316	309	316	334
85°	76	64	76	64	76	88
90°	4	26	4	50	4	6
95°	36	27	36	157	36	44
105°	170	272	170	375	170	181
115°	326	452	326	556	326	321
125°	482	716	482	682	482	431
135°	655	937	655	756	655	506
145°	837	1080	837	772	837	524
155°	994	1174	994	801	994	457
165°	1099	1224	1099	922	1099	309
175°	1149	1198	1149	1082	1149	109
180°	1153	1153	1153	1153	1153	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9
2.5°	1646.5	1654.4	1662.2	1658.9	1651.9	1649.2	1650.8	1652.3	1653.1	1653.9	1653.1
5°	1638.6	1648.9	1659.3	1655.6	1647.4	1643.7	1644.8	1646.8	1652.0	1657.2	1652.0
7.5°	1625.3	1635.6	1646.0	1642.7	1634.8	1631.5	1632.7	1635.0	1640.4	1645.8	1640.4
10°	1614.1	1624.4	1634.8	1631.2	1622.9	1619.8	1621.9	1624.4	1628.6	1632.7	1628.6
12.5°	1600.1	1610.5	1620.8	1617.8	1610.4	1607.2	1608.5	1610.6	1615.1	1619.7	1615.1
15°	1574.5	1584.8	1595.2	1592.3	1585.1	1582.2	1583.8	1586.0	1590.1	1594.3	1590.1
17.5°	1543.5	1553.2	1562.9	1560.3	1553.6	1551.1	1552.9	1555.1	1558.7	1562.3	1558.7
20°	1522.0	1531.3	1540.7	1537.9	1531.2	1528.1	1528.6	1529.9	1533.5	1537.2	1533.5
22.5°	1495.9	1505.2	1514.6	1512.1	1505.8	1502.1	1501.0	1501.2	1505.7	1510.1	1505.7
25°	1452.1	1461.4	1470.7	1468.8	1463.1	1459.5	1457.9	1457.7	1461.3	1464.9	1461.3
27.5°	1406.4	1414.2	1421.9	1420.3	1415.5	1412.6	1411.6	1411.5	1414.1	1416.7	1414.1
30°	1372.8	1380.6	1388.4	1386.4	1381.3	1378.2	1377.1	1377.0	1379.6	1382.2	1379.6
32.5°	1337.4	1344.8	1352.1	1349.5	1343.4	1340.3	1340.1	1340.7	1343.7	1346.7	1343.7
35°	1281.9	1288.2	1294.4	1291.7	1286.0	1283.4	1283.9	1284.9	1287.5	1290.1	1287.5
37.5°	1226.2	1231.0	1235.8	1233.0	1227.7	1225.0	1224.9	1225.4	1227.6	1229.7	1227.6
40°	1185.2	1190.4	1195.6	1192.6	1186.9	1183.8	1183.3	1183.5	1186.1	1188.7	1186.1
42.5°	1143.3	1147.2	1151.1	1148.5	1143.6	1141.3	1141.6	1142.2	1143.5	1144.9	1143.5
45°	1078.0	1081.6	1085.2	1082.7	1078.0	1075.7	1075.7	1075.9	1077.0	1078.0	1077.0
47.5°	1009.7	1012.5	1015.3	1013.3	1009.7	1007.5	1006.9	1006.9	1008.5	1010.2	1008.5
50°	960.3	963.9	967.5	965.7	962.1	959.8	958.7	958.5	960.6	962.6	960.6
52.5°	911.8	915.9	919.9	918.2	914.6	912.0	910.6	909.9	911.6	913.2	911.6
55°	836.8	841.4	846.1	844.9	841.8	839.2	837.1	835.9	836.9	837.9	836.9
57.5°	760.1	764.6	769.2	768.3	765.6	763.0	760.5	759.0	760.5	761.9	760.5
60°	709.7	713.9	718.0	716.7	713.6	711.0	709.0	707.7	708.7	709.7	708.7
62.5°	658.5	662.6	666.7	665.1	661.6	658.8	656.7	655.4	656.5	657.5	656.5
65°	580.4	584.0	587.6	586.2	583.1	580.5	578.4	577.0	577.5	578.0	577.5
67.5°	501.6	504.7	507.8	506.3	503.3	500.3	497.3	495.3	496.1	496.9	496.1
70°	447.5	450.6	453.7	452.6	450.0	447.4	444.8	442.9	442.9	442.9	442.9
72.5°	395.3	398.0	400.7	399.1	396.1	393.5	391.3	389.7	389.7	389.7	389.7
75°	315.8	317.4	318.9	318.2	316.6	314.5	311.9	309.9	309.3	308.8	309.3
77.5°	239.1	239.1	239.1	237.7	235.7	233.7	231.8	230.1	229.5	228.9	229.5
80°	188.8	188.8	188.8	187.6	186.1	184.5	183.0	181.5	180.5	179.5	180.5
82.5°	142.2	141.4	140.5	139.1	137.6	135.6	133.2	131.7	132.8	133.8	132.8
85°	75.8	74.7	73.7	72.3	70.7	68.9	66.8	65.1	64.6	64.1	64.6
87.5°	24.0	24.1	24.4	24.2	23.7	22.5	20.8	19.7	19.5	19.1	19.5
90°	3.5	8.1	14.0	18.6	22.1	23.3	23.3	24.4	25.6	25.6	25.6
92.5°	12.8	20.3	20.5	20.5	24.9	27.0	28.9	29.1	30.3	30.3	30.3
95°	36.1	39.6	59.4	58.2	39.6	31.4	26.8	26.8	26.8	26.8	26.8
97.5°	68.9	74.0	77.3	103.6	109.4	105.7	86.2	72.4	64.7	61.2	64.7
100°	97.8	100.1	107.1	108.3	137.4	165.3	151.3	133.9	128.1	124.6	128.1
102.5°	126.7	128.1	138.8	143.7	150.4	166.2	214.7	209.3	205.4	204.7	205.4
105°	170.0	171.1	190.9	200.2	204.9	204.9	203.7	227.0	264.3	272.4	264.3
107.5°	216.3	221.7	244.9	269.9	275.2	276.6	270.6	267.1	265.7	266.6	265.7
110°	248.0	256.1	284.1	315.5	323.6	326.0	323.6	320.2	317.8	317.8	317.8



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	278.7	290.6	322.3	358.3	372.1	379.1	373.9	371.4	369.1	370.9	369.1
115°	326.0	343.4	385.4	422.6	450.5	454.0	452.9	452.9	451.7	451.7	451.7
117.5°	369.7	397.7	444.7	488.0	520.4	529.7	534.4	533.0	531.6	533.9	531.6
120°	400.5	433.1	486.6	535.5	567.0	580.9	585.6	583.3	585.6	583.3	585.6
122.5°	433.1	473.1	525.8	576.5	613.5	629.4	635.0	635.4	635.9	634.5	635.9
125°	482.0	530.9	592.6	645.0	683.4	702.0	706.7	707.8	710.2	716.0	710.2
127.5°	531.3	586.8	654.5	705.0	744.4	767.0	774.2	776.8	781.6	784.2	781.6
130°	565.8	628.7	697.4	745.1	783.5	808.0	820.8	824.3	830.1	828.9	830.1
132.5°	602.1	667.8	737.4	787.0	822.6	848.9	859.9	869.9	872.0	873.6	872.0
135°	655.4	726.5	796.3	845.2	879.0	904.6	918.6	927.9	933.7	937.2	933.7
137.5°	711.6	786.5	853.6	897.1	931.1	953.2	969.1	978.9	984.9	987.7	984.9
140°	749.7	821.9	887.1	932.5	962.8	984.9	998.9	1010.5	1017.5	1017.5	1017.5
142.5°	786.1	857.3	920.6	966.1	992.6	1012.9	1027.8	1036.6	1044.5	1044.5	1044.5
145°	837.1	908.1	966.3	1011.7	1033.8	1052.4	1068.7	1075.7	1080.4	1080.4	1080.4
147.5°	890.4	953.2	1006.3	1049.9	1068.5	1090.4	1103.2	1108.8	1114.6	1112.0	1114.6
150°	922.0	980.3	1031.5	1072.2	1090.9	1111.8	1124.6	1129.3	1135.1	1131.6	1135.1
152.5°	952.8	1008.2	1054.8	1092.7	1108.6	1129.5	1144.2	1148.8	1152.8	1150.2	1152.8
155°	994.2	1043.1	1086.2	1121.1	1135.1	1154.9	1168.9	1174.7	1179.3	1173.5	1179.3
157.5°	1031.2	1073.4	1110.9	1143.0	1157.9	1174.9	1187.9	1195.2	1199.8	1197.3	1199.8
160°	1053.6	1092.0	1125.8	1156.1	1170.0	1185.2	1199.1	1207.3	1211.9	1208.4	1211.9
162.5°	1072.2	1106.9	1138.8	1166.3	1178.4	1191.7	1208.4	1215.7	1220.3	1215.9	1220.3
165°	1099.0	1126.9	1154.9	1178.2	1188.6	1199.1	1216.6	1224.7	1228.2	1223.6	1228.2
167.5°	1119.3	1140.7	1163.3	1183.3	1191.0	1201.2	1218.7	1225.4	1229.9	1224.0	1229.9
170°	1130.4	1149.1	1168.9	1185.2	1191.0	1200.3	1217.8	1223.6	1227.1	1221.2	1227.1
172.5°	1139.8	1153.7	1169.8	1184.2	1187.3	1194.7	1211.2	1217.1	1219.6	1214.7	1219.6
175°	1149.1	1157.2	1168.9	1178.2	1177.0	1181.7	1195.6	1200.3	1204.9	1198.0	1204.9
177.5°	1153.5	1157.2	1160.9	1166.5	1162.8	1162.8	1173.0	1175.8	1176.8	1173.0	1176.8
180°	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9
2.5°	1652.3	1650.8	1649.2	1651.9	1658.9	1662.2	1654.4	1646.5	1654.4	1662.2	1658.9
5°	1646.8	1644.8	1643.7	1647.4	1655.6	1659.3	1648.9	1638.6	1648.9	1659.3	1655.6
7.5°	1635.0	1632.7	1631.5	1634.8	1642.7	1646.0	1635.6	1625.3	1635.6	1646.0	1642.7
10°	1624.4	1621.9	1619.8	1622.9	1631.2	1634.8	1624.4	1614.1	1624.4	1634.8	1631.2
12.5°	1610.6	1608.5	1607.2	1610.4	1617.8	1620.8	1610.5	1600.1	1610.5	1620.8	1617.8
15°	1586.0	1583.8	1582.2	1585.1	1592.3	1595.2	1584.8	1574.5	1584.8	1595.2	1592.3
17.5°	1555.1	1552.9	1551.1	1553.6	1560.3	1562.9	1553.2	1543.5	1553.2	1562.9	1560.3
20°	1529.9	1528.6	1528.1	1531.2	1537.9	1540.7	1531.3	1522.0	1531.3	1540.7	1537.9
22.5°	1501.2	1501.0	1502.1	1505.8	1512.1	1514.6	1505.2	1495.9	1505.2	1514.6	1512.1
25°	1457.7	1457.9	1459.5	1463.1	1468.8	1470.7	1461.4	1452.1	1461.4	1470.7	1468.8
27.5°	1411.5	1411.6	1412.6	1415.5	1420.3	1421.9	1414.2	1406.4	1414.2	1421.9	1420.3
30°	1377.0	1377.1	1378.2	1381.3	1386.4	1388.4	1380.6	1372.8	1380.6	1388.4	1386.4
32.5°	1340.7	1340.1	1340.3	1343.4	1349.5	1352.1	1344.8	1337.4	1344.8	1352.1	1349.5
35°	1284.9	1283.9	1283.4	1286.0	1291.7	1294.4	1288.2	1281.9	1288.2	1294.4	1291.7
37.5°	1225.4	1224.9	1225.0	1227.7	1233.0	1235.8	1231.0	1226.2	1231.0	1235.8	1233.0
40°	1183.5	1183.3	1183.8	1186.9	1192.6	1195.6	1190.4	1185.2	1190.4	1195.6	1192.6
42.5°	1142.2	1141.6	1141.3	1143.6	1148.5	1151.1	1147.2	1143.3	1147.2	1151.1	1148.5
45°	1075.9	1075.7	1075.7	1078.0	1082.7	1085.2	1081.6	1078.0	1081.6	1085.2	1082.7
47.5°	1006.9	1006.9	1007.5	1009.7	1013.3	1015.3	1012.5	1009.7	1012.5	1015.3	1013.3
50°	958.5	958.7	959.8	962.1	965.7	967.5	963.9	960.3	963.9	967.5	965.7
52.5°	909.9	910.6	912.0	914.6	918.2	919.9	915.9	911.8	915.9	919.9	918.2
55°	835.9	837.1	839.2	841.8	844.9	846.1	841.4	836.8	841.4	846.1	844.9
57.5°	759.0	760.5	763.0	765.6	768.3	769.2	764.6	760.1	764.6	769.2	768.3
60°	707.7	709.0	711.0	713.6	716.7	718.0	713.9	709.7	713.9	718.0	716.7
62.5°	655.4	656.7	658.8	661.6	665.1	666.7	662.6	658.5	662.6	666.7	665.1
65°	577.0	578.4	580.5	583.1	586.2	587.6	584.0	580.4	584.0	587.6	586.2
67.5°	495.3	497.3	500.3	503.3	506.3	507.8	504.7	501.6	504.7	507.8	506.3
70°	442.9	444.8	447.4	450.0	452.6	453.7	450.6	447.5	450.6	453.7	452.6
72.5°	389.7	391.3	393.5	396.1	399.1	400.7	398.0	395.3	398.0	400.7	399.1
75°	309.9	311.9	314.5	316.6	318.2	318.9	317.4	315.8	317.4	318.9	318.2
77.5°	230.1	231.8	233.7	235.7	237.7	239.1	239.1	239.1	239.1	239.1	237.7
80°	181.5	183.0	184.5	186.1	187.6	188.8	188.8	188.8	188.8	188.8	187.6
82.5°	131.7	133.2	135.6	137.6	139.1	140.5	141.4	142.2	141.4	140.5	139.1
85°	65.1	66.8	68.9	70.7	72.3	73.7	74.7	75.8	74.7	73.7	72.3
87.5°	19.7	20.8	22.5	23.7	24.2	24.4	24.1	24.0	24.1	24.2	24.7
90°	24.4	23.3	23.3	22.1	18.6	14.0	8.1	3.5	8.1	12.8	21.0
92.5°	29.1	28.9	27.0	24.9	20.5	20.5	20.3	12.8	22.1	31.4	45.2
95°	26.8	26.8	31.4	39.6	58.2	59.4	39.6	36.1	51.2	72.2	90.8
97.5°	72.4	86.2	105.7	109.4	103.6	77.3	74.0	68.9	93.8	114.6	144.6
100°	133.9	151.3	165.3	137.4	108.3	107.1	100.1	97.8	124.6	144.4	173.5
102.5°	209.3	214.7	166.2	150.4	143.7	138.8	128.1	126.7	153.4	180.7	205.1
105°	227.0	203.7	204.9	204.9	200.2	190.9	171.1	170.0	200.2	231.7	261.9
107.5°	267.1	270.6	276.6	275.2	269.9	244.9	221.7	216.3	243.6	281.3	314.6
110°	320.2	323.6	326.0	323.6	315.5	284.1	256.1	248.0	272.4	312.0	348.1



TEST NUMBER: P1427737

CATALOG NUMBER: SQ2W-F-K-075U-100D-L840-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	371.4	373.9	379.1	372.1	358.3	322.3	290.6	278.7	303.2	343.7	380.7
115°	452.9	452.9	454.0	450.5	422.6	385.4	343.4	326.0	346.9	384.2	424.9
117.5°	533.0	534.4	529.7	520.4	488.0	444.7	397.7	369.7	386.3	425.6	467.5
120°	583.3	585.6	580.9	567.0	535.5	486.6	433.1	400.5	413.3	451.7	493.6
122.5°	635.4	635.0	629.4	613.5	576.5	525.8	473.1	433.1	438.4	474.1	515.0
125°	707.8	706.7	702.0	683.4	645.0	592.6	530.9	482.0	475.0	505.3	547.2
127.5°	776.8	774.2	767.0	744.4	705.0	654.5	586.8	531.3	515.7	534.8	573.3
130°	824.3	820.8	808.0	783.5	745.1	697.4	628.7	565.8	543.7	555.3	589.1
132.5°	869.9	859.9	848.9	822.6	787.0	737.4	667.8	602.1	571.6	576.7	603.1
135°	927.9	918.6	904.6	879.0	845.2	796.3	726.5	655.4	613.5	608.9	624.0
137.5°	978.9	969.1	953.2	931.1	897.1	853.6	786.5	711.6	658.7	643.1	648.9
140°	1010.5	998.9	984.9	962.8	932.5	887.1	821.9	749.7	690.4	668.3	664.8
142.5°	1036.6	1027.8	1012.9	992.6	966.1	920.6	857.3	786.1	723.0	694.3	686.2
145°	1075.7	1068.7	1052.4	1033.8	1011.7	966.3	908.1	837.1	774.2	736.9	719.5
147.5°	1108.8	1103.2	1090.4	1068.5	1049.9	1006.3	953.2	890.4	825.9	779.8	757.2
150°	1129.3	1124.6	1111.8	1090.9	1072.2	1031.5	980.3	922.0	860.3	811.4	782.3
152.5°	1148.8	1144.2	1129.5	1108.6	1092.7	1054.8	1008.2	952.8	890.1	841.3	811.2
155°	1174.7	1168.9	1154.9	1135.1	1121.1	1086.2	1043.1	994.2	940.7	889.4	855.7
157.5°	1195.2	1187.9	1174.9	1157.9	1143.0	1110.9	1073.4	1031.2	984.4	935.6	901.1
160°	1207.3	1199.1	1185.2	1170.0	1156.1	1125.8	1092.0	1053.6	1010.5	966.3	929.0
162.5°	1215.7	1208.4	1191.7	1178.4	1166.3	1138.8	1106.9	1072.2	1033.8	995.2	960.7
165°	1224.7	1216.6	1199.1	1188.6	1178.2	1154.9	1126.9	1099.0	1066.4	1035.0	1007.0
167.5°	1225.4	1218.7	1201.2	1191.0	1183.3	1163.3	1140.7	1119.3	1093.9	1069.2	1045.9
170°	1223.6	1217.8	1200.3	1191.0	1185.2	1168.9	1149.1	1130.4	1110.6	1089.7	1071.1
172.5°	1217.1	1211.2	1194.7	1187.3	1184.2	1169.8	1153.7	1139.8	1122.8	1107.4	1092.5
175°	1200.3	1195.6	1181.7	1177.0	1178.2	1168.9	1157.2	1149.1	1138.6	1129.3	1121.1
177.5°	1175.8	1173.0	1162.8	1162.8	1166.5	1160.9	1157.2	1153.5	1148.8	1146.0	1143.2
180°	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6



TEST NUMBER: P1427737

CATALOG NUMBER: SQ2W-F-K-075U-100D-L840-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9	1654.9
2.5°	1651.9	1649.2	1650.8	1652.3	1653.1	1653.9	1653.1	1652.3	1650.8	1649.2	1651.9
5°	1647.4	1643.7	1644.8	1646.8	1652.0	1657.2	1652.0	1646.8	1644.8	1643.7	1647.4
7.5°	1634.8	1631.5	1632.7	1635.0	1640.4	1645.8	1640.4	1635.0	1632.7	1631.5	1634.8
10°	1622.9	1619.8	1621.9	1624.4	1628.6	1632.7	1628.6	1624.4	1621.9	1619.8	1622.9
12.5°	1610.4	1607.2	1608.5	1610.6	1615.1	1619.7	1615.1	1610.6	1608.5	1607.2	1610.4
15°	1585.1	1582.2	1583.8	1586.0	1590.1	1594.3	1590.1	1586.0	1583.8	1582.2	1585.1
17.5°	1553.6	1551.1	1552.9	1555.1	1558.7	1562.3	1558.7	1555.1	1552.9	1551.1	1553.6
20°	1531.2	1528.1	1528.6	1529.9	1533.5	1537.2	1533.5	1529.9	1528.6	1528.1	1531.2
22.5°	1505.8	1502.1	1501.0	1501.2	1505.7	1510.1	1505.7	1501.2	1501.0	1502.1	1505.8
25°	1463.1	1459.5	1457.9	1457.7	1461.3	1464.9	1461.3	1457.7	1457.9	1459.5	1463.1
27.5°	1415.5	1412.6	1411.6	1411.5	1414.1	1416.7	1414.1	1411.5	1411.6	1412.6	1415.5
30°	1381.3	1378.2	1377.1	1377.0	1379.6	1382.2	1379.6	1377.0	1377.1	1378.2	1381.3
32.5°	1343.4	1340.3	1340.1	1340.7	1343.7	1346.7	1343.7	1340.7	1340.1	1340.3	1343.4
35°	1286.0	1283.4	1283.9	1284.9	1287.5	1290.1	1287.5	1284.9	1283.9	1283.4	1286.0
37.5°	1227.7	1225.0	1224.9	1225.4	1227.6	1229.7	1227.6	1225.4	1224.9	1225.0	1227.7
40°	1186.9	1183.8	1183.3	1183.5	1186.1	1188.7	1186.1	1183.5	1183.3	1183.8	1186.9
42.5°	1143.6	1141.3	1141.6	1142.2	1143.5	1144.9	1143.5	1142.2	1141.6	1141.3	1143.6
45°	1078.0	1075.7	1075.7	1075.9	1077.0	1078.0	1077.0	1075.9	1075.7	1075.7	1078.0
47.5°	1009.7	1007.5	1006.9	1006.9	1008.5	1010.2	1008.5	1006.9	1006.9	1007.5	1009.7
50°	962.1	959.8	958.7	958.5	960.6	962.6	960.6	958.5	958.7	959.8	962.1
52.5°	914.6	912.0	910.6	909.9	911.6	913.2	911.6	909.9	910.6	912.0	914.6
55°	841.8	839.2	837.1	835.9	836.9	837.9	836.9	835.9	837.1	839.2	841.8
57.5°	765.6	763.0	760.5	759.0	760.5	761.9	760.5	759.0	760.5	763.0	765.6
60°	713.6	711.0	709.0	707.7	708.7	709.7	708.7	707.7	709.0	711.0	713.6
62.5°	661.6	658.8	656.7	655.4	656.5	657.5	656.5	655.4	656.7	658.8	661.6
65°	583.1	580.5	578.4	577.0	577.5	578.0	577.5	577.0	578.4	580.5	583.1
67.5°	503.3	500.3	497.3	495.3	496.1	496.9	496.1	495.3	497.3	500.3	503.3
70°	450.0	447.4	444.8	442.9	442.9	442.9	442.9	442.9	444.8	447.4	450.0
72.5°	396.1	393.5	391.3	389.7	389.7	389.7	389.7	389.7	391.3	393.5	396.1
75°	316.6	314.5	311.9	309.9	309.3	308.8	309.3	309.9	311.9	314.5	316.6
77.5°	235.7	233.7	231.8	230.1	229.5	228.9	229.5	230.1	231.8	233.7	235.7
80°	186.1	184.5	183.0	181.5	180.5	179.5	180.5	181.5	183.0	184.5	186.1
82.5°	137.6	135.6	133.2	131.7	132.8	133.8	132.8	131.7	133.2	135.6	137.6
85°	70.7	68.9	66.8	65.1	64.6	64.1	64.6	65.1	66.8	68.9	70.7
87.5°	24.6	24.8	24.8	24.4	24.9	24.0	24.9	24.4	24.8	24.8	24.6
90°	26.8	34.9	43.1	47.7	52.4	50.1	52.4	47.7	43.1	34.9	26.8
92.5°	53.8	67.5	77.5	85.9	89.6	89.2	89.6	85.9	77.5	67.5	53.8
95°	108.3	124.6	140.9	152.5	159.5	157.2	159.5	152.5	140.9	124.6	108.3
97.5°	166.9	188.8	207.0	217.9	224.9	229.6	224.9	217.9	207.0	188.8	166.9
100°	206.1	227.0	248.0	260.8	272.4	277.1	272.4	260.8	248.0	227.0	206.1
102.5°	237.7	265.2	288.0	301.8	311.5	316.2	311.5	301.8	288.0	265.2	237.7
105°	289.9	319.0	343.4	360.9	371.4	374.9	371.4	360.9	343.4	319.0	289.9
107.5°	342.0	372.1	394.7	414.0	426.8	434.2	426.8	414.0	394.7	372.1	342.0
110°	383.0	407.5	431.9	449.4	462.2	466.8	462.2	449.4	431.9	407.5	383.0



TEST NUMBER: P1427737

CATALOG NUMBER: SQ2W-F-K-075U-100D-L840-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	417.5	444.7	469.2	486.6	501.3	507.8	501.3	486.6	469.2	444.7	417.5
115°	465.7	501.8	523.9	540.2	550.7	556.5	550.7	540.2	523.9	501.8	465.7
117.5°	505.7	543.4	567.7	580.2	585.1	589.3	585.1	580.2	567.7	543.4	505.7
120°	530.9	565.8	593.7	610.0	615.9	618.2	615.9	610.0	593.7	565.8	530.9
122.5°	554.2	587.2	614.2	634.3	643.8	646.1	643.8	634.3	614.2	587.2	554.2
125°	586.8	618.2	646.1	665.9	676.4	682.2	676.4	665.9	646.1	618.2	586.8
127.5°	615.2	649.2	674.8	692.7	702.9	707.6	702.9	692.7	674.8	649.2	615.2
130°	631.0	665.9	691.5	711.3	720.6	725.3	720.6	711.3	691.5	665.9	631.0
132.5°	643.1	679.9	706.4	724.4	734.6	739.3	734.6	724.4	706.4	679.9	643.1
135°	657.8	696.2	724.1	741.6	750.9	755.6	750.9	741.6	724.1	696.2	657.8
137.5°	670.6	705.5	734.6	753.0	761.4	764.4	761.4	753.0	734.6	705.5	670.6
140°	679.9	710.2	739.3	756.7	766.0	767.2	766.0	756.7	739.3	710.2	679.9
142.5°	692.0	715.7	741.1	758.6	767.9	770.0	767.9	758.6	741.1	715.7	692.0
145°	713.7	727.6	745.1	761.4	769.5	771.9	769.5	761.4	745.1	727.6	713.7
147.5°	740.9	745.3	754.4	765.1	773.0	774.7	773.0	765.1	754.4	745.3	740.9
150°	761.4	760.2	763.7	770.7	777.7	776.5	777.7	770.7	763.7	760.2	761.4
152.5°	784.7	777.9	777.7	780.9	784.2	784.0	784.2	780.9	777.7	777.9	784.7
155°	824.3	811.4	804.5	802.1	802.1	801.0	802.1	802.1	804.5	811.4	824.3
157.5°	867.8	849.9	839.4	833.8	832.2	829.6	832.2	833.8	839.4	849.9	867.8
160°	897.6	877.8	867.3	858.0	854.5	851.0	854.5	858.0	867.3	877.8	897.6
162.5°	925.5	906.7	895.3	886.9	883.4	878.0	883.4	886.9	895.3	906.7	925.5
165°	970.9	951.2	938.3	931.4	926.7	922.0	926.7	931.4	938.3	951.2	970.9
167.5°	1016.3	994.7	986.3	978.4	974.0	965.6	974.0	978.4	986.3	994.7	1016.3
170°	1044.3	1024.5	1019.8	1012.9	1004.7	995.4	1004.7	1012.9	1019.8	1024.5	1044.3
172.5°	1068.5	1055.2	1050.6	1043.6	1041.0	1033.6	1041.0	1043.6	1050.6	1055.2	1068.5
175°	1103.7	1093.2	1093.2	1092.0	1088.5	1081.5	1088.5	1092.0	1093.2	1093.2	1103.7
177.5°	1133.0	1127.4	1131.1	1131.1	1130.2	1123.7	1130.2	1131.1	1131.1	1127.4	1133.0
180°	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6



TEST NUMBER: P1427737

CATALOG NUMBER: SQ2W-F-K-075U-100D-L840-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1654.9	1654.9	1654.9	1654.9
2.5°	1658.9	1662.2	1654.4	1646.5
5°	1655.6	1659.3	1648.9	1638.6
7.5°	1642.7	1646.0	1635.6	1625.3
10°	1631.2	1634.8	1624.4	1614.1
12.5°	1617.8	1620.8	1610.5	1600.1
15°	1592.3	1595.2	1584.8	1574.5
17.5°	1560.3	1562.9	1553.2	1543.5
20°	1537.9	1540.7	1531.3	1522.0
22.5°	1512.1	1514.6	1505.2	1495.9
25°	1468.8	1470.7	1461.4	1452.1
27.5°	1420.3	1421.9	1414.2	1406.4
30°	1386.4	1388.4	1380.6	1372.8
32.5°	1349.5	1352.1	1344.8	1337.4
35°	1291.7	1294.4	1288.2	1281.9
37.5°	1233.0	1235.8	1231.0	1226.2
40°	1192.6	1195.6	1190.4	1185.2
42.5°	1148.5	1151.1	1147.2	1143.3
45°	1082.7	1085.2	1081.6	1078.0
47.5°	1013.3	1015.3	1012.5	1009.7
50°	965.7	967.5	963.9	960.3
52.5°	918.2	919.9	915.9	911.8
55°	844.9	846.1	841.4	836.8
57.5°	768.3	769.2	764.6	760.1
60°	716.7	718.0	713.9	709.7
62.5°	665.1	666.7	662.6	658.5
65°	586.2	587.6	584.0	580.4
67.5°	506.3	507.8	504.7	501.6
70°	452.6	453.7	450.6	447.5
72.5°	399.1	400.7	398.0	395.3
75°	318.2	318.9	317.4	315.8
77.5°	237.7	239.1	239.1	239.1
80°	187.6	188.8	188.8	188.8
82.5°	139.1	140.5	141.4	142.2
85°	72.3	73.7	74.7	75.8
87.5°	24.7	24.2	24.1	24.0
90°	21.0	12.8	8.1	3.5
92.5°	45.2	31.4	22.1	12.8
95°	90.8	72.2	51.2	36.1
97.5°	144.6	114.6	93.8	68.9
100°	173.5	144.4	124.6	97.8
102.5°	205.1	180.7	153.4	126.7
105°	261.9	231.7	200.2	170.0
107.5°	314.6	281.3	243.6	216.3
110°	348.1	312.0	272.4	248.0



TEST NUMBER: P1427737

CATALOG NUMBER: SQ2W-F-K-075U-100D-L840-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	380.7	343.7	303.2	278.7
115°	424.9	384.2	346.9	326.0
117.5°	467.5	425.6	386.3	369.7
120°	493.6	451.7	413.3	400.5
122.5°	515.0	474.1	438.4	433.1
125°	547.2	505.3	475.0	482.0
127.5°	573.3	534.8	515.7	531.3
130°	589.1	555.3	543.7	565.8
132.5°	603.1	576.7	571.6	602.1
135°	624.0	608.9	613.5	655.4
137.5°	648.9	643.1	658.7	711.6
140°	664.8	668.3	690.4	749.7
142.5°	686.2	694.3	723.0	786.1
145°	719.5	736.9	774.2	837.1
147.5°	757.2	779.8	825.9	890.4
150°	782.3	811.4	860.3	922.0
152.5°	811.2	841.3	890.1	952.8
155°	855.7	889.4	940.7	994.2
157.5°	901.1	935.6	984.4	1031.2
160°	929.0	966.3	1010.5	1053.6
162.5°	960.7	995.2	1033.8	1072.2
165°	1007.0	1035.0	1066.4	1099.0
167.5°	1045.9	1069.2	1093.9	1119.3
170°	1071.1	1089.7	1110.6	1130.4
172.5°	1092.5	1107.4	1122.8	1139.8
175°	1121.1	1129.3	1138.6	1149.1
177.5°	1143.2	1146.0	1148.8	1153.5
180°	1152.6	1152.6	1152.6	1152.6



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**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	19.99	20.94	20.87	21.84	22.99	19.90	20.86	20.78	21.76	22.91
	3H	21.78	22.64	22.68	23.55	24.73	21.68	22.54	22.58	23.45	24.63
	4H	22.48	23.29	23.39	24.21	25.40	22.37	23.18	23.28	24.10	25.28
	6H	22.93	23.67	23.85	24.60	25.80	22.79	23.53	23.71	24.46	25.66
	8H	23.09	23.80	24.02	24.74	25.94	22.93	23.65	23.86	24.59	25.79
	12H	23.18	23.85	24.11	24.79	26.01	23.00	23.68	23.93	24.62	25.84
4H	2H	20.58	21.39	21.49	22.31	23.49	20.51	21.32	21.43	22.24	23.43
	3H	22.61	23.29	23.53	24.24	25.44	22.52	23.19	23.44	24.14	25.34
	4H	23.43	24.04	24.36	24.99	26.21	23.32	23.93	24.25	24.88	26.10
	6H	23.98	24.52	24.93	25.49	26.71	23.84	24.38	24.79	25.35	26.57
	8H	24.20	24.70	25.15	25.66	26.90	24.04	24.54	24.99	25.50	26.74
	12H	24.32	24.77	25.29	25.75	26.99	24.13	24.58	25.10	25.56	26.81
8H	4H	23.68	24.18	24.63	25.14	26.38	23.58	24.08	24.53	25.04	26.28
	6H	24.37	24.78	25.35	25.79	27.03	24.24	24.65	25.22	25.66	26.90
	8H	24.68	25.04	25.66	26.04	27.29	24.52	24.89	25.51	25.88	27.14
	12H	24.86	25.19	25.86	26.17	27.48	24.67	25.00	25.66	25.98	27.28
12H	4H	23.68	24.13	24.65	25.11	26.35	23.58	24.03	24.56	25.01	26.26
	6H	24.42	24.79	25.41	25.78	27.04	24.30	24.66	25.28	25.66	26.91
	8H	24.76	25.08	25.75	26.07	27.37	24.61	24.93	25.60	25.92	27.22