

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: P1427925

Luminaire Tested: SQ2W-PH1-K-100U-075D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427925
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PH1-K-100U-075D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE HEX LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

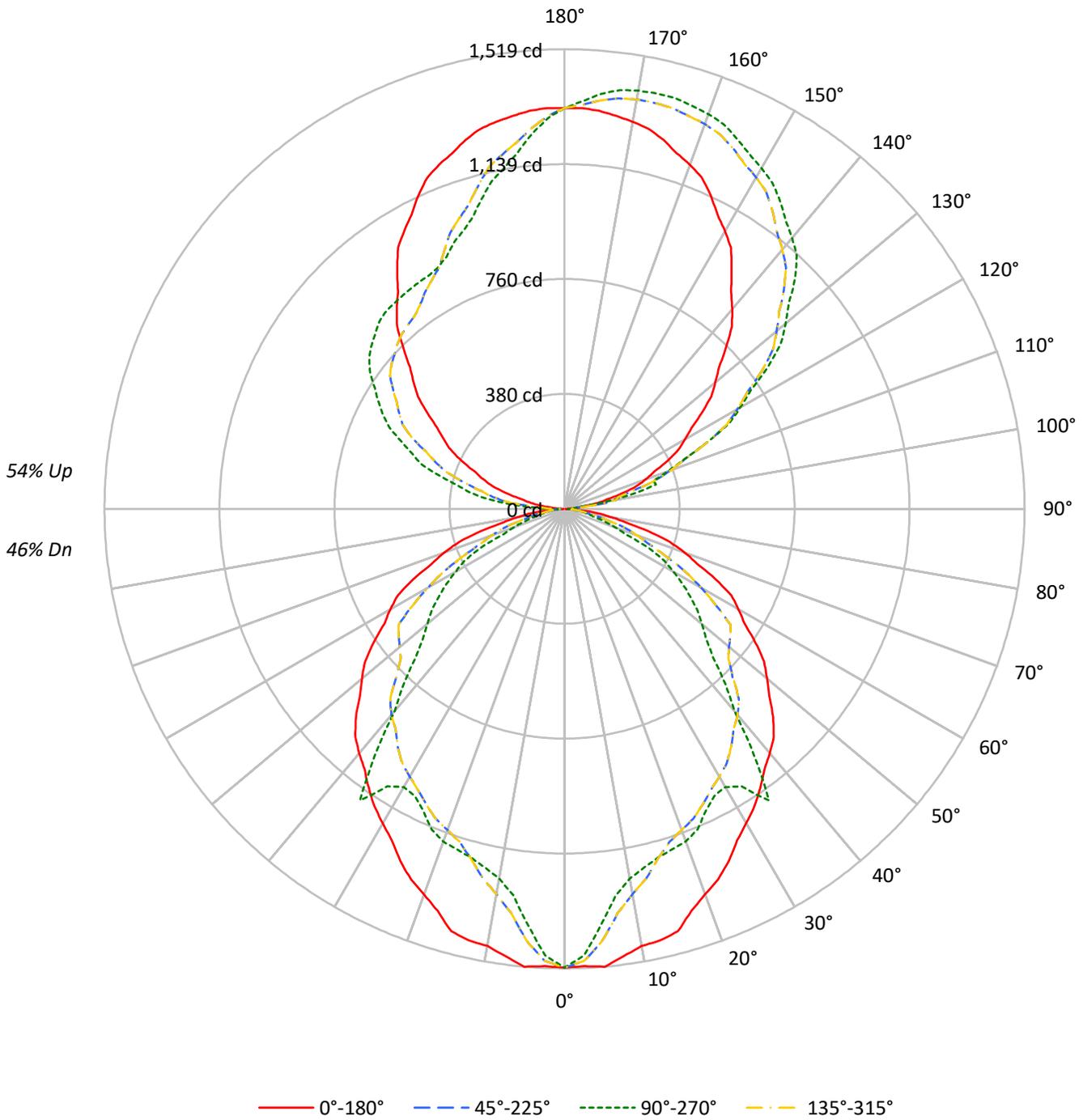
Lumens per Lamp: N/A
Luminaire Lumens: 7224.1 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.02 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 59.8
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	106	106	106	106	98	98	98	98	81	81	81	67	67	67	53	53	53	46				
1	97	93	89	86	89	86	82	79	72	69	67	59	57	56	47	46	45	40				
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	42	40	38	33				
3	81	72	64	59	74	66	60	55	56	51	47	46	43	40	37	35	33	28				
4	74	63	56	50	68	59	52	46	49	44	40	41	37	34	33	30	28	24				
5	68	56	48	43	62	52	45	40	44	39	35	37	33	30	30	27	25	21				
6	63	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	22	19				
7	58	46	38	32	53	42	35	30	36	31	27	30	26	23	25	22	19	17				
8	54	41	34	29	49	39	32	27	33	27	24	28	23	20	23	20	17	15				
9	50	38	30	25	46	35	29	24	30	25	21	25	21	18	21	18	16	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°	24480	24480	24480	24480
5°	24619	22374	24619	22374
10°	24053	20339	24053	20339
15°	24162	19941	24162	19941
20°	23298	20101	23298	20101
25°	22872	19634	22872	19634
30°	22376	19794	22376	19794
35°	22207	23201	22207	23201
40°	22225	18396	22225	18396
45°	22233	15844	22233	15844
50°	21923	14857	21923	14857
55°	21644	14252	21644	14252
60°	21428	13369	21428	13369
65°	21054	11629	21054	11629
70°	19883	8308	19883	8308
75°	17729	6301	17729	6301
80°	14486	5904	14486	5904
85°	9077	4001	9077	4001

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 22233 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.4	1.8
10°-20°	350.9	4.9
20°-30°	514.5	7.1
30°-40°	623.0	8.6
40°-50°	612.6	8.5
50°-60°	532.9	7.4
60°-70°	370.6	5.1
70°-80°	175.8	2.4
80°-90°	44.2	0.6
90°-100°	105.4	1.5
100°-110°	307.3	4.3
110°-120°	501.5	6.9
120°-130°	636.4	8.8
130°-140°	681.0	9.4
140°-150°	635.9	8.8
150°-160°	523.2	7.2
160°-170°	350.9	4.9
170°-180°	124.6	1.7
0°-30°	998.8	13.8
0°-40°	1621.8	22.4
0°-60°	2767.2	38.3
0°-90°	3357.8	46.5
90°-120°	914.2	12.7
90°-150°	2867.5	39.7
90°-180°	3866.0	53.5
0°-180°	7224.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1516	1516	1516	1516	1516	
5°	1519	1380	1519	1380	1519	143
15°	1446	1193	1446	1193	1446	403
25°	1284	1102	1284	1102	1284	590
35°	1127	1177	1127	1177	1127	706
45°	974	694	974	694	974	748
55°	769	506	769	506	769	687
65°	551	304	551	304	551	541
75°	284	101	284	101	284	301
85°	49	22	49	22	49	66
90°	4	29	4	58	4	5
95°	42	31	42	181	42	50
105°	195	313	195	431	195	208
115°	374	519	374	639	374	369
125°	554	823	554	784	554	495
135°	753	1077	753	868	753	582
145°	962	1241	962	887	962	602
155°	1142	1348	1142	920	1142	525
165°	1263	1406	1263	1059	1263	355
175°	1320	1376	1320	1243	1320	125
180°	1324	1324	1324	1324	1324	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1516.2	1516.2	1516.2	1516.2	1516.2	1516.2	1516.2	1516.2	1516.2	1516.2	1516.2
2.5°	1512.7	1519.9	1527.1	1516.9	1501.0	1490.0	1483.8	1479.0	1477.9	1476.9	1477.9
5°	1519.0	1518.4	1517.8	1487.8	1448.0	1418.2	1398.3	1383.1	1381.8	1380.5	1381.8
7.5°	1491.3	1471.5	1451.6	1411.3	1364.3	1329.8	1307.8	1291.1	1290.1	1289.1	1290.1
10°	1467.1	1437.0	1406.8	1361.3	1310.7	1275.4	1255.5	1240.6	1240.6	1240.6	1240.6
12.5°	1461.3	1413.8	1366.2	1316.3	1265.7	1233.0	1218.2	1207.9	1211.0	1214.1	1211.0
15°	1445.5	1373.7	1301.8	1251.2	1207.6	1183.9	1180.0	1178.9	1186.0	1193.0	1186.0
17.5°	1393.0	1315.6	1238.3	1193.8	1160.2	1147.5	1155.7	1163.9	1172.1	1180.3	1172.1
20°	1356.0	1279.7	1203.4	1162.2	1132.7	1125.7	1141.1	1154.5	1162.2	1169.9	1162.2
22.5°	1324.9	1247.5	1170.2	1133.8	1110.9	1108.0	1124.9	1138.6	1142.7	1146.9	1142.7
25°	1283.9	1196.7	1109.5	1082.9	1076.5	1080.7	1095.4	1106.0	1104.1	1102.1	1104.1
27.5°	1234.8	1143.8	1052.8	1035.7	1043.2	1051.5	1060.5	1067.5	1068.7	1069.8	1068.7
30°	1200.2	1109.2	1018.1	1004.5	1016.7	1027.3	1036.3	1045.1	1053.4	1061.7	1053.4
32.5°	1166.8	1072.6	978.5	968.7	987.1	1006.9	1028.2	1048.9	1068.0	1087.1	1068.0
35°	1126.7	1028.6	930.5	922.8	945.2	974.1	1009.3	1051.5	1114.3	1177.1	1114.3
37.5°	1084.5	979.4	874.2	870.7	901.1	931.5	961.9	989.7	1009.7	1029.7	1009.7
40°	1054.5	944.2	834.0	833.8	870.4	908.2	947.3	965.1	918.9	872.8	918.9
42.5°	1022.2	911.9	801.7	798.4	830.9	872.5	923.4	942.1	864.2	786.2	864.2
45°	973.7	859.0	744.2	740.0	772.7	795.8	809.3	805.4	749.7	693.9	749.7
47.5°	916.6	807.2	697.9	697.0	732.2	734.8	704.7	676.6	654.8	633.0	654.8
50°	872.8	769.5	666.3	670.8	711.2	707.3	659.3	619.7	605.6	591.5	605.6
52.5°	830.1	732.0	633.9	645.8	694.4	686.7	622.7	572.4	562.9	553.4	562.9
55°	768.9	674.6	580.4	607.3	674.6	664.4	576.6	510.2	508.3	506.3	508.3
57.5°	704.0	614.9	525.7	544.4	599.1	588.3	512.1	455.8	459.2	462.5	459.2
60°	663.6	577.0	490.5	492.9	524.9	514.7	462.1	421.7	417.9	414.0	417.9
62.5°	620.9	538.4	456.0	444.0	455.6	443.5	407.9	380.2	376.3	372.5	376.3
65°	551.1	476.1	401.0	378.4	373.3	356.0	326.5	304.4	304.4	304.4	304.4
67.5°	474.3	408.9	343.5	318.2	306.3	289.1	266.7	246.0	230.6	215.2	230.6
70°	421.2	363.5	305.8	279.4	263.4	242.8	217.8	196.5	186.3	176.0	186.3
72.5°	364.7	315.2	265.7	238.6	219.0	199.0	178.6	160.4	148.6	136.8	148.6
75°	284.2	244.4	204.7	178.4	156.6	136.4	117.8	103.5	102.3	101.0	102.3
77.5°	205.4	176.4	147.5	126.2	107.5	93.4	84.1	77.1	77.2	77.3	77.2
80°	155.8	134.0	112.2	92.3	73.1	63.2	62.5	62.2	62.8	63.5	62.8
82.5°	109.6	93.5	77.3	64.6	53.1	47.8	48.7	49.4	49.5	49.6	49.5
85°	49.0	41.4	33.7	30.8	29.5	27.6	25.0	22.9	22.3	21.6	22.3
87.5°	11.2	11.7	12.6	12.4	11.6	11.1	11.1	11.4	11.7	11.7	11.7
90°	4.0	9.4	16.1	21.4	25.4	26.8	26.8	28.1	29.4	29.4	29.4
92.5°	14.7	23.3	23.5	23.5	28.6	31.0	33.2	33.4	34.8	34.8	34.8
95°	41.5	45.5	68.2	66.9	45.5	36.1	30.8	30.8	30.8	30.8	30.8
97.5°	79.2	85.1	88.8	119.0	125.7	121.4	99.0	83.2	74.4	70.4	74.4
100°	112.4	115.0	123.1	124.4	157.8	189.9	173.9	153.8	147.1	143.1	147.1
102.5°	145.5	147.1	159.4	165.1	172.8	191.0	246.6	240.5	235.9	235.1	235.9
105°	195.3	196.6	219.4	230.1	235.4	235.4	234.1	260.8	303.6	313.0	303.6
107.5°	248.5	254.7	281.4	310.0	316.2	317.8	310.8	306.8	305.2	306.3	305.2
110°	284.9	294.3	326.4	362.5	371.8	374.5	371.8	367.8	365.1	365.1	365.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	320.2	333.9	370.2	411.7	427.5	435.5	429.6	426.7	424.0	426.1	424.0
115°	374.5	394.6	442.7	485.5	517.6	521.6	520.3	520.3	519.0	519.0	519.0
117.5°	424.8	456.9	510.9	560.7	597.9	608.6	613.9	612.3	610.7	613.4	610.7
120°	460.1	497.6	559.1	615.3	651.4	667.4	672.8	670.1	672.8	670.1	672.8
122.5°	497.6	543.6	604.0	662.4	704.9	723.1	729.5	730.0	730.6	729.0	730.6
125°	553.7	609.9	680.8	741.0	785.1	806.5	811.9	813.2	815.9	822.6	815.9
127.5°	610.5	674.1	752.0	810.0	855.2	881.2	889.5	892.4	898.0	901.0	898.0
130°	650.0	722.3	801.2	856.0	900.2	928.3	943.0	947.0	953.7	952.3	953.7
132.5°	691.8	767.2	847.2	904.2	945.1	975.3	987.9	999.4	1001.8	1003.7	1001.8
135°	753.0	834.6	914.9	971.1	1009.8	1039.3	1055.3	1066.0	1072.7	1076.7	1072.7
137.5°	817.5	903.6	980.7	1030.7	1069.8	1095.2	1113.4	1124.6	1131.6	1134.8	1131.6
140°	861.4	944.3	1019.2	1071.4	1106.1	1131.6	1147.6	1161.0	1169.0	1169.0	1169.0
142.5°	903.1	985.0	1057.7	1109.9	1140.4	1163.7	1180.8	1190.9	1200.0	1200.0	1200.0
145°	961.7	1043.3	1110.2	1162.3	1187.7	1209.1	1227.9	1235.9	1241.2	1241.2	1241.2
147.5°	1023.0	1095.2	1156.2	1206.2	1227.6	1252.7	1267.5	1273.9	1280.6	1277.6	1280.6
150°	1059.3	1126.2	1185.1	1231.9	1253.3	1277.4	1292.1	1297.4	1304.1	1300.1	1304.1
152.5°	1094.6	1158.3	1211.8	1255.4	1273.6	1297.7	1314.5	1319.9	1324.4	1321.5	1324.4
155°	1142.3	1198.4	1247.9	1288.1	1304.1	1326.8	1342.9	1349.6	1354.9	1348.2	1354.9
157.5°	1184.8	1233.2	1276.3	1313.2	1330.3	1349.9	1364.8	1373.1	1378.5	1375.5	1378.5
160°	1210.5	1254.6	1293.4	1328.2	1344.2	1361.6	1377.7	1387.0	1392.4	1388.4	1392.4
162.5°	1231.9	1271.7	1308.4	1340.0	1353.9	1369.1	1388.4	1396.7	1402.0	1396.9	1402.0
165°	1262.6	1294.7	1326.8	1353.6	1365.6	1377.7	1397.7	1407.1	1411.1	1405.8	1411.1
167.5°	1285.9	1310.5	1336.5	1359.5	1368.3	1380.1	1400.1	1407.9	1413.0	1406.3	1413.0
170°	1298.8	1320.2	1342.9	1361.6	1368.3	1379.0	1399.1	1405.8	1409.8	1403.1	1409.8
172.5°	1309.5	1325.5	1344.0	1360.6	1364.0	1372.6	1391.6	1398.3	1401.2	1395.6	1401.2
175°	1320.2	1329.5	1342.9	1353.6	1352.3	1357.6	1373.7	1379.0	1384.4	1376.3	1384.4
177.5°	1325.2	1329.5	1333.8	1340.2	1335.9	1335.9	1347.7	1350.9	1352.0	1347.7	1352.0
180°	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1516.2	1516.2	1516.2	1516.2	1516.2	1516.2	1516.2	1516.2	1516.2	1516.2	1516.2
2.5°	1479.0	1483.8	1490.0	1501.0	1516.9	1527.1	1519.9	1512.7	1519.9	1527.1	1516.9
5°	1383.1	1398.3	1418.2	1448.0	1487.8	1517.8	1518.4	1519.0	1518.4	1517.8	1487.8
7.5°	1291.1	1307.8	1329.8	1364.3	1411.3	1451.6	1471.5	1491.3	1471.5	1451.6	1411.3
10°	1240.6	1255.5	1275.4	1310.7	1361.3	1406.8	1437.0	1467.1	1437.0	1406.8	1361.3
12.5°	1207.9	1218.2	1233.0	1265.7	1316.3	1366.2	1413.8	1461.3	1413.8	1366.2	1316.3
15°	1178.9	1180.0	1183.9	1207.6	1251.2	1301.8	1373.7	1445.5	1373.7	1301.8	1251.2
17.5°	1163.9	1155.7	1147.5	1160.2	1193.8	1238.3	1315.6	1393.0	1315.6	1238.3	1193.8
20°	1154.5	1141.1	1125.7	1132.7	1162.2	1203.4	1279.7	1356.0	1279.7	1203.4	1162.2
22.5°	1138.6	1124.9	1108.0	1110.9	1133.8	1170.2	1247.5	1324.9	1247.5	1170.2	1133.8
25°	1106.0	1095.4	1080.7	1076.5	1082.9	1109.5	1196.7	1283.9	1196.7	1109.5	1082.9
27.5°	1067.5	1060.5	1051.5	1043.2	1035.7	1052.8	1143.8	1234.8	1143.8	1052.8	1035.7
30°	1045.1	1036.3	1027.3	1016.7	1004.5	1018.1	1109.2	1200.2	1109.2	1018.1	1004.5
32.5°	1048.9	1028.2	1006.9	987.1	968.7	978.5	1072.6	1166.8	1072.6	978.5	968.7
35°	1051.5	1009.3	974.1	945.2	922.8	930.5	1028.6	1126.7	1028.6	930.5	922.8
37.5°	989.7	961.9	931.5	901.1	870.7	874.2	979.4	1084.5	979.4	874.2	870.7
40°	965.1	947.3	908.2	870.4	833.8	834.0	944.2	1054.5	944.2	834.0	833.8
42.5°	942.1	923.4	872.5	830.9	798.4	801.7	911.9	1022.2	911.9	801.7	798.4
45°	805.4	809.3	795.8	772.7	740.0	744.2	859.0	973.7	859.0	744.2	740.0
47.5°	676.6	704.7	734.8	732.2	697.0	697.9	807.2	916.6	807.2	697.9	697.0
50°	619.7	659.3	707.3	711.2	670.8	666.3	769.5	872.8	769.5	666.3	670.8
52.5°	572.4	622.7	686.7	694.4	645.8	633.9	732.0	830.1	732.0	633.9	645.8
55°	510.2	576.6	664.4	674.6	607.3	580.4	674.6	768.9	674.6	580.4	607.3
57.5°	455.8	512.1	588.3	599.1	544.4	525.7	614.9	704.0	614.9	525.7	544.4
60°	421.7	462.1	514.7	524.9	492.9	490.5	577.0	663.6	577.0	490.5	492.9
62.5°	380.2	407.9	443.5	455.6	444.0	456.0	538.4	620.9	538.4	456.0	444.0
65°	304.4	326.5	356.0	373.3	378.4	401.0	476.1	551.1	476.1	401.0	378.4
67.5°	246.0	266.7	289.1	306.3	318.2	343.5	408.9	474.3	408.9	343.5	318.2
70°	196.5	217.8	242.8	263.4	279.4	305.8	363.5	421.2	363.5	305.8	279.4
72.5°	160.4	178.6	199.0	219.0	238.6	265.7	315.2	364.7	315.2	265.7	238.6
75°	103.5	117.8	136.4	156.6	178.4	204.7	244.4	284.2	244.4	204.7	178.4
77.5°	77.1	84.1	93.4	107.5	126.2	147.5	176.4	205.4	176.4	147.5	126.2
80°	62.2	62.5	63.2	73.1	92.3	112.2	134.0	155.8	134.0	112.2	92.3
82.5°	49.4	48.7	47.8	53.1	64.6	77.3	93.5	109.6	93.5	77.3	64.6
85°	22.9	25.0	27.6	29.5	30.8	33.7	41.4	49.0	41.4	33.7	30.8
87.5°	11.4	11.1	11.1	11.6	12.4	12.6	11.7	11.2	11.7	12.3	12.9
90°	28.1	26.8	26.8	25.4	21.4	16.1	9.4	4.0	9.4	14.7	24.1
92.5°	33.4	33.2	31.0	28.6	23.5	23.5	23.3	14.7	25.4	36.1	51.9
95°	30.8	30.8	36.1	45.5	66.9	68.2	45.5	41.5	58.9	82.9	104.3
97.5°	83.2	99.0	121.4	125.7	119.0	88.8	85.1	79.2	107.8	131.6	166.1
100°	153.8	173.9	189.9	157.8	124.4	123.1	115.0	112.4	143.1	165.9	199.3
102.5°	240.5	246.6	191.0	172.8	165.1	159.4	147.1	145.5	176.3	207.6	235.7
105°	260.8	234.1	235.4	235.4	230.1	219.4	196.6	195.3	230.1	266.2	300.9
107.5°	306.8	310.8	317.8	316.2	310.0	281.4	254.7	248.5	279.8	323.2	361.4
110°	367.8	371.8	374.5	371.8	362.5	326.4	294.3	284.9	313.0	358.5	399.9



TEST NUMBER: P1427925

CATALOG NUMBER: SQ2W-PH1-K-100U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	426.7	429.6	435.5	427.5	411.7	370.2	333.9	320.2	348.3	394.8	437.4
115°	520.3	520.3	521.6	517.6	485.5	442.7	394.6	374.5	398.6	441.4	488.2
117.5°	612.3	613.9	608.6	597.9	560.7	510.9	456.9	424.8	443.8	489.0	537.2
120°	670.1	672.8	667.4	651.4	615.3	559.1	497.6	460.1	474.8	519.0	567.1
122.5°	730.0	729.5	723.1	704.9	662.4	604.0	543.6	497.6	503.7	544.6	591.7
125°	813.2	811.9	806.5	785.1	741.0	680.8	609.9	553.7	545.7	580.5	628.6
127.5°	892.4	889.5	881.2	855.2	810.0	752.0	674.1	610.5	592.5	614.5	658.6
130°	947.0	943.0	928.3	900.2	856.0	801.2	722.3	650.0	624.6	638.0	676.8
132.5°	999.4	987.9	975.3	945.1	904.2	847.2	767.2	691.8	656.7	662.6	692.8
135°	1066.0	1055.3	1039.3	1009.8	971.1	914.9	834.6	753.0	704.9	699.5	716.9
137.5°	1124.6	1113.4	1095.2	1069.8	1030.7	980.7	903.6	817.5	756.8	738.9	745.5
140°	1161.0	1147.6	1131.6	1106.1	1071.4	1019.2	944.3	861.4	793.2	767.8	763.7
142.5°	1190.9	1180.8	1163.7	1140.4	1109.9	1057.7	985.0	903.1	830.6	797.7	788.3
145°	1235.9	1227.9	1209.1	1187.7	1162.3	1110.2	1043.3	961.7	889.5	846.7	826.6
147.5°	1273.9	1267.5	1252.7	1227.6	1206.2	1156.2	1095.2	1023.0	948.9	895.9	869.9
150°	1297.4	1292.1	1277.4	1253.3	1231.9	1185.1	1126.2	1059.3	988.4	932.3	898.8
152.5°	1319.9	1314.5	1297.7	1273.6	1255.4	1211.8	1158.3	1094.6	1022.7	966.5	932.0
155°	1349.6	1342.9	1326.8	1304.1	1288.1	1247.9	1198.4	1142.3	1080.7	1021.9	983.1
157.5°	1373.1	1364.8	1349.9	1330.3	1313.2	1276.3	1233.2	1184.8	1131.0	1074.9	1035.3
160°	1387.0	1377.7	1361.6	1344.2	1328.2	1293.4	1254.6	1210.5	1161.0	1110.2	1067.4
162.5°	1396.7	1388.4	1369.1	1353.9	1340.0	1308.4	1271.7	1231.9	1187.7	1143.3	1103.7
165°	1407.1	1397.7	1377.7	1365.6	1353.6	1326.8	1294.7	1262.6	1225.2	1189.1	1157.0
167.5°	1407.9	1400.1	1380.1	1368.3	1359.5	1336.5	1310.5	1285.9	1256.8	1228.4	1201.7
170°	1405.8	1399.1	1379.0	1368.3	1361.6	1342.9	1320.2	1298.8	1276.0	1251.9	1230.5
172.5°	1398.3	1391.6	1372.6	1364.0	1360.6	1344.0	1325.5	1309.5	1289.9	1272.3	1255.2
175°	1379.0	1373.7	1357.6	1352.3	1353.6	1342.9	1329.5	1320.2	1308.1	1297.4	1288.1
177.5°	1350.9	1347.7	1335.9	1335.9	1340.2	1333.8	1329.5	1325.2	1319.9	1316.7	1313.5
180°	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2



TEST NUMBER: P1427925

CATALOG NUMBER: SQ2W-PH1-K-100U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1516.2	1516.2	1516.2	1516.2	1516.2	1516.2	1516.2	1516.2	1516.2	1516.2	1516.2
2.5°	1501.0	1490.0	1483.8	1479.0	1477.9	1476.9	1477.9	1479.0	1483.8	1490.0	1501.0
5°	1448.0	1418.2	1398.3	1383.1	1381.8	1380.5	1381.8	1383.1	1398.3	1418.2	1448.0
7.5°	1364.3	1329.8	1307.8	1291.1	1290.1	1289.1	1290.1	1291.1	1307.8	1329.8	1364.3
10°	1310.7	1275.4	1255.5	1240.6	1240.6	1240.6	1240.6	1240.6	1255.5	1275.4	1310.7
12.5°	1265.7	1233.0	1218.2	1207.9	1211.0	1214.1	1211.0	1207.9	1218.2	1233.0	1265.7
15°	1207.6	1183.9	1180.0	1178.9	1186.0	1193.0	1186.0	1178.9	1180.0	1183.9	1207.6
17.5°	1160.2	1147.5	1155.7	1163.9	1172.1	1180.3	1172.1	1163.9	1155.7	1147.5	1160.2
20°	1132.7	1125.7	1141.1	1154.5	1162.2	1169.9	1162.2	1154.5	1141.1	1125.7	1132.7
22.5°	1110.9	1108.0	1124.9	1138.6	1142.7	1146.9	1142.7	1138.6	1124.9	1108.0	1110.9
25°	1076.5	1080.7	1095.4	1106.0	1104.1	1102.1	1104.1	1106.0	1095.4	1080.7	1076.5
27.5°	1043.2	1051.5	1060.5	1067.5	1068.7	1069.8	1068.7	1067.5	1060.5	1051.5	1043.2
30°	1016.7	1027.3	1036.3	1045.1	1053.4	1061.7	1053.4	1045.1	1036.3	1027.3	1016.7
32.5°	987.1	1006.9	1028.2	1048.9	1068.0	1087.1	1068.0	1048.9	1028.2	1006.9	987.1
35°	945.2	974.1	1009.3	1051.5	1114.3	1177.1	1114.3	1051.5	1009.3	974.1	945.2
37.5°	901.1	931.5	961.9	989.7	1009.7	1029.7	1009.7	989.7	961.9	931.5	901.1
40°	870.4	908.2	947.3	965.1	918.9	872.8	918.9	965.1	947.3	908.2	870.4
42.5°	830.9	872.5	923.4	942.1	864.2	786.2	864.2	942.1	923.4	872.5	830.9
45°	772.7	795.8	809.3	805.4	749.7	693.9	749.7	805.4	809.3	795.8	772.7
47.5°	732.2	734.8	704.7	676.6	654.8	633.0	654.8	704.7	734.8	732.2	732.2
50°	711.2	707.3	659.3	619.7	605.6	591.5	605.6	619.7	659.3	707.3	711.2
52.5°	694.4	686.7	622.7	572.4	562.9	553.4	562.9	622.7	686.7	694.4	694.4
55°	674.6	664.4	576.6	510.2	508.3	506.3	508.3	510.2	576.6	664.4	674.6
57.5°	599.1	588.3	512.1	455.8	459.2	462.5	459.2	512.1	588.3	599.1	599.1
60°	524.9	514.7	462.1	421.7	417.9	414.0	417.9	462.1	514.7	524.9	524.9
62.5°	455.6	443.5	407.9	380.2	376.3	372.5	376.3	407.9	443.5	455.6	455.6
65°	373.3	356.0	326.5	304.4	304.4	304.4	304.4	326.5	356.0	373.3	373.3
67.5°	306.3	289.1	266.7	246.0	230.6	215.2	230.6	266.7	289.1	306.3	306.3
70°	263.4	242.8	217.8	196.5	186.3	176.0	186.3	217.8	242.8	263.4	263.4
72.5°	219.0	199.0	178.6	160.4	148.6	136.8	148.6	178.6	199.0	219.0	219.0
75°	156.6	136.4	117.8	103.5	102.3	101.0	102.3	117.8	136.4	156.6	156.6
77.5°	107.5	93.4	84.1	77.1	77.2	77.3	77.2	84.1	93.4	107.5	107.5
80°	73.1	63.2	62.5	62.2	62.8	63.5	62.8	62.2	62.5	63.2	73.1
82.5°	53.1	47.8	48.7	49.4	49.5	49.6	49.5	47.8	47.8	53.1	53.1
85°	29.5	27.6	25.0	22.9	22.3	21.6	22.3	25.0	27.6	29.5	29.5
87.5°	12.7	13.8	15.7	16.7	17.8	17.3	17.8	15.7	13.8	12.7	12.7
90°	30.8	40.1	49.5	54.8	60.2	57.5	60.2	49.5	40.1	30.8	30.8
92.5°	61.8	77.6	89.1	98.7	103.0	102.5	103.0	89.1	77.6	61.8	61.8
95°	124.4	143.1	161.8	175.2	183.2	180.6	183.2	161.8	143.1	124.4	124.4
97.5°	191.8	216.9	237.8	250.4	258.4	263.8	258.4	237.8	216.9	191.8	191.8
100°	236.7	260.8	284.9	299.6	313.0	318.3	313.0	284.9	260.8	236.7	236.7
102.5°	273.1	304.7	330.9	346.7	357.9	363.3	357.9	330.9	304.7	273.1	273.1
105°	333.0	366.5	394.6	414.6	426.7	430.7	426.7	394.6	366.5	333.0	333.0
107.5°	393.0	427.5	453.4	475.6	490.3	498.9	490.3	453.4	427.5	393.0	393.0
110°	440.1	468.1	496.2	516.3	531.0	536.4	531.0	496.2	468.1	440.1	440.1



TEST NUMBER: P1427925

CATALOG NUMBER: SQ2W-PH1-K-100U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	479.6	510.9	539.0	559.1	575.9	583.4	575.9	559.1	539.0	510.9	479.6
115°	535.0	576.5	601.9	620.6	632.7	639.3	632.7	620.6	601.9	576.5	535.0
117.5°	581.0	624.4	652.2	666.6	672.3	677.1	672.3	666.6	652.2	624.4	581.0
120°	609.9	650.0	682.1	700.9	707.6	710.2	707.6	700.9	682.1	650.0	609.9
122.5°	636.7	674.7	705.7	728.7	739.7	742.3	739.7	728.7	705.7	674.7	636.7
125°	674.1	710.2	742.3	765.1	777.1	783.8	777.1	765.1	742.3	710.2	674.1
127.5°	706.8	745.8	775.2	795.8	807.6	813.0	807.6	795.8	775.2	745.8	706.8
130°	724.9	765.1	794.5	817.2	827.9	833.3	827.9	817.2	794.5	765.1	724.9
132.5°	738.9	781.1	811.6	832.2	844.0	849.3	844.0	832.2	811.6	781.1	738.9
135°	755.7	799.9	832.0	852.0	862.7	868.1	862.7	852.0	832.0	799.9	755.7
137.5°	770.4	810.6	844.0	865.1	874.8	878.2	874.8	865.1	844.0	810.6	770.4
140°	781.1	815.9	849.3	869.4	880.1	881.4	880.1	869.4	849.3	815.9	781.1
142.5°	795.0	822.3	851.5	871.5	882.2	884.7	882.2	871.5	851.5	822.3	795.0
145°	819.9	836.0	856.0	874.8	884.1	886.8	884.1	874.8	856.0	836.0	819.9
147.5°	851.2	856.3	866.7	879.0	888.1	890.0	888.1	879.0	866.7	856.3	851.2
150°	874.8	873.4	877.4	885.5	893.5	892.1	893.5	885.5	877.4	873.4	874.8
152.5°	901.5	893.7	893.5	897.2	901.0	900.7	901.0	897.2	893.5	893.7	901.5
155°	947.0	932.3	924.2	921.6	921.6	920.2	921.6	921.6	924.2	932.3	947.0
157.5°	997.0	976.4	964.4	957.9	956.1	953.1	956.1	957.9	964.4	976.4	997.0
160°	1031.2	1008.5	996.5	985.8	981.8	977.7	981.8	985.8	996.5	1008.5	1031.2
162.5°	1063.3	1041.7	1028.6	1018.9	1014.9	1008.8	1014.9	1018.9	1028.6	1041.7	1063.3
165°	1115.5	1092.8	1078.1	1070.0	1064.7	1059.3	1064.7	1070.0	1078.1	1092.8	1115.5
167.5°	1167.7	1142.8	1133.2	1124.1	1119.0	1109.4	1119.0	1124.1	1133.2	1142.8	1167.7
170°	1199.8	1177.0	1171.7	1163.7	1154.3	1143.6	1154.3	1163.7	1171.7	1177.0	1199.8
172.5°	1227.6	1212.4	1207.0	1199.0	1196.0	1187.5	1196.0	1199.0	1207.0	1212.4	1227.6
175°	1268.0	1256.0	1256.0	1254.6	1250.6	1242.6	1250.6	1254.6	1256.0	1256.0	1268.0
177.5°	1301.7	1295.3	1299.6	1299.6	1298.5	1291.0	1298.5	1299.6	1299.6	1295.3	1301.7
180°	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2



TEST NUMBER: P1427925

CATALOG NUMBER: SQ2W-PH1-K-100U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1516.2	1516.2	1516.2	1516.2
2.5°	1516.9	1527.1	1519.9	1512.7
5°	1487.8	1517.8	1518.4	1519.0
7.5°	1411.3	1451.6	1471.5	1491.3
10°	1361.3	1406.8	1437.0	1467.1
12.5°	1316.3	1366.2	1413.8	1461.3
15°	1251.2	1301.8	1373.7	1445.5
17.5°	1193.8	1238.3	1315.6	1393.0
20°	1162.2	1203.4	1279.7	1356.0
22.5°	1133.8	1170.2	1247.5	1324.9
25°	1082.9	1109.5	1196.7	1283.9
27.5°	1035.7	1052.8	1143.8	1234.8
30°	1004.5	1018.1	1109.2	1200.2
32.5°	968.7	978.5	1072.6	1166.8
35°	922.8	930.5	1028.6	1126.7
37.5°	870.7	874.2	979.4	1084.5
40°	833.8	834.0	944.2	1054.5
42.5°	798.4	801.7	911.9	1022.2
45°	740.0	744.2	859.0	973.7
47.5°	697.0	697.9	807.2	916.6
50°	670.8	666.3	769.5	872.8
52.5°	645.8	633.9	732.0	830.1
55°	607.3	580.4	674.6	768.9
57.5°	544.4	525.7	614.9	704.0
60°	492.9	490.5	577.0	663.6
62.5°	444.0	456.0	538.4	620.9
65°	378.4	401.0	476.1	551.1
67.5°	318.2	343.5	408.9	474.3
70°	279.4	305.8	363.5	421.2
72.5°	238.6	265.7	315.2	364.7
75°	178.4	204.7	244.4	284.2
77.5°	126.2	147.5	176.4	205.4
80°	92.3	112.2	134.0	155.8
82.5°	64.6	77.3	93.5	109.6
85°	30.8	33.7	41.4	49.0
87.5°	12.9	12.3	11.7	11.2
90°	24.1	14.7	9.4	4.0
92.5°	51.9	36.1	25.4	14.7
95°	104.3	82.9	58.9	41.5
97.5°	166.1	131.6	107.8	79.2
100°	199.3	165.9	143.1	112.4
102.5°	235.7	207.6	176.3	145.5
105°	300.9	266.2	230.1	195.3
107.5°	361.4	323.2	279.8	248.5
110°	399.9	358.5	313.0	284.9



TEST NUMBER: P1427925

CATALOG NUMBER: SQ2W-PH1-K-100U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	437.4	394.8	348.3	320.2
115°	488.2	441.4	398.6	374.5
117.5°	537.2	489.0	443.8	424.8
120°	567.1	519.0	474.8	460.1
122.5°	591.7	544.6	503.7	497.6
125°	628.6	580.5	545.7	553.7
127.5°	658.6	614.5	592.5	610.5
130°	676.8	638.0	624.6	650.0
132.5°	692.8	662.6	656.7	691.8
135°	716.9	699.5	704.9	753.0
137.5°	745.5	738.9	756.8	817.5
140°	763.7	767.8	793.2	861.4
142.5°	788.3	797.7	830.6	903.1
145°	826.6	846.7	889.5	961.7
147.5°	869.9	895.9	948.9	1023.0
150°	898.8	932.3	988.4	1059.3
152.5°	932.0	966.5	1022.7	1094.6
155°	983.1	1021.9	1080.7	1142.3
157.5°	1035.3	1074.9	1131.0	1184.8
160°	1067.4	1110.2	1161.0	1210.5
162.5°	1103.7	1143.3	1187.7	1231.9
165°	1157.0	1189.1	1225.2	1262.6
167.5°	1201.7	1228.4	1256.8	1285.9
170°	1230.5	1251.9	1276.0	1298.8
172.5°	1255.2	1272.3	1289.9	1309.5
175°	1288.1	1297.4	1308.1	1320.2
177.5°	1313.5	1316.7	1319.9	1325.2
180°	1324.2	1324.2	1324.2	1324.2



TEST NUMBER: P1427925
 CATALOG NUMBER: SQ2W-PH1-K-100U-075D-L935-UNV-STD-W-WM-4

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	17.65	18.47	18.64	19.47	20.79	16.48	17.30	17.47	18.30	19.62
	3H	19.82	20.56	20.82	21.57	22.91	17.53	18.26	18.52	19.27	20.61
	4H	20.63	21.33	21.64	22.34	23.69	17.77	18.47	18.78	19.48	20.83
	6H	21.10	21.74	22.12	22.76	24.12	17.91	18.55	18.93	19.57	20.93
	8H	21.25	21.86	22.28	22.89	24.25	17.96	18.58	18.99	19.61	20.97
	12H	21.31	21.89	22.34	22.91	24.30	17.97	18.56	19.01	19.58	20.97
4H	2H	18.08	18.78	19.10	19.79	21.14	17.16	17.86	18.18	18.87	20.22
	3H	20.33	20.91	21.36	21.95	23.31	18.38	18.96	19.41	20.00	21.37
	4H	21.20	21.73	22.23	22.76	24.15	18.67	19.20	19.71	20.24	21.62
	6H	21.76	22.21	22.80	23.27	24.65	18.87	19.33	19.92	20.38	21.76
	8H	21.96	22.38	23.00	23.43	24.83	18.96	19.38	20.00	20.43	21.83
	12H	22.04	22.43	23.10	23.49	24.89	18.98	19.37	20.04	20.43	21.83
8H	4H	21.22	21.65	22.27	22.69	24.09	18.90	19.33	19.95	20.37	21.77
	6H	21.85	22.20	22.92	23.29	24.68	19.17	19.52	20.24	20.61	22.00
	8H	22.11	22.42	23.19	23.49	24.91	19.31	19.62	20.39	20.70	22.11
	12H	22.24	22.51	23.32	23.58	25.04	19.37	19.65	20.46	20.72	22.17
12H	4H	21.17	21.55	22.23	22.62	24.02	18.89	19.28	19.96	20.34	21.74
	6H	21.82	22.13	22.90	23.21	24.62	19.20	19.51	20.28	20.58	22.00
	8H	22.09	22.36	23.17	23.43	24.89	19.36	19.63	20.44	20.70	22.16