

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: P1427930

Luminaire Tested: SQ2W-PH1-K-100U-100D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427930
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-100D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE HEX LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

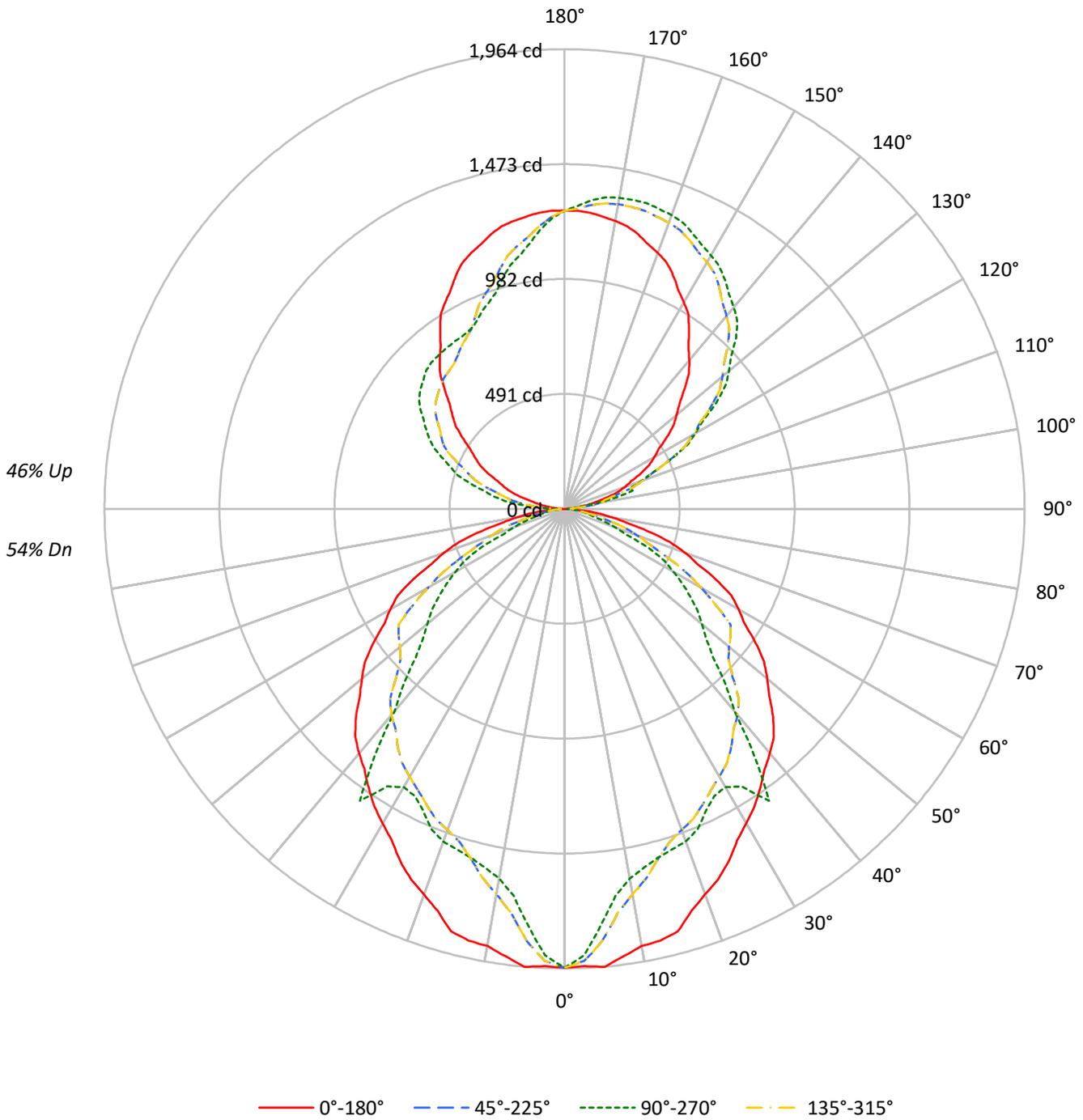
Lumens per Lamp: N/A
Luminaire Lumens: 8058.9 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.02 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 70.7
Input Voltage (V): 120
Input Current (A_{in}): 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	108	108	108	108	100	100	100	100	85	85	85	72	72	72	60	60	60	54				
1	99	95	91	87	92	88	85	82	75	73	71	64	62	60	53	52	51	46				
2	90	83	77	72	83	77	72	67	66	62	59	56	53	51	47	45	43	39				
3	82	73	66	60	76	68	61	56	58	54	50	50	46	43	42	39	37	33				
4	75	65	57	51	70	60	53	48	52	47	42	44	40	37	37	34	32	28				
5	69	58	49	43	64	54	47	41	47	41	37	40	36	32	34	30	28	25				
6	64	52	44	38	59	48	41	36	42	36	32	36	32	28	31	27	24	22				
7	59	47	39	33	55	44	37	31	38	32	28	33	28	25	28	24	22	19				
8	55	42	35	29	51	40	33	28	35	29	25	30	26	22	26	22	19	17				
9	51	39	31	26	47	36	30	25	32	26	22	28	23	20	24	20	18	15				
10	48	36	28	24	44	33	27	22	29	24	20	26	21	18	22	19	16	14				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	31655	31655	31655	31655
5°	31836	28935	31836	28935
10°	31104	26302	31104	26302
15°	31244	25786	31244	25786
20°	30128	25994	30128	25994
25°	29578	25389	29578	25389
30°	28936	25597	28936	25597
35°	28716	30003	28716	30003
40°	28742	23787	28742	23787
45°	28752	20488	28752	20488
50°	28348	19210	28348	19210
55°	27988	18432	27988	18432
60°	27709	17289	27709	17289
65°	27224	15037	27224	15037
70°	25713	10744	25713	10744
75°	22925	8147	22925	8147
80°	18735	7634	18735	7634
85°	11745	5187	11745	5187

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 28752 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.5	2.1
10°-20°	453.8	5.6
20°-30°	665.3	8.3
30°-40°	805.6	10.0
40°-50°	792.2	9.8
50°-60°	689.1	8.6
60°-70°	479.2	5.9
70°-80°	227.3	2.8
80°-90°	55.4	0.7
90°-100°	101.4	1.3
100°-110°	295.6	3.7
110°-120°	482.4	6.0
120°-130°	612.1	7.6
130°-140°	655.0	8.1
140°-150°	611.6	7.6
150°-160°	503.3	6.2
160°-170°	337.5	4.2
170°-180°	119.8	1.5
0°-30°	1291.6	16.0
0°-40°	2097.2	26.0
0°-60°	3578.4	44.4
0°-90°	4340.3	53.9
90°-120°	879.3	10.9
90°-150°	2758.0	34.2
90°-180°	3719.0	46.1
0°-180°	8058.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1961	1961	1961	1961	1961	
5°	1964	1785	1964	1785	1964	185
15°	1869	1543	1869	1543	1869	521
25°	1660	1425	1660	1425	1660	764
35°	1457	1522	1457	1522	1457	913
45°	1259	897	1259	897	1259	968
55°	994	655	994	655	994	888
65°	713	394	713	394	713	700
75°	368	131	368	131	368	389
85°	63	28	63	28	63	85
90°	4	28	4	55	4	5
95°	40	30	40	174	40	48
105°	188	301	188	414	188	200
115°	360	499	360	615	360	355
125°	533	791	533	754	533	477
135°	724	1036	724	835	724	560
145°	925	1194	925	853	925	579
155°	1099	1297	1099	885	1099	505
165°	1214	1352	1214	1019	1214	342
175°	1270	1324	1270	1195	1270	120
180°	1274	1274	1274	1274	1274	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1960.6	1960.6	1960.6	1960.6	1960.6	1960.6	1960.6	1960.6	1960.6	1960.6	1960.6
2.5°	1956.1	1965.4	1974.7	1961.6	1941.0	1926.8	1918.8	1912.5	1911.2	1909.9	1911.2
5°	1964.3	1963.5	1962.7	1923.9	1872.5	1834.0	1808.3	1788.6	1786.9	1785.3	1786.9
7.5°	1928.5	1902.8	1877.1	1825.1	1764.2	1719.6	1691.2	1669.6	1668.3	1667.0	1668.3
10°	1897.2	1858.2	1819.2	1760.4	1694.9	1649.3	1623.6	1604.3	1604.3	1604.3	1604.3
12.5°	1889.7	1828.2	1766.7	1702.2	1636.7	1594.4	1575.3	1562.0	1566.0	1570.0	1566.0
15°	1869.2	1776.3	1683.5	1618.0	1561.6	1530.9	1526.0	1524.5	1533.6	1542.7	1533.6
17.5°	1801.3	1701.3	1601.3	1543.7	1500.3	1483.9	1494.5	1505.1	1515.7	1526.3	1515.7
20°	1753.5	1654.9	1556.2	1502.9	1464.8	1455.7	1475.6	1493.0	1502.9	1512.9	1502.9
22.5°	1713.2	1613.3	1513.3	1466.1	1436.6	1432.8	1454.7	1472.4	1477.7	1483.0	1477.7
25°	1660.3	1547.5	1434.8	1400.3	1392.1	1397.4	1416.5	1430.2	1427.7	1425.2	1427.7
27.5°	1596.8	1479.1	1361.4	1339.3	1349.1	1359.8	1371.4	1380.4	1381.9	1383.4	1381.9
30°	1552.1	1434.3	1316.6	1299.0	1314.7	1328.4	1340.0	1351.4	1362.2	1373.0	1362.2
32.5°	1508.8	1387.1	1265.4	1252.7	1276.4	1302.1	1329.6	1356.4	1381.1	1405.8	1381.1
35°	1456.9	1330.1	1203.2	1193.3	1222.3	1259.6	1305.2	1359.7	1441.0	1522.2	1441.0
37.5°	1402.5	1266.5	1130.5	1126.0	1165.3	1204.6	1243.9	1279.8	1305.7	1331.6	1305.7
40°	1363.7	1221.1	1078.4	1078.2	1125.5	1174.4	1225.0	1248.0	1188.3	1128.6	1188.3
42.5°	1321.9	1179.3	1036.7	1032.5	1074.4	1128.3	1194.1	1218.3	1117.5	1016.7	1117.5
45°	1259.2	1110.8	962.4	957.0	999.3	1029.1	1046.5	1041.6	969.4	897.3	969.4
47.5°	1185.3	1043.9	902.4	901.3	946.9	950.2	911.2	874.9	846.8	818.6	846.8
50°	1128.6	995.1	861.6	867.4	919.7	914.7	852.5	801.3	783.1	764.8	783.1
52.5°	1073.4	946.5	819.7	835.1	898.0	888.0	805.3	740.1	727.9	715.6	727.9
55°	994.3	872.4	750.5	785.4	872.4	859.2	745.6	659.8	657.3	654.8	657.3
57.5°	910.3	795.1	679.9	704.0	774.7	760.7	662.2	589.4	593.8	598.1	593.8
60°	858.1	746.2	634.3	637.4	678.8	665.6	597.6	545.3	540.4	535.4	540.4
62.5°	802.9	696.3	589.7	574.2	589.1	573.5	527.4	491.6	486.6	481.7	486.6
65°	712.6	615.6	518.6	489.4	482.7	460.4	422.2	393.6	393.6	393.6	393.6
67.5°	613.4	528.8	444.2	411.5	396.1	373.9	344.9	318.1	298.2	278.3	298.2
70°	544.7	470.1	395.5	361.3	340.6	314.0	281.7	254.1	240.9	227.6	240.9
72.5°	471.6	407.6	343.6	308.5	283.2	257.3	230.9	207.4	192.1	176.8	192.1
75°	367.5	316.1	264.7	230.7	202.5	176.4	152.3	133.9	132.2	130.6	132.2
77.5°	265.6	228.2	190.7	163.2	139.0	120.8	108.7	99.7	99.8	100.0	99.8
80°	201.5	173.3	145.1	119.4	94.5	81.7	80.8	80.4	81.3	82.1	81.3
82.5°	141.8	120.9	100.0	83.6	68.6	61.8	62.9	63.8	64.0	64.2	64.0
85°	63.4	53.5	43.5	39.8	38.1	35.7	32.3	29.6	28.8	28.0	28.8
87.5°	14.2	14.6	15.2	14.6	13.3	12.6	12.6	12.9	13.1	13.1	13.1
90°	3.9	9.0	15.4	20.6	24.4	25.7	25.7	27.0	28.3	28.3	28.3
92.5°	14.2	22.4	22.6	22.6	27.5	29.8	31.9	32.2	33.4	33.4	33.4
95°	39.9	43.7	65.6	64.3	43.7	34.7	29.6	29.6	29.6	29.6	29.6
97.5°	76.2	81.8	85.4	114.5	120.9	116.8	95.2	80.0	71.5	67.7	71.5
100°	108.1	110.6	118.4	119.6	151.8	182.7	167.2	147.9	141.5	137.6	141.5
102.5°	140.0	141.5	153.3	158.7	166.2	183.7	237.2	231.3	226.9	226.2	226.9
105°	187.8	189.1	211.0	221.3	226.4	226.4	225.1	250.9	292.0	301.0	292.0
107.5°	239.0	244.9	270.7	298.2	304.1	305.7	299.0	295.1	293.6	294.6	293.6
110°	274.0	283.0	313.9	348.6	357.6	360.2	357.6	353.8	351.2	351.2	351.2



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CANDELA DISTRIBUTION (continued):

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



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1960.6	1960.6	1960.6	1960.6	1960.6	1960.6	1960.6	1960.6	1960.6	1960.6	1960.6
2.5°	1912.5	1918.8	1926.8	1941.0	1961.6	1974.7	1965.4	1956.1	1965.4	1974.7	1961.6
5°	1788.6	1808.3	1834.0	1872.5	1923.9	1962.7	1963.5	1964.3	1963.5	1962.7	1923.9
7.5°	1669.6	1691.2	1719.6	1764.2	1825.1	1877.1	1902.8	1928.5	1902.8	1877.1	1825.1
10°	1604.3	1623.6	1649.3	1694.9	1760.4	1819.2	1858.2	1897.2	1858.2	1819.2	1760.4
12.5°	1562.0	1575.3	1594.4	1636.7	1702.2	1766.7	1828.2	1889.7	1828.2	1766.7	1702.2
15°	1524.5	1526.0	1530.9	1561.6	1618.0	1683.5	1776.3	1869.2	1776.3	1683.5	1618.0
17.5°	1505.1	1494.5	1483.9	1500.3	1543.7	1601.3	1701.3	1801.3	1701.3	1601.3	1543.7
20°	1493.0	1475.6	1455.7	1464.8	1502.9	1556.2	1654.9	1753.5	1654.9	1556.2	1502.9
22.5°	1472.4	1454.7	1432.8	1436.6	1466.1	1513.3	1613.3	1713.2	1613.3	1513.3	1466.1
25°	1430.2	1416.5	1397.4	1392.1	1400.3	1434.8	1547.5	1660.3	1547.5	1434.8	1400.3
27.5°	1380.4	1371.4	1359.8	1349.1	1339.3	1361.4	1479.1	1596.8	1479.1	1361.4	1339.3
30°	1351.4	1340.0	1328.4	1314.7	1299.0	1316.6	1434.3	1552.1	1434.3	1316.6	1299.0
32.5°	1356.4	1329.6	1302.1	1276.4	1252.7	1265.4	1387.1	1508.8	1387.1	1265.4	1252.7
35°	1359.7	1305.2	1259.6	1222.3	1193.3	1203.2	1330.1	1456.9	1330.1	1203.2	1193.3
37.5°	1279.8	1243.9	1204.6	1165.3	1126.0	1130.5	1266.5	1402.5	1266.5	1130.5	1126.0
40°	1248.0	1225.0	1174.4	1125.5	1078.2	1078.4	1221.1	1363.7	1221.1	1078.4	1078.2
42.5°	1218.3	1194.1	1128.3	1074.4	1032.5	1036.7	1179.3	1321.9	1179.3	1036.7	1032.5
45°	1041.6	1046.5	1029.1	999.3	957.0	962.4	1110.8	1259.2	1110.8	962.4	957.0
47.5°	874.9	911.2	950.2	946.9	901.3	902.4	1043.9	1185.3	1043.9	902.4	901.3
50°	801.3	852.5	914.7	919.7	867.4	861.6	995.1	1128.6	995.1	861.6	867.4
52.5°	740.1	805.3	888.0	898.0	835.1	819.7	946.5	1073.4	946.5	819.7	835.1
55°	659.8	745.6	859.2	872.4	785.4	750.5	872.4	994.3	872.4	750.5	785.4
57.5°	589.4	662.2	760.7	774.7	704.0	679.9	795.1	910.3	795.1	679.9	704.0
60°	545.3	597.6	665.6	678.8	637.4	634.3	746.2	858.1	746.2	634.3	637.4
62.5°	491.6	527.4	573.5	589.1	574.2	589.7	696.3	802.9	696.3	589.7	574.2
65°	393.6	422.2	460.4	482.7	489.4	518.6	615.6	712.6	615.6	518.6	489.4
67.5°	318.1	344.9	373.9	396.1	411.5	444.2	528.8	613.4	528.8	444.2	411.5
70°	254.1	281.7	314.0	340.6	361.3	395.5	470.1	544.7	470.1	395.5	361.3
72.5°	207.4	230.9	257.3	283.2	308.5	343.6	407.6	471.6	407.6	343.6	308.5
75°	133.9	152.3	176.4	202.5	230.7	264.7	316.1	367.5	316.1	264.7	230.7
77.5°	99.7	108.7	120.8	139.0	163.2	190.7	228.2	265.6	228.2	190.7	163.2
80°	80.4	80.8	81.7	94.5	119.4	145.1	173.3	201.5	173.3	145.1	119.4
82.5°	63.8	62.9	61.8	68.6	83.6	100.0	120.9	141.8	120.9	100.0	83.6
85°	29.6	32.3	35.7	38.1	39.8	43.5	53.5	63.4	53.5	43.5	39.8
87.5°	12.9	12.6	12.6	13.3	14.6	15.2	14.6	14.2	14.6	14.9	15.1
90°	27.0	25.7	25.7	24.4	20.6	15.4	9.0	3.9	9.0	14.2	23.2
92.5°	32.2	31.9	29.8	27.5	22.6	22.6	22.4	14.2	24.4	34.7	49.9
95°	29.6	29.6	34.7	43.7	64.3	65.6	43.7	39.9	56.6	79.8	100.3
97.5°	80.0	95.2	116.8	120.9	114.5	85.4	81.8	76.2	103.7	126.6	159.8
100°	147.9	167.2	182.7	151.8	119.6	118.4	110.6	108.1	137.6	159.5	191.7
102.5°	231.3	237.2	183.7	166.2	158.7	153.3	141.5	140.0	169.6	199.7	226.7
105°	250.9	225.1	226.4	226.4	221.3	211.0	189.1	187.8	221.3	256.0	289.5
107.5°	295.1	299.0	305.7	304.1	298.2	270.7	244.9	239.0	269.1	310.8	347.6
110°	353.8	357.6	360.2	357.6	348.6	313.9	283.0	274.0	301.0	344.8	384.6



TEST NUMBER: P1427930

CATALOG NUMBER: SQ2W-PH1-K-100U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P1427930

CATALOG NUMBER: SQ2W-PH1-K-100U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1960.6	1960.6	1960.6	1960.6	1960.6	1960.6	1960.6	1960.6	1960.6	1960.6	1960.6
2.5°	1941.0	1926.8	1918.8	1912.5	1911.2	1909.9	1911.2	1912.5	1918.8	1926.8	1941.0
5°	1872.5	1834.0	1808.3	1788.6	1786.9	1785.3	1786.9	1788.6	1808.3	1834.0	1872.5
7.5°	1764.2	1719.6	1691.2	1669.6	1668.3	1667.0	1668.3	1669.6	1691.2	1719.6	1764.2
10°	1694.9	1649.3	1623.6	1604.3	1604.3	1604.3	1604.3	1604.3	1623.6	1649.3	1694.9
12.5°	1636.7	1594.4	1575.3	1562.0	1566.0	1570.0	1566.0	1562.0	1575.3	1594.4	1636.7
15°	1561.6	1530.9	1526.0	1524.5	1533.6	1542.7	1533.6	1524.5	1526.0	1530.9	1561.6
17.5°	1500.3	1483.9	1494.5	1505.1	1515.7	1526.3	1515.7	1505.1	1494.5	1483.9	1500.3
20°	1464.8	1455.7	1475.6	1493.0	1502.9	1512.9	1502.9	1493.0	1475.6	1455.7	1464.8
22.5°	1436.6	1432.8	1454.7	1472.4	1477.7	1483.0	1477.7	1472.4	1454.7	1432.8	1436.6
25°	1392.1	1397.4	1416.5	1430.2	1427.7	1425.2	1427.7	1430.2	1416.5	1397.4	1392.1
27.5°	1349.1	1359.8	1371.4	1380.4	1381.9	1383.4	1381.9	1380.4	1371.4	1359.8	1349.1
30°	1314.7	1328.4	1340.0	1351.4	1362.2	1373.0	1362.2	1351.4	1340.0	1328.4	1314.7
32.5°	1276.4	1302.1	1329.6	1356.4	1381.1	1405.8	1381.1	1356.4	1329.6	1302.1	1276.4
35°	1222.3	1259.6	1305.2	1359.7	1441.0	1522.2	1441.0	1359.7	1305.2	1259.6	1222.3
37.5°	1165.3	1204.6	1243.9	1279.8	1305.7	1331.6	1305.7	1279.8	1243.9	1204.6	1165.3
40°	1125.5	1174.4	1225.0	1248.0	1188.3	1128.6	1188.3	1248.0	1225.0	1174.4	1125.5
42.5°	1074.4	1128.3	1194.1	1218.3	1117.5	1016.7	1117.5	1218.3	1194.1	1128.3	1074.4
45°	999.3	1029.1	1046.5	1041.6	969.4	897.3	969.4	1041.6	1046.5	1029.1	999.3
47.5°	946.9	950.2	911.2	874.9	846.8	818.6	846.8	911.2	950.2	946.9	946.9
50°	919.7	914.7	852.5	801.3	783.1	764.8	783.1	801.3	852.5	914.7	919.7
52.5°	898.0	888.0	805.3	740.1	727.9	715.6	727.9	740.1	805.3	888.0	898.0
55°	872.4	859.2	745.6	659.8	657.3	654.8	657.3	659.8	745.6	859.2	872.4
57.5°	774.7	760.7	662.2	589.4	593.8	598.1	593.8	589.4	662.2	760.7	774.7
60°	678.8	665.6	597.6	545.3	540.4	535.4	540.4	545.3	597.6	665.6	678.8
62.5°	589.1	573.5	527.4	491.6	486.6	481.7	486.6	491.6	527.4	573.5	589.1
65°	482.7	460.4	422.2	393.6	393.6	393.6	393.6	422.2	460.4	482.7	482.7
67.5°	396.1	373.9	344.9	318.1	298.2	278.3	298.2	318.1	344.9	373.9	396.1
70°	340.6	314.0	281.7	254.1	240.9	227.6	240.9	254.1	281.7	314.0	340.6
72.5°	283.2	257.3	230.9	207.4	192.1	176.8	192.1	207.4	230.9	257.3	283.2
75°	202.5	176.4	152.3	133.9	132.2	130.6	132.2	133.9	152.3	176.4	202.5
77.5°	139.0	120.8	108.7	99.7	99.8	100.0	99.8	99.7	108.7	120.8	139.0
80°	94.5	81.7	80.8	80.4	81.3	82.1	81.3	80.4	80.8	81.7	94.5
82.5°	68.6	61.8	62.9	63.8	64.0	64.2	64.0	63.8	62.9	61.8	68.6
85°	38.1	35.7	32.3	29.6	28.8	28.0	28.8	29.6	32.3	35.7	38.1
87.5°	14.4	15.2	17.0	18.0	19.0	18.5	19.0	18.0	17.0	15.2	14.4
90°	29.6	38.6	47.6	52.7	57.9	55.3	57.9	52.7	47.6	38.6	29.6
92.5°	59.4	74.6	85.7	94.9	99.1	98.5	99.1	94.9	85.7	74.6	59.4
95°	119.6	137.6	155.7	168.5	176.2	173.7	176.2	168.5	155.7	137.6	119.6
97.5°	184.5	208.7	228.7	240.8	248.5	253.7	248.5	240.8	228.7	208.7	184.5
100°	227.7	250.9	274.0	288.2	301.0	306.2	301.0	288.2	274.0	250.9	227.7
102.5°	262.7	293.1	318.3	333.4	344.3	349.4	344.3	318.3	293.1	262.7	262.7
105°	320.3	352.5	379.5	398.8	410.4	414.2	410.4	379.5	352.5	320.3	320.3
107.5°	378.0	411.1	436.1	457.5	471.6	479.8	471.6	436.1	411.1	378.0	378.0
110°	423.2	450.3	477.3	496.6	510.7	515.9	510.7	477.3	450.3	423.2	423.2



TEST NUMBER: P1427930

CATALOG NUMBER: SQ2W-PH1-K-100U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P1427930

CATALOG NUMBER: SQ2W-PH1-K-100U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1960.6	1960.6	1960.6	1960.6
2.5°	1961.6	1974.7	1965.4	1956.1
5°	1923.9	1962.7	1963.5	1964.3
7.5°	1825.1	1877.1	1902.8	1928.5
10°	1760.4	1819.2	1858.2	1897.2
12.5°	1702.2	1766.7	1828.2	1889.7
15°	1618.0	1683.5	1776.3	1869.2
17.5°	1543.7	1601.3	1701.3	1801.3
20°	1502.9	1556.2	1654.9	1753.5
22.5°	1466.1	1513.3	1613.3	1713.2
25°	1400.3	1434.8	1547.5	1660.3
27.5°	1339.3	1361.4	1479.1	1596.8
30°	1299.0	1316.6	1434.3	1552.1
32.5°	1252.7	1265.4	1387.1	1508.8
35°	1193.3	1203.2	1330.1	1456.9
37.5°	1126.0	1130.5	1266.5	1402.5
40°	1078.2	1078.4	1221.1	1363.7
42.5°	1032.5	1036.7	1179.3	1321.9
45°	957.0	962.4	1110.8	1259.2
47.5°	901.3	902.4	1043.9	1185.3
50°	867.4	861.6	995.1	1128.6
52.5°	835.1	819.7	946.5	1073.4
55°	785.4	750.5	872.4	994.3
57.5°	704.0	679.9	795.1	910.3
60°	637.4	634.3	746.2	858.1
62.5°	574.2	589.7	696.3	802.9
65°	489.4	518.6	615.6	712.6
67.5°	411.5	444.2	528.8	613.4
70°	361.3	395.5	470.1	544.7
72.5°	308.5	343.6	407.6	471.6
75°	230.7	264.7	316.1	367.5
77.5°	163.2	190.7	228.2	265.6
80°	119.4	145.1	173.3	201.5
82.5°	83.6	100.0	120.9	141.8
85°	39.8	43.5	53.5	63.4
87.5°	15.1	14.9	14.6	14.2
90°	23.2	14.2	9.0	3.9
92.5°	49.9	34.7	24.4	14.2
95°	100.3	79.8	56.6	39.9
97.5°	159.8	126.6	103.7	76.2
100°	191.7	159.5	137.6	108.1
102.5°	226.7	199.7	169.6	140.0
105°	289.5	256.0	221.3	187.8
107.5°	347.6	310.8	269.1	239.0
110°	384.6	344.8	301.0	274.0



TEST NUMBER: P1427930

CATALOG NUMBER: SQ2W-PH1-K-100U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P1427930
 CATALOG NUMBER: SQ2W-PH1-K-100U-100D-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	19.23	20.12	20.15	21.06	22.28	18.06	18.95	18.98	19.89	21.10
	3H	21.41	22.20	22.34	23.15	24.39	19.11	19.91	20.05	20.86	22.10
	4H	22.22	22.97	23.17	23.93	25.18	19.36	20.11	20.31	21.06	22.31
	6H	22.69	23.38	23.65	24.34	25.61	19.50	20.19	20.46	21.15	22.41
	8H	22.84	23.50	23.81	24.48	25.74	19.56	20.22	20.53	21.20	22.45
	12H	22.90	23.53	23.88	24.50	25.79	19.57	20.20	20.55	21.17	22.45
4H	2H	19.67	20.42	20.63	21.38	22.63	18.74	19.50	19.70	20.45	21.70
	3H	21.92	22.55	22.89	23.53	24.80	19.98	20.60	20.94	21.59	22.85
	4H	22.80	23.37	23.77	24.35	25.64	20.27	20.84	21.25	21.82	23.11
	6H	23.36	23.85	24.35	24.85	26.14	20.47	20.96	21.46	21.97	23.25
	8H	23.56	24.02	24.55	25.02	26.32	20.56	21.02	21.55	22.02	23.32
	12H	23.65	24.06	24.66	25.07	26.38	20.59	21.00	21.60	22.01	23.32
8H	4H	22.82	23.28	23.81	24.28	25.58	20.50	20.96	21.49	21.96	23.26
	6H	23.45	23.83	24.47	24.87	26.17	20.77	21.15	21.79	22.19	23.49
	8H	23.72	24.05	24.74	25.07	26.39	20.92	21.25	21.94	22.28	23.59
	12H	23.85	24.14	24.88	25.16	26.52	20.98	21.28	22.01	22.30	23.66
12H	4H	22.78	23.19	23.78	24.20	25.51	20.50	20.91	21.51	21.93	23.23
	6H	23.43	23.76	24.45	24.79	26.11	20.81	21.14	21.83	22.17	23.48
	8H	23.70	24.00	24.73	25.02	26.38	20.97	21.26	22.00	22.28	23.64