

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: P1427954

Luminaire Tested: SQ2W-PH1-K-125U-100D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427954
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-125U-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 1250 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

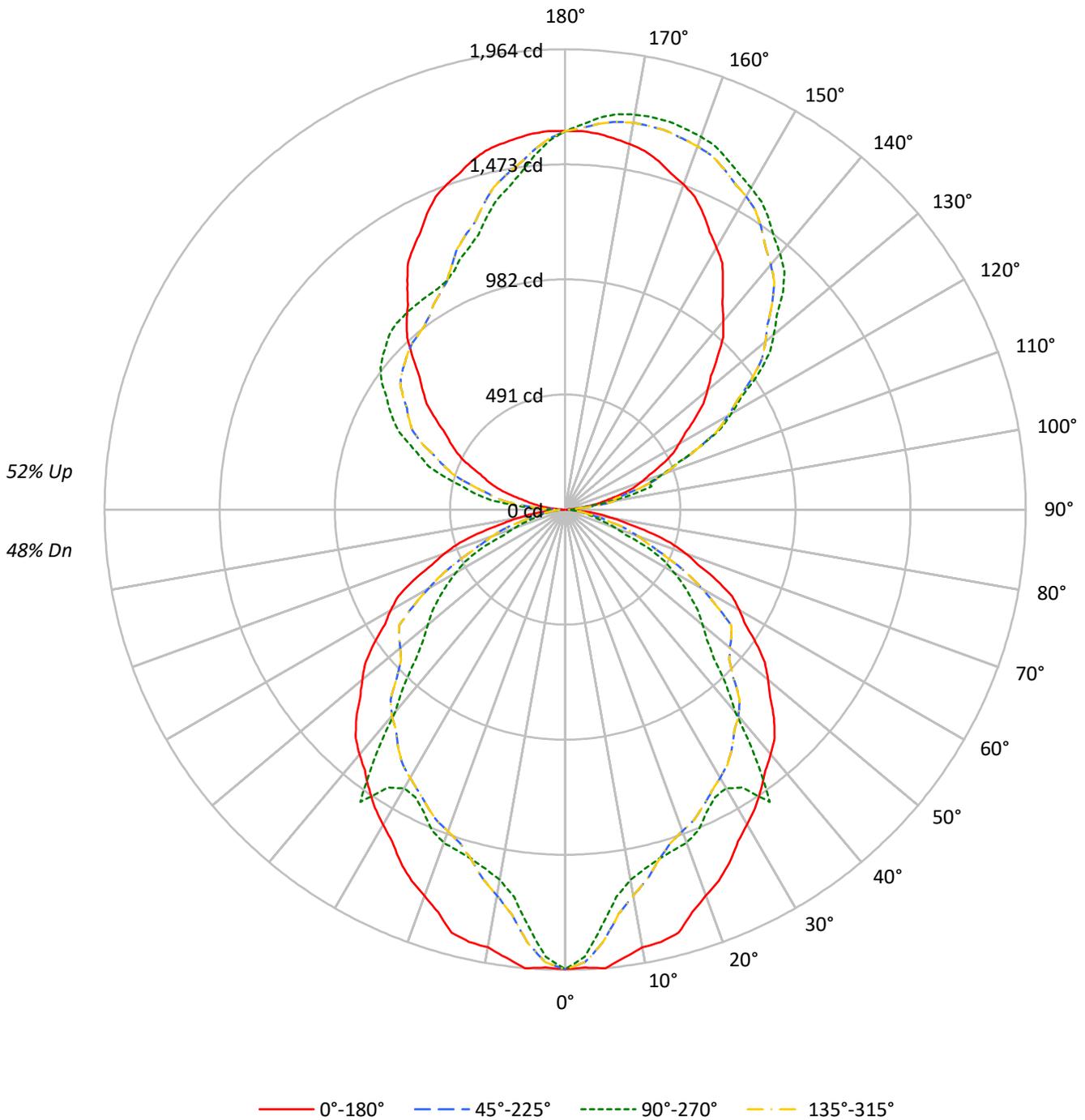
Lumens per Lamp: N/A
Luminaire Lumens: 9056.4 lumens
Efficiency: N/A
Efficacy: 111.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.02 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 81.6
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	0
RCR																		
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48
1	98	93	90	86	90	86	83	80	72	70	68	60	58	57	48	47	46	41
2	89	82	76	71	82	75	70	66	64	60	56	53	50	48	43	41	39	34
3	81	72	65	59	74	66	60	55	56	51	48	47	43	40	38	35	33	29
4	74	64	56	50	68	59	52	47	50	45	41	42	38	35	34	31	29	25
5	68	57	49	43	63	53	45	40	45	39	35	37	33	30	31	28	25	22
6	63	51	43	37	58	47	40	35	40	35	31	34	30	26	28	25	22	19
7	58	46	38	32	53	43	36	31	36	31	27	31	26	23	25	22	20	17
8	54	42	34	29	50	39	32	27	33	28	24	28	24	21	23	20	18	15
9	50	38	31	26	46	35	29	24	30	25	21	26	22	19	21	18	16	14
10	47	35	28	23	43	33	26	22	28	23	19	24	20	17	20	17	14	13

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	1.9
10°-20°	453.8	5.0
20°-30°	665.3	7.3
30°-40°	805.6	8.9
40°-50°	792.2	8.7
50°-60°	689.1	7.6
60°-70°	479.2	5.3
70°-80°	227.3	2.5
80°-90°	56.8	0.6
90°-100°	128.5	1.4
100°-110°	374.8	4.1
110°-120°	611.6	6.8
120°-130°	776.1	8.6
130°-140°	830.4	9.2
140°-150°	775.4	8.6
150°-160°	638.1	7.0
160°-170°	427.9	4.7
170°-180°	151.9	1.7
0°-30°	1291.6	14.3
0°-40°	2097.2	23.2
0°-60°	3578.4	39.5
0°-90°	4341.7	47.9
90°-120°	1114.9	12.3
90°-150°	3496.8	38.6
90°-180°	4715.0	52.1
0°-180°	9056.4	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°	5	36	5	70	5	6
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°	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°	14.4	15.1	16.0	15.7	14.7	14.0	14.0	14.3	14.6	14.6	14.6
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°	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°	14.3	14.0	14.0	14.7	15.7	16.0	15.1	14.4	15.1	15.7	16.3
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: P1427954

CATALOG NUMBER: SQ2W-PH1-K-125U-100D-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: P1427954

CATALOG NUMBER: SQ2W-PH1-K-125U-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°	16.0	17.2	19.5	20.8	22.1	21.5	22.1	20.8	19.5	17.2	16.0
90°	37.5	48.9	60.3	66.9	73.4	70.1	73.4	66.9	60.3	48.9	37.5
92.5°	75.4	94.6	108.6	120.4	125.6	124.9	125.6	120.4	108.6	94.6	75.4
95°	151.7	174.5	197.4	213.7	223.5	220.2	223.5	213.7	197.4	174.5	151.7
97.5°	233.9	264.6	290.0	305.3	315.1	321.6	315.1	305.3	290.0	264.6	233.9
100°	288.7	318.1	347.4	365.4	381.7	388.2	381.7	365.4	347.4	318.1	288.7
102.5°	333.1	371.5	403.5	422.8	436.5	443.0	436.5	422.8	403.5	371.5	333.1
105°	406.1	446.9	481.2	505.6	520.3	525.2	520.3	505.6	481.2	446.9	406.1
107.5°	479.2	521.3	552.9	580.0	597.9	608.4	597.9	580.0	552.9	521.3	479.2
110°	536.6	570.9	605.1	629.6	647.5	654.0	647.5	629.6	605.1	570.9	536.6



TEST NUMBER: P1427954

CATALOG NUMBER: SQ2W-PH1-K-125U-100D-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: P1427954

CATALOG NUMBER: SQ2W-PH1-K-125U-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°	16.3	15.7	15.1	14.4
90°	29.4	17.9	11.4	4.9
92.5°	63.3	44.0	31.0	17.9
95°	127.2	101.1	71.8	50.6
97.5°	202.6	160.5	131.5	96.6
100°	243.0	202.2	174.5	137.0
102.5°	287.4	253.1	215.0	177.5
105°	367.0	324.6	280.5	238.1
107.5°	440.7	394.1	341.2	303.0
110°	487.7	437.1	381.7	347.4



TEST NUMBER: P1427954

CATALOG NUMBER: SQ2W-PH1-K-125U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P1427954
 CATALOG NUMBER: SQ2W-PH1-K-125U-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	18.68	19.52	19.66	20.51	21.81	17.51	18.35	18.49	19.34	20.64
	3H	20.86	21.61	21.84	22.60	23.93	18.56	19.31	19.55	20.31	21.63
	4H	21.67	22.38	22.67	23.38	24.71	18.80	19.51	19.80	20.51	21.84
	6H	22.14	22.79	23.15	23.79	25.14	18.94	19.60	19.96	20.60	21.95
	8H	22.29	22.91	23.30	23.93	25.27	19.00	19.62	20.02	20.64	21.98
	12H	22.34	22.93	23.37	23.95	25.31	19.01	19.60	20.03	20.62	21.98
4H	2H	19.12	19.83	20.12	20.83	22.16	18.19	18.90	19.20	19.90	21.23
	3H	21.37	21.96	22.38	22.99	24.33	19.42	20.01	20.44	21.04	22.38
	4H	22.24	22.78	23.26	23.80	25.17	19.71	20.25	20.73	21.27	22.64
	6H	22.80	23.26	23.83	24.31	25.67	19.91	20.37	20.94	21.42	22.78
	8H	23.00	23.43	24.03	24.47	25.85	20.00	20.43	21.03	21.47	22.85
	12H	23.08	23.47	24.13	24.52	25.91	20.02	20.41	21.07	21.46	22.85
8H	4H	22.26	22.69	23.29	23.73	25.11	19.94	20.37	20.97	21.41	22.79
	6H	22.89	23.24	23.95	24.32	25.70	20.21	20.56	21.26	21.64	23.02
	8H	23.15	23.46	24.22	24.53	25.92	20.35	20.67	21.42	21.73	23.13
	12H	23.28	23.56	24.35	24.62	26.05	20.41	20.69	21.48	21.75	23.19
12H	4H	22.21	22.60	23.26	23.65	25.04	19.93	20.32	20.99	21.38	22.76
	6H	22.86	23.18	23.93	24.24	25.64	20.24	20.55	21.31	21.62	23.01
	8H	23.13	23.41	24.20	24.47	25.91	20.40	20.68	21.47	21.74	23.17