

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: P1428098

Luminaire Tested: SQ2W-PP3-K-100U-100D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428098
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PP3-K-100U-100D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE PRISM 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

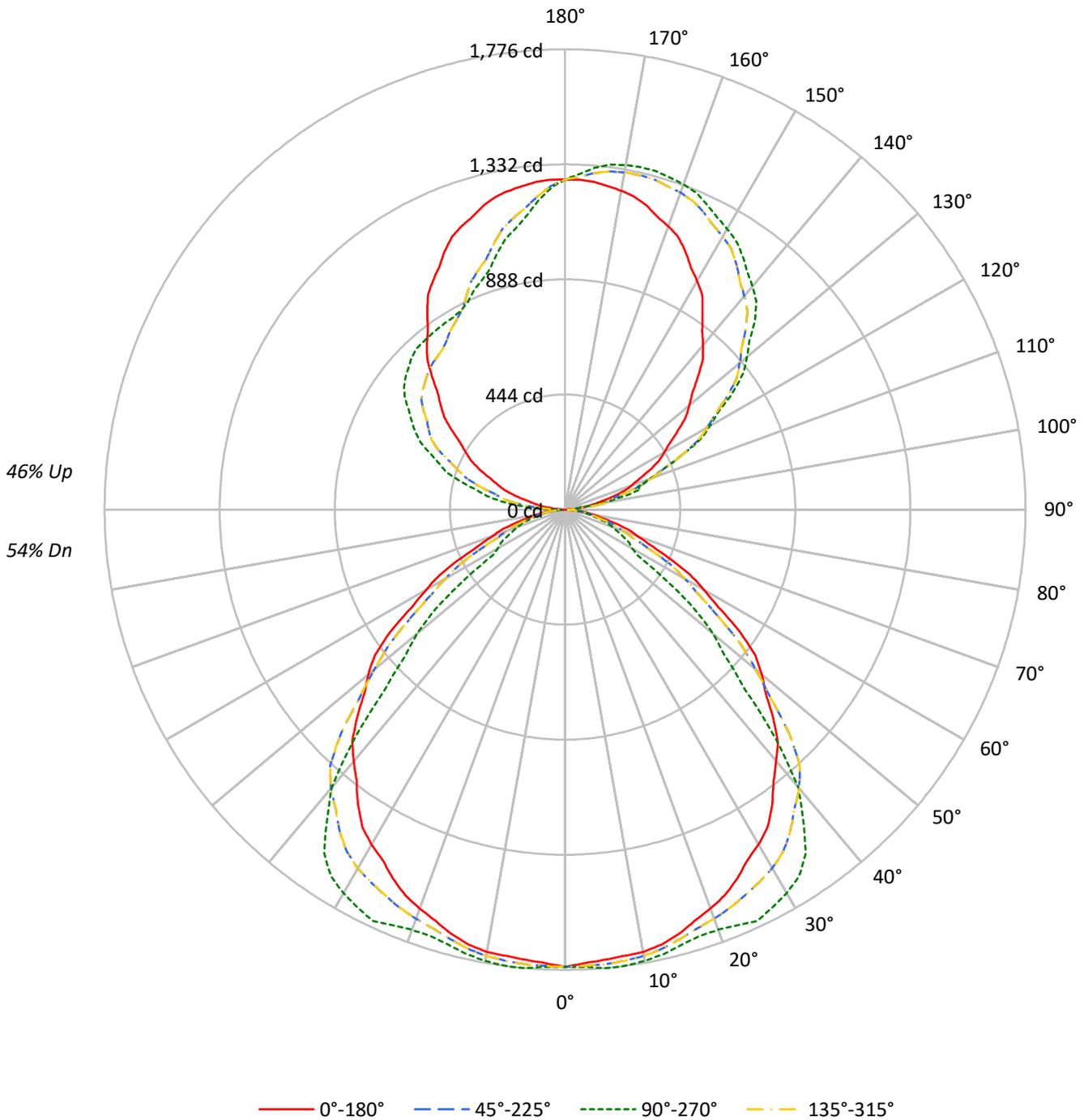
Lumens per Lamp: N/A
Luminaire Lumens: 8168.3 lumens
Efficiency: N/A
Efficacy: 115.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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	0
RCR																		
0	108	108	108	108	100	100	100	100	86	86	86	72	72	72	60	60	60	54
1	99	95	92	88	92	89	85	83	76	74	72	65	63	62	54	53	52	47
2	91	84	78	73	84	78	73	69	67	64	60	57	55	52	48	46	45	40
3	83	74	67	61	77	69	63	58	60	55	51	51	48	45	43	41	39	35
4	76	66	58	52	71	62	55	49	53	48	44	46	42	39	39	36	34	30
5	70	59	51	45	65	55	48	43	48	42	38	41	37	34	35	32	29	26
6	65	53	45	39	60	50	42	37	43	38	33	37	33	30	32	29	26	23
7	60	48	40	35	56	45	38	33	39	34	30	34	30	26	29	26	23	21
8	56	44	36	31	52	41	34	29	36	30	26	31	27	24	27	23	21	19
9	52	40	32	27	48	37	31	26	33	27	24	29	24	21	25	21	19	17
10	48	36	29	25	45	34	28	23	30	25	21	27	22	19	23	20	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	28492	28492	28492	28492
5°	28269	28782	28269	28782
10°	28412	28994	28412	28994
15°	28344	29061	28344	29061
20°	28142	29649	28142	29649
25°	27981	31206	27981	31206
30°	27823	31858	27823	31858
35°	27429	31915	27429	31915
40°	26698	29488	26698	29488
45°	25897	22447	25897	22447
50°	24882	18695	24882	18695
55°	23158	13444	23158	13444
60°	19940	9639	19940	9639
65°	16821	9478	16821	9478
70°	14001	9068	14001	9068
75°	11871	8496	11871	8496
80°	10060	7634	10060	7634
85°	7947	4150	7947	4150

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 28329 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.0	2.1
10°-20°	486.3	6.0
20°-30°	761.9	9.3
30°-40°	939.9	11.5
40°-50°	884.8	10.8
50°-60°	626.6	7.7
60°-70°	357.0	4.4
70°-80°	176.7	2.2
80°-90°	48.5	0.6
90°-100°	101.4	1.2
100°-110°	295.6	3.6
110°-120°	482.4	5.9
120°-130°	612.1	7.5
130°-140°	655.0	8.0
140°-150°	611.6	7.5
150°-160°	503.3	6.2
160°-170°	337.5	4.1
170°-180°	119.8	1.5
0°-30°	1416.3	17.3
0°-40°	2356.1	28.8
0°-60°	3867.5	47.3
0°-90°	4449.7	54.5
90°-120°	879.3	10.8
90°-150°	2758.0	33.8
90°-180°	3719.0	45.5
0°-180°	8168.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1765	1765	1765	1765	1765	
5°	1744	1776	1744	1776	1744	166
15°	1696	1739	1696	1739	1696	478
25°	1571	1752	1571	1752	1571	723
35°	1392	1619	1392	1619	1392	868
45°	1134	983	1134	983	1134	873
55°	823	478	823	478	823	726
65°	440	248	440	248	440	442
75°	190	136	190	136	190	206
85°	43	22	43	22	43	50
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°	1764.7	1764.7	1764.7	1764.7	1764.7	1764.7	1764.7	1764.7	1764.7	1764.7	1764.7
2.5°	1751.3	1762.6	1773.9	1771.2	1763.9	1760.9	1762.2	1763.6	1764.9	1766.2	1764.9
5°	1744.2	1758.3	1772.4	1770.3	1762.9	1760.0	1761.6	1764.3	1770.1	1775.9	1770.1
7.5°	1737.5	1751.9	1766.4	1764.5	1757.2	1755.0	1757.8	1761.7	1768.8	1775.9	1768.8
10°	1733.0	1745.5	1757.9	1756.0	1749.4	1748.2	1752.3	1756.9	1762.7	1768.5	1762.7
12.5°	1719.6	1731.4	1743.1	1741.6	1735.6	1735.4	1740.9	1746.2	1751.4	1756.5	1751.4
15°	1695.7	1706.5	1717.3	1717.5	1714.2	1716.2	1723.7	1730.3	1734.5	1738.6	1734.5
17.5°	1663.3	1676.4	1689.5	1692.5	1692.1	1697.3	1707.9	1716.9	1721.2	1725.6	1721.2
20°	1637.9	1653.6	1669.4	1674.6	1676.2	1683.7	1697.0	1709.0	1717.3	1725.6	1717.3
22.5°	1611.0	1629.4	1647.8	1654.7	1657.7	1669.1	1689.0	1707.5	1721.7	1736.0	1721.7
25°	1570.7	1589.0	1607.2	1620.5	1632.1	1652.4	1681.4	1708.6	1730.1	1751.7	1730.1
27.5°	1523.7	1541.8	1559.9	1582.7	1607.0	1635.6	1668.2	1697.0	1714.1	1731.2	1714.1
30°	1492.4	1509.8	1527.2	1553.3	1582.3	1613.8	1647.8	1677.3	1693.0	1708.8	1693.0
32.5°	1453.6	1471.6	1489.7	1517.5	1548.5	1582.3	1619.0	1650.1	1664.5	1678.9	1664.5
35°	1391.6	1409.1	1426.5	1458.8	1496.1	1533.8	1572.0	1602.6	1610.9	1619.2	1610.9
37.5°	1320.4	1340.1	1359.8	1396.1	1437.9	1469.5	1490.9	1507.1	1507.5	1508.0	1507.5
40°	1266.7	1292.4	1318.1	1354.3	1394.1	1416.1	1420.2	1420.7	1409.9	1399.1	1409.9
42.5°	1214.4	1247.4	1280.4	1309.6	1337.4	1343.1	1326.7	1302.4	1254.5	1206.6	1254.5
45°	1134.2	1173.2	1212.1	1230.0	1240.7	1204.3	1120.5	1049.4	1016.3	983.1	1016.3
47.5°	1048.8	1087.2	1125.7	1120.8	1101.4	1046.2	955.1	881.1	858.2	835.4	858.2
50°	990.6	1027.0	1063.5	1037.2	989.9	927.8	850.7	787.4	765.9	744.3	765.9
52.5°	924.9	957.4	989.9	950.1	886.3	820.8	753.6	695.1	662.2	629.4	662.2
55°	822.7	845.1	867.4	823.9	758.4	686.3	607.5	540.6	509.1	477.6	509.1
57.5°	699.6	715.3	731.1	696.8	645.9	574.2	481.7	403.4	368.1	332.8	368.1
60°	617.5	629.9	642.3	611.3	565.7	497.3	406.1	333.3	315.9	298.5	315.9
62.5°	542.9	554.0	565.1	532.7	485.7	424.6	349.3	291.3	285.2	279.1	285.2
65°	440.3	451.0	461.8	427.8	378.9	331.2	284.8	249.8	248.9	248.1	248.9
67.5°	350.3	362.1	373.9	341.9	295.3	260.0	236.2	218.0	217.0	216.0	217.0
70°	296.6	309.0	321.5	291.6	247.7	219.1	205.8	195.5	193.8	192.1	193.8
72.5°	251.8	263.6	275.4	249.4	210.7	187.1	178.5	171.7	170.8	169.8	170.8
75°	190.3	199.4	208.5	189.7	161.5	145.3	141.2	137.8	137.0	136.2	137.0
77.5°	138.0	143.8	149.7	137.3	118.9	108.6	106.5	104.6	103.8	103.0	103.8
80°	108.2	110.7	113.2	104.5	92.0	85.4	84.6	83.7	82.9	82.1	82.9
82.5°	81.3	80.5	79.7	74.6	68.2	64.5	63.7	62.7	61.2	59.7	61.2
85°	42.9	41.2	39.6	37.9	36.3	33.8	30.5	27.4	24.9	22.4	24.9
87.5°	14.2	15.2	16.5	15.1	12.5	10.8	10.1	9.9	10.1	10.1	10.1
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°	1764.7	1764.7	1764.7	1764.7	1764.7	1764.7	1764.7	1764.7	1764.7	1764.7	1764.7
2.5°	1763.6	1762.2	1760.9	1763.9	1771.2	1773.9	1762.6	1751.3	1762.6	1773.9	1771.2
5°	1764.3	1761.6	1760.0	1762.9	1770.3	1772.4	1758.3	1744.2	1758.3	1772.4	1770.3
7.5°	1761.7	1757.8	1755.0	1757.2	1764.5	1766.4	1751.9	1737.5	1751.9	1766.4	1764.5
10°	1756.9	1752.3	1748.2	1749.4	1756.0	1757.9	1745.5	1733.0	1745.5	1757.9	1756.0
12.5°	1746.2	1740.9	1735.4	1735.6	1741.6	1743.1	1731.4	1719.6	1731.4	1743.1	1741.6
15°	1730.3	1723.7	1716.2	1714.2	1717.5	1717.3	1706.5	1695.7	1706.5	1717.3	1717.5
17.5°	1716.9	1707.9	1697.3	1692.1	1692.5	1689.5	1676.4	1663.3	1676.4	1689.5	1692.5
20°	1709.0	1697.0	1683.7	1676.2	1674.6	1669.4	1653.6	1637.9	1653.6	1669.4	1674.6
22.5°	1707.5	1689.0	1669.1	1657.7	1654.7	1647.8	1629.4	1611.0	1629.4	1647.8	1654.7
25°	1708.6	1681.4	1652.4	1632.1	1620.5	1607.2	1589.0	1570.7	1589.0	1607.2	1620.5
27.5°	1697.0	1668.2	1635.6	1607.0	1582.7	1559.9	1541.8	1523.7	1541.8	1559.9	1582.7
30°	1677.3	1647.8	1613.8	1582.3	1553.3	1527.2	1509.8	1492.4	1509.8	1527.2	1553.3
32.5°	1650.1	1619.0	1582.3	1548.5	1517.5	1489.7	1471.6	1453.6	1471.6	1489.7	1517.5
35°	1602.6	1572.0	1533.8	1496.1	1458.8	1426.5	1409.1	1391.6	1409.1	1426.5	1458.8
37.5°	1507.1	1490.9	1469.5	1437.9	1396.1	1359.8	1340.1	1320.4	1340.1	1359.8	1396.1
40°	1420.7	1420.2	1416.1	1394.1	1354.3	1318.1	1292.4	1266.7	1292.4	1318.1	1354.3
42.5°	1302.4	1326.7	1343.1	1337.4	1309.6	1280.4	1247.4	1214.4	1247.4	1280.4	1309.6
45°	1049.4	1120.5	1204.3	1240.7	1230.0	1212.1	1173.2	1134.2	1173.2	1212.1	1230.0
47.5°	881.1	955.1	1046.2	1101.4	1120.8	1125.7	1087.2	1048.8	1087.2	1125.7	1120.8
50°	787.4	850.7	927.8	989.9	1037.2	1063.5	1027.0	990.6	1027.0	1063.5	1037.2
52.5°	695.1	753.6	820.8	886.3	950.1	989.9	957.4	924.9	957.4	989.9	950.1
55°	540.6	607.5	686.3	758.4	823.9	867.4	845.1	822.7	845.1	867.4	823.9
57.5°	403.4	481.7	574.2	645.9	696.8	731.1	715.3	699.6	715.3	731.1	696.8
60°	333.3	406.1	497.3	565.7	611.3	642.3	629.9	617.5	629.9	642.3	611.3
62.5°	291.3	349.3	424.6	485.7	532.7	565.1	554.0	542.9	554.0	565.1	532.7
65°	249.8	284.8	331.2	378.9	427.8	461.8	451.0	440.3	451.0	461.8	427.8
67.5°	218.0	236.2	260.0	295.3	341.9	373.9	362.1	350.3	362.1	373.9	341.9
70°	195.5	205.8	219.1	247.7	291.6	321.5	309.0	296.6	309.0	321.5	291.6
72.5°	171.7	178.5	187.1	210.7	249.4	275.4	263.6	251.8	263.6	275.4	249.4
75°	137.8	141.2	145.3	161.5	189.7	208.5	199.4	190.3	199.4	208.5	189.7
77.5°	104.6	106.5	108.6	118.9	137.3	149.7	143.8	138.0	143.8	149.7	137.3
80°	83.7	84.6	85.4	92.0	104.5	113.2	110.7	108.2	110.7	113.2	104.5
82.5°	62.7	63.7	64.5	68.2	74.6	79.7	80.5	81.3	80.5	79.7	74.6
85°	27.4	30.5	33.8	36.3	37.9	39.6	41.2	42.9	41.2	39.6	37.9
87.5°	9.9	10.1	10.8	12.5	15.1	16.5	15.2	14.2	15.2	16.3	15.6
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: P1428098

CATALOG NUMBER: SQ2W-PP3-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: P1428098

CATALOG NUMBER: SQ2W-PP3-K-100U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1764.7	1764.7	1764.7	1764.7	1764.7	1764.7	1764.7	1764.7	1764.7	1764.7	1764.7
2.5°	1763.9	1760.9	1762.2	1763.6	1764.9	1766.2	1764.9	1763.6	1762.2	1760.9	1763.9
5°	1762.9	1760.0	1761.6	1764.3	1770.1	1775.9	1770.1	1764.3	1761.6	1760.0	1762.9
7.5°	1757.2	1755.0	1757.8	1761.7	1768.8	1775.9	1768.8	1761.7	1757.8	1755.0	1757.2
10°	1749.4	1748.2	1752.3	1756.9	1762.7	1768.5	1762.7	1756.9	1752.3	1748.2	1749.4
12.5°	1735.6	1735.4	1740.9	1746.2	1751.4	1756.5	1751.4	1746.2	1740.9	1735.4	1735.6
15°	1714.2	1716.2	1723.7	1730.3	1734.5	1738.6	1734.5	1730.3	1723.7	1716.2	1714.2
17.5°	1692.1	1697.3	1707.9	1716.9	1721.2	1725.6	1721.2	1716.9	1707.9	1697.3	1692.1
20°	1676.2	1683.7	1697.0	1709.0	1717.3	1725.6	1717.3	1709.0	1697.0	1683.7	1676.2
22.5°	1657.7	1669.1	1689.0	1707.5	1721.7	1736.0	1721.7	1707.5	1689.0	1669.1	1657.7
25°	1632.1	1652.4	1681.4	1708.6	1730.1	1751.7	1730.1	1708.6	1681.4	1652.4	1632.1
27.5°	1607.0	1635.6	1668.2	1697.0	1714.1	1731.2	1714.1	1697.0	1668.2	1635.6	1607.0
30°	1582.3	1613.8	1647.8	1677.3	1693.0	1708.8	1693.0	1677.3	1647.8	1613.8	1582.3
32.5°	1548.5	1582.3	1619.0	1650.1	1664.5	1678.9	1664.5	1650.1	1619.0	1582.3	1548.5
35°	1496.1	1533.8	1572.0	1602.6	1610.9	1619.2	1610.9	1602.6	1572.0	1533.8	1496.1
37.5°	1437.9	1469.5	1490.9	1507.1	1507.5	1508.0	1507.5	1507.1	1490.9	1469.5	1437.9
40°	1394.1	1416.1	1420.2	1420.7	1409.9	1399.1	1409.9	1420.7	1420.2	1416.1	1394.1
42.5°	1337.4	1343.1	1326.7	1302.4	1254.5	1206.6	1254.5	1302.4	1326.7	1343.1	1337.4
45°	1240.7	1204.3	1120.5	1049.4	1016.3	983.1	1016.3	1049.4	1120.5	1204.3	1240.7
47.5°	1101.4	1046.2	955.1	881.1	858.2	835.4	858.2	881.1	955.1	1046.2	1101.4
50°	989.9	927.8	850.7	787.4	765.9	744.3	765.9	787.4	850.7	927.8	989.9
52.5°	886.3	820.8	753.6	695.1	662.2	629.4	662.2	695.1	753.6	820.8	886.3
55°	758.4	686.3	607.5	540.6	509.1	477.6	509.1	540.6	607.5	686.3	758.4
57.5°	645.9	574.2	481.7	403.4	368.1	332.8	368.1	403.4	481.7	574.2	645.9
60°	565.7	497.3	406.1	333.3	315.9	298.5	315.9	333.3	406.1	497.3	565.7
62.5°	485.7	424.6	349.3	291.3	285.2	279.1	285.2	291.3	349.3	424.6	485.7
65°	378.9	331.2	284.8	249.8	248.9	248.1	248.9	249.8	284.8	331.2	378.9
67.5°	295.3	260.0	236.2	218.0	217.0	216.0	217.0	218.0	236.2	260.0	295.3
70°	247.7	219.1	205.8	195.5	193.8	192.1	193.8	195.5	205.8	219.1	247.7
72.5°	210.7	187.1	178.5	171.7	170.8	169.8	170.8	171.7	178.5	187.1	210.7
75°	161.5	145.3	141.2	137.8	137.0	136.2	137.0	137.8	141.2	145.3	161.5
77.5°	118.9	108.6	106.5	104.6	103.8	103.0	103.8	104.6	106.5	108.6	118.9
80°	92.0	85.4	84.6	83.7	82.9	82.1	82.9	83.7	84.6	85.4	92.0
82.5°	68.2	64.5	63.7	62.7	61.2	59.7	61.2	62.7	63.7	64.5	68.2
85°	36.3	33.8	30.5	27.4	24.9	22.4	24.9	27.4	30.5	33.8	36.3
87.5°	13.5	13.4	14.5	15.0	16.1	15.5	16.1	15.0	14.5	13.4	13.5
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	398.8	379.5	352.5	320.3
107.5°	378.0	411.1	436.1	457.5	471.6	479.8	471.6	457.5	436.1	411.1	378.0
110°	423.2	450.3	477.3	496.6	510.7	515.9	510.7	496.6	477.3	450.3	423.2



TEST NUMBER: P1428098

CATALOG NUMBER: SQ2W-PP3-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: P1428098

CATALOG NUMBER: SQ2W-PP3-K-100U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1764.7	1764.7	1764.7	1764.7
2.5°	1771.2	1773.9	1762.6	1751.3
5°	1770.3	1772.4	1758.3	1744.2
7.5°	1764.5	1766.4	1751.9	1737.5
10°	1756.0	1757.9	1745.5	1733.0
12.5°	1741.6	1743.1	1731.4	1719.6
15°	1717.5	1717.3	1706.5	1695.7
17.5°	1692.5	1689.5	1676.4	1663.3
20°	1674.6	1669.4	1653.6	1637.9
22.5°	1654.7	1647.8	1629.4	1611.0
25°	1620.5	1607.2	1589.0	1570.7
27.5°	1582.7	1559.9	1541.8	1523.7
30°	1553.3	1527.2	1509.8	1492.4
32.5°	1517.5	1489.7	1471.6	1453.6
35°	1458.8	1426.5	1409.1	1391.6
37.5°	1396.1	1359.8	1340.1	1320.4
40°	1354.3	1318.1	1292.4	1266.7
42.5°	1309.6	1280.4	1247.4	1214.4
45°	1230.0	1212.1	1173.2	1134.2
47.5°	1120.8	1125.7	1087.2	1048.8
50°	1037.2	1063.5	1027.0	990.6
52.5°	950.1	989.9	957.4	924.9
55°	823.9	867.4	845.1	822.7
57.5°	696.8	731.1	715.3	699.6
60°	611.3	642.3	629.9	617.5
62.5°	532.7	565.1	554.0	542.9
65°	427.8	461.8	451.0	440.3
67.5°	341.9	373.9	362.1	350.3
70°	291.6	321.5	309.0	296.6
72.5°	249.4	275.4	263.6	251.8
75°	189.7	208.5	199.4	190.3
77.5°	137.3	149.7	143.8	138.0
80°	104.5	113.2	110.7	108.2
82.5°	74.6	79.7	80.5	81.3
85°	37.9	39.6	41.2	42.9
87.5°	15.6	16.3	15.2	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: P1428098

CATALOG NUMBER: SQ2W-PP3-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: P1428098
 CATALOG NUMBER: SQ2W-PP3-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	19.50	20.37	20.42	21.31	22.51	15.27	16.14	16.19	17.08	18.28
	3H	20.56	21.34	21.50	22.28	23.52	16.58	17.36	17.52	18.30	19.54
	4H	20.93	21.66	21.88	22.61	23.86	17.14	17.87	18.09	18.82	20.06
	6H	21.12	21.80	22.09	22.75	24.01	17.50	18.18	18.47	19.13	20.39
	8H	21.19	21.83	22.16	22.80	24.05	17.63	18.27	18.60	19.25	20.50
	12H	21.21	21.82	22.18	22.78	24.06	17.67	18.28	18.64	19.24	20.52
4H	2H	19.62	20.35	20.58	21.30	22.55	16.18	16.91	17.14	17.86	19.11
	3H	20.91	21.52	21.88	22.50	23.76	17.60	18.21	18.57	19.19	20.45
	4H	21.42	21.98	22.40	22.95	24.23	18.23	18.78	19.20	19.75	21.04
	6H	21.74	22.21	22.73	23.21	24.49	18.67	19.15	19.66	20.15	21.43
	8H	21.85	22.29	22.84	23.28	24.58	18.84	19.29	19.83	20.28	21.57
	12H	21.89	22.29	22.90	23.30	24.60	18.89	19.29	19.90	20.30	21.60
8H	4H	21.44	21.89	22.43	22.88	24.17	18.54	18.98	19.53	19.97	21.27
	6H	21.86	22.22	22.87	23.26	24.55	19.10	19.46	20.11	20.50	21.79
	8H	22.04	22.36	23.06	23.38	24.69	19.34	19.67	20.37	20.69	22.00
	12H	22.13	22.42	23.16	23.43	24.79	19.44	19.73	20.47	20.75	22.10
12H	4H	21.40	21.80	22.41	22.81	24.11	18.55	18.95	19.56	19.96	21.26
	6H	21.85	22.17	22.87	23.19	24.50	19.16	19.48	20.18	20.51	21.82
	8H	22.04	22.33	23.07	23.35	24.70	19.44	19.72	20.46	20.74	22.09