

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: P1435828

Luminaire Tested: SQ2W-FA-K-100U-100D-L940-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435828
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2502-345-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-FA-K-100U-100D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ASYMMETRIC ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

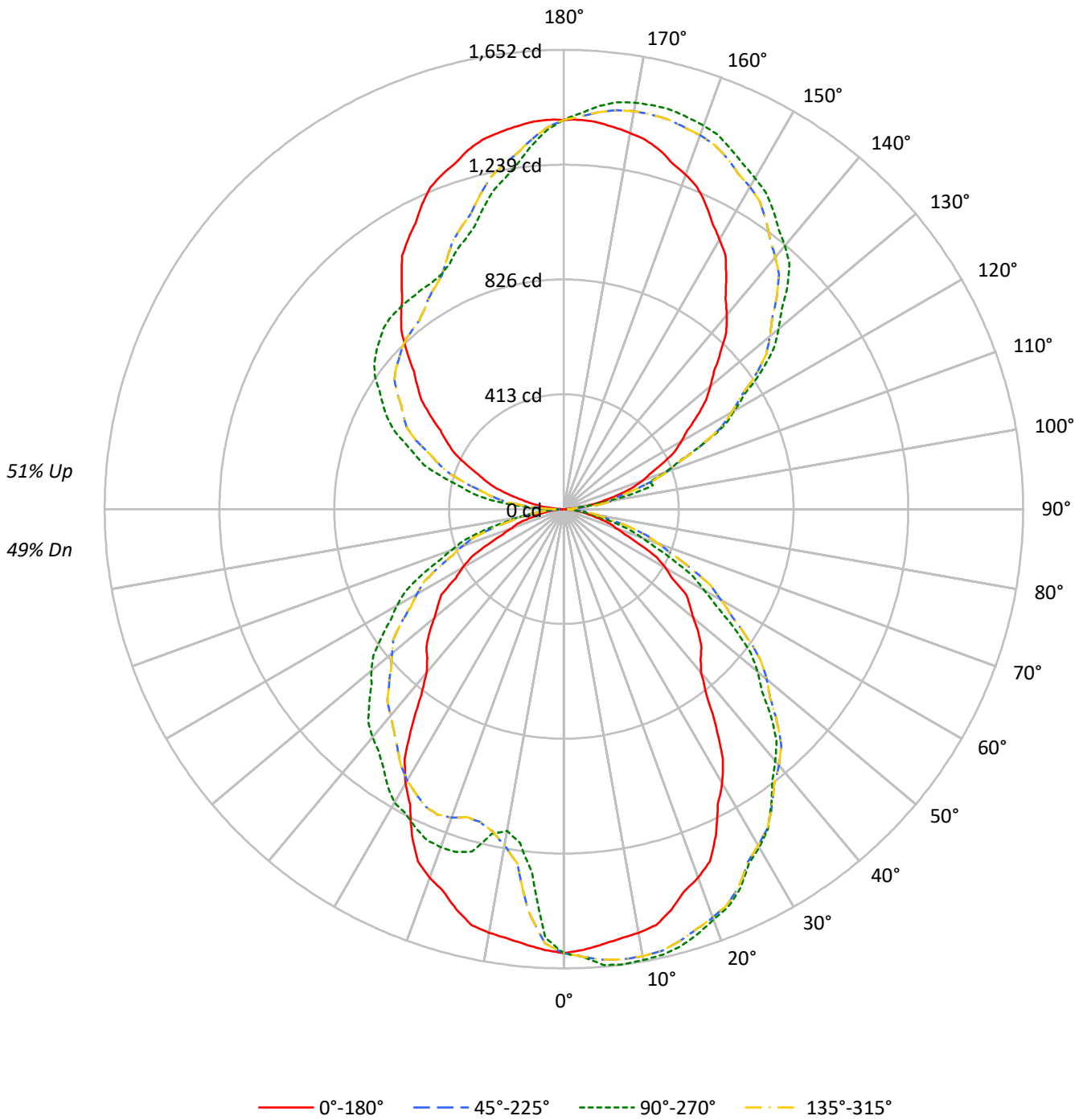
Lumens per Lamp: N/A
Luminaire Lumens: 8061.5 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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

TEST NUMBER: P1435828

CATALOG NUMBER: SQ2W-FA-K-100U-100D-L940-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1435828

CATALOG NUMBER: SQ2W-FA-K-100U-100D-L940-UNV-STD-W-WM-4

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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	55	55	55	49				49
1	98	93	90	86	90	86	83	80	73	71	68	61	59	57	49	48	47				42	
2	89	82	76	70	82	75	70	66	64	60	57	53	50	48	43	41	40				35	
3	81	72	64	59	75	66	60	55	56	52	48	47	44	41	38	36	34				30	
4	74	64	56	50	68	59	52	47	50	45	41	42	38	35	34	31	29				25	
5	68	57	48	42	63	52	45	40	45	39	35	38	33	30	31	28	25				22	
6	63	51	43	37	58	47	40	35	40	35	30	34	30	26	28	25	22				19	
7	58	46	38	32	53	43	35	30	37	31	27	31	27	23	26	22	20				17	
8	54	42	34	28	50	39	32	27	33	28	24	28	24	21	23	20	18				15	
9	50	38	30	25	46	35	29	24	30	25	21	26	22	19	22	18	16				14	
10	47	35	28	23	43	32	26	22	28	23	19	24	20	17	20	17	14				13	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	25784	25784	25784	25784
5°	25481	26685	25481	21269
10°	25371	26994	25371	19282
15°	24936	27211	24936	21313
20°	24249	27013	24249	22228
25°	23047	26795	23047	22495
30°	21233	26196	21233	22734
35°	18788	25621	18788	22328
40°	16176	24919	16176	22571
45°	15972	24027	15972	22614
50°	15237	22855	15237	22699
55°	15158	21084	15158	22477
60°	13591	18790	13591	22387
65°	11587	16554	11587	21757
70°	9352	14025	9352	20162
75°	8110	11584	8110	18534
80°	6908	8628	6908	14960
85°	4594	4594	4594	9170

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 24781 cd/sqm



TEST NUMBER: P1435828

CATALOG NUMBER: SQ2W-FA-K-100U-100D-L940-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.7	1.8
10°-20°	401.5	5.0
20°-30°	609.7	7.6
30°-40°	715.9	8.9
40°-50°	726.5	9.0
50°-60°	636.3	7.9
60°-70°	451.3	5.6
70°-80°	232.4	2.9
80°-90°	54.5	0.7
90°-100°	111.5	1.4
100°-110°	325.1	4.0
110°-120°	530.5	6.6
120°-130°	673.2	8.4
130°-140°	720.3	8.9
140°-150°	672.6	8.3
150°-160°	553.5	6.9
160°-170°	371.2	4.6
170°-180°	131.8	1.6
0°-30°	1154.9	14.3
0°-40°	1870.8	23.2
0°-60°	3233.6	40.1
0°-90°	3971.8	49.3
90°-120°	967.1	12.0
90°-150°	3033.2	37.6
90°-180°	4090.0	50.7
0°-180°	8061.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1597	1597	1597	1597	1597	
5°	1572	1646	1572	1312	1572	149
15°	1492	1628	1492	1275	1492	419
25°	1294	1504	1294	1263	1294	591
35°	953	1300	953	1133	953	594
45°	700	1052	700	990	700	535
55°	538	749	538	798	538	466
65°	303	433	303	570	303	303
75°	130	186	130	297	130	141
85°	25	25	25	50	25	31
90°	4	31	4	61	4	4
95°	44	32	44	191	44	53
105°	207	331	207	456	207	220
115°	396	549	396	676	396	390
125°	586	870	586	829	586	524
135°	796	1139	796	918	796	616
145°	1017	1313	1017	938	1017	636
155°	1208	1426	1208	973	1208	555
165°	1336	1487	1336	1120	1336	376
175°	1396	1456	1396	1314	1396	132
180°	1401	1401	1401	1401	1401	



TEST NUMBER: P1435828

CATALOG NUMBER: SQ2W-FA-K-100U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1597.0	1597.0	1597.0	1597.0	1597.0	1597.0	1597.0	1597.0	1597.0	1597.0	1597.0
2.5°	1587.1	1598.1	1609.1	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9
5°	1572.2	1591.5	1610.7	1619.7	1625.2	1629.3	1632.1	1635.5	1641.0	1646.5	1641.0
7.5°	1557.4	1583.2	1609.1	1621.8	1630.0	1636.6	1641.6	1646.0	1648.7	1651.5	1648.7
10°	1547.5	1577.7	1608.0	1621.8	1630.0	1635.5	1638.3	1641.0	1643.8	1646.5	1643.8
12.5°	1532.6	1565.1	1597.5	1613.5	1624.0	1630.6	1633.3	1636.1	1638.8	1641.6	1638.8
15°	1491.8	1535.8	1579.8	1597.0	1605.2	1612.1	1617.6	1622.4	1625.2	1627.9	1625.2
17.5°	1441.0	1494.4	1547.8	1569.3	1580.4	1588.3	1593.3	1597.5	1599.7	1601.9	1599.7
20°	1411.3	1469.1	1526.8	1549.5	1560.5	1567.4	1570.2	1572.2	1572.2	1572.2	1572.2
22.5°	1371.7	1436.1	1500.4	1524.8	1535.8	1541.6	1542.1	1543.1	1545.3	1547.5	1545.3
25°	1293.7	1368.0	1442.2	1473.2	1489.7	1496.6	1493.8	1493.1	1498.6	1504.1	1498.6
27.5°	1198.4	1291.9	1385.4	1417.1	1428.1	1435.0	1437.7	1439.8	1439.8	1439.8	1439.8
30°	1138.9	1243.5	1348.0	1382.4	1393.4	1400.3	1403.0	1405.1	1405.1	1405.1	1405.1
32.5°	1064.7	1189.0	1313.4	1351.0	1359.9	1364.5	1365.1	1365.5	1365.5	1365.5	1365.5
35°	953.2	1104.6	1255.9	1297.8	1303.3	1306.1	1306.1	1305.4	1302.6	1299.9	1302.6
37.5°	841.8	1013.5	1185.2	1234.3	1242.5	1244.7	1240.9	1237.3	1234.5	1231.8	1234.5
40°	767.5	954.6	1141.7	1194.7	1202.9	1202.9	1194.7	1187.8	1185.0	1182.3	1185.0
42.5°	727.9	912.8	1097.7	1150.1	1158.3	1157.2	1146.8	1138.3	1135.5	1132.8	1135.5
45°	699.5	864.5	1029.6	1077.0	1085.3	1083.9	1072.9	1063.3	1057.8	1052.3	1057.8
47.5°	656.1	801.4	946.6	993.3	1007.0	1005.7	989.1	975.4	969.9	964.4	969.9
50°	606.6	749.7	892.7	938.8	952.6	951.2	934.7	920.9	915.4	909.9	915.4
52.5°	571.9	706.2	840.5	882.7	894.2	890.7	872.0	856.5	851.0	845.5	851.0
55°	538.5	651.3	764.1	798.5	806.8	801.2	782.0	765.5	757.2	749.0	757.2
57.5°	460.5	567.8	675.1	708.5	717.3	710.7	688.7	669.9	660.5	651.2	660.5
60°	420.9	517.2	613.5	645.8	656.8	651.3	629.3	609.4	595.6	581.9	595.6
62.5°	376.3	461.6	546.9	579.8	595.2	591.9	569.9	549.9	536.2	522.4	536.2
65°	303.3	377.6	451.9	484.9	504.1	502.8	480.7	460.8	447.0	433.3	447.0
67.5°	237.7	301.5	365.3	397.8	419.8	418.7	394.5	373.6	362.6	351.6	362.6
70°	198.1	253.1	308.1	338.4	360.4	360.4	338.4	319.1	308.1	297.1	308.1
72.5°	173.3	215.1	256.9	285.6	309.8	309.8	285.6	265.2	256.4	247.6	256.4
75°	130.0	154.7	179.5	206.3	233.8	236.6	214.6	196.7	191.2	185.7	191.2
77.5°	94.1	105.6	117.2	138.2	162.5	165.2	146.5	131.9	129.7	127.5	129.7
80°	74.3	77.0	79.8	97.0	119.0	121.7	105.2	92.8	92.8	92.8	92.8
82.5°	49.5	52.3	55.0	67.3	82.7	84.3	72.2	62.6	60.4	58.2	60.4
85°	24.8	24.8	24.8	28.9	34.4	34.4	28.9	24.8	24.8	24.8	24.8
87.5°	5.8	6.9	8.3	11.1	14.2	14.5	12.3	10.9	11.2	11.2	11.2
90°	4.2	9.9	17.0	22.6	26.9	28.3	28.3	29.7	31.1	31.1	31.1
92.5°	15.6	24.6	24.9	24.9	30.3	32.8	35.1	35.4	36.8	36.8	36.8
95°	43.9	48.1	72.2	70.7	48.1	38.2	32.5	32.5	32.5	32.5	32.5
97.5°	83.8	90.0	93.9	125.9	133.0	128.5	104.7	88.0	78.7	74.4	78.7
100°	118.8	121.7	130.2	131.6	166.9	200.9	183.9	162.7	155.6	151.4	155.6
102.5°	153.9	155.6	168.6	174.6	182.8	202.0	260.9	254.4	249.6	248.7	249.6
105°	206.6	208.0	232.0	243.3	249.0	249.0	247.6	275.9	321.2	331.1	321.2
107.5°	262.9	269.4	297.7	328.0	334.5	336.2	328.8	324.6	322.9	324.0	322.9
110°	301.4	311.3	345.2	383.4	393.3	396.1	393.3	389.1	386.2	386.2	386.2



TEST NUMBER: P1435828

CATALOG NUMBER: SQ2W-FA-K-100U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	338.7	353.1	391.6	435.5	452.2	460.7	454.4	451.3	448.5	450.8	448.5
115°	396.1	417.4	468.3	513.6	547.5	551.8	550.4	550.4	548.9	548.9	548.9
117.5°	449.3	483.3	540.5	593.1	632.4	643.7	649.4	647.7	646.0	648.8	646.0
120°	486.7	526.3	591.4	650.8	689.0	706.0	711.6	708.8	711.6	708.8	711.6
122.5°	526.3	575.0	638.9	700.6	745.6	764.8	771.6	772.2	772.8	771.1	772.8
125°	585.7	645.2	720.1	783.8	830.5	853.1	858.8	860.2	863.0	870.1	863.0
127.5°	645.7	713.1	795.4	856.8	904.6	932.1	940.8	944.0	949.9	953.0	949.9
130°	687.6	764.0	847.5	905.5	952.2	981.9	997.4	1001.7	1008.8	1007.3	1008.8
132.5°	731.7	811.5	896.1	956.4	999.7	1031.7	1045.0	1057.1	1059.7	1061.7	1059.7
135°	796.5	882.8	967.7	1027.2	1068.2	1099.3	1116.3	1127.6	1134.7	1138.9	1134.7
137.5°	864.7	955.8	1037.3	1090.3	1131.6	1158.4	1177.7	1189.6	1196.9	1200.3	1196.9
140°	911.1	998.9	1078.1	1133.3	1170.0	1196.9	1213.9	1228.1	1236.5	1236.5	1236.5
142.5°	955.3	1041.9	1118.8	1174.0	1206.3	1230.9	1249.0	1259.7	1269.4	1269.4	1269.4
145°	1017.2	1103.6	1174.3	1229.5	1256.4	1279.0	1298.8	1307.3	1312.9	1312.9	1312.9
147.5°	1082.0	1158.4	1223.0	1275.9	1298.5	1325.1	1340.7	1347.5	1354.5	1351.4	1354.5
150°	1120.5	1191.3	1253.5	1303.0	1325.7	1351.1	1366.7	1372.4	1379.4	1375.2	1379.4
152.5°	1157.9	1225.2	1281.8	1327.9	1347.2	1372.6	1390.5	1396.1	1400.9	1397.8	1400.9
155°	1208.2	1267.7	1320.0	1362.5	1379.4	1403.5	1420.5	1427.5	1433.2	1426.1	1433.2
157.5°	1253.2	1304.5	1350.0	1389.1	1407.2	1427.8	1443.7	1452.4	1458.1	1455.0	1458.1
160°	1280.4	1327.1	1368.1	1404.9	1421.9	1440.3	1457.3	1467.2	1472.8	1468.6	1472.8
162.5°	1303.0	1345.2	1384.0	1417.4	1432.1	1448.2	1468.6	1477.3	1483.0	1477.6	1483.0
165°	1335.6	1369.5	1403.5	1431.8	1444.5	1457.3	1478.5	1488.4	1492.6	1487.0	1492.6
167.5°	1360.2	1386.2	1413.7	1438.0	1447.4	1459.8	1481.0	1489.2	1494.6	1487.5	1494.6
170°	1373.8	1396.4	1420.5	1440.3	1447.4	1458.7	1479.9	1487.0	1491.2	1484.1	1491.2
172.5°	1385.1	1402.1	1421.6	1439.1	1442.8	1451.9	1472.0	1479.0	1482.2	1476.2	1482.2
175°	1396.4	1406.3	1420.5	1431.8	1430.4	1436.0	1453.0	1458.7	1464.3	1455.8	1464.3
177.5°	1401.8	1406.3	1410.8	1417.6	1413.1	1413.1	1425.6	1429.0	1430.1	1425.6	1430.1
180°	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7



TEST NUMBER: P1435828

CATALOG NUMBER: SQ2W-FA-K-100U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1597.0	1597.0	1597.0	1597.0	1597.0	1597.0	1597.0	1597.0	1597.0	1597.0	1597.0
2.5°	1611.9	1611.9	1611.9	1611.9	1611.9	1609.1	1598.1	1587.1	1587.1	1587.1	1578.8
5°	1635.5	1632.1	1629.3	1625.2	1619.7	1610.7	1591.5	1572.2	1564.0	1555.7	1520.7
7.5°	1646.0	1641.6	1636.6	1630.0	1621.8	1609.1	1583.2	1557.4	1520.5	1483.7	1405.5
10°	1641.0	1638.3	1635.5	1630.0	1621.8	1608.0	1577.7	1547.5	1473.2	1398.9	1324.6
12.5°	1636.1	1633.3	1630.6	1624.0	1613.5	1597.5	1565.1	1532.6	1427.5	1322.4	1255.3
15°	1622.4	1617.6	1612.1	1605.2	1597.0	1579.8	1535.8	1491.8	1373.5	1255.2	1198.8
17.5°	1597.5	1593.3	1588.3	1580.4	1569.3	1547.8	1494.4	1441.0	1317.2	1193.4	1157.1
20°	1572.2	1570.2	1567.4	1560.5	1549.5	1526.8	1469.1	1411.3	1287.5	1163.7	1147.2
22.5°	1543.1	1542.1	1541.6	1535.8	1524.8	1500.4	1436.1	1371.7	1250.1	1128.5	1129.0
25°	1493.1	1493.8	1496.6	1489.7	1473.2	1442.2	1368.0	1293.7	1186.4	1079.1	1097.7
27.5°	1439.8	1437.7	1435.0	1428.1	1417.1	1385.4	1291.9	1198.4	1113.6	1028.9	1059.7
30°	1405.1	1403.0	1400.3	1393.4	1382.4	1348.0	1243.5	1138.9	1067.4	995.9	1031.7
32.5°	1365.5	1365.1	1364.5	1359.9	1351.0	1313.4	1189.0	1064.7	1012.9	961.2	998.6
35°	1305.4	1306.1	1306.1	1303.3	1297.8	1255.9	1104.6	953.2	931.2	909.2	953.2
37.5°	1237.3	1240.9	1244.7	1242.5	1234.3	1185.2	1013.5	841.8	849.0	856.1	909.5
40°	1187.8	1194.7	1202.9	1202.9	1194.7	1141.7	954.6	767.5	792.3	817.1	874.8
42.5°	1138.3	1146.8	1157.2	1158.3	1150.1	1097.7	912.8	727.9	754.9	781.9	841.8
45°	1063.3	1072.9	1083.9	1085.3	1077.0	1029.6	864.5	699.5	716.0	732.5	790.2
47.5°	975.4	989.1	1005.7	1007.0	993.3	946.6	801.4	656.1	668.2	680.3	739.5
50°	920.9	934.7	951.2	952.6	938.8	892.7	749.7	606.6	623.1	639.6	701.5
52.5°	856.5	872.0	890.7	894.2	882.7	840.5	706.2	571.9	581.9	591.8	658.6
55°	765.5	782.0	801.2	806.8	798.5	764.1	651.3	538.5	530.3	522.0	590.1
57.5°	669.9	688.7	710.7	717.3	708.5	675.1	567.8	460.5	453.4	446.2	520.0
60°	609.4	629.3	651.3	656.8	645.8	613.5	517.2	420.9	407.2	393.4	470.4
62.5°	549.9	569.9	591.9	595.2	579.8	546.9	461.6	376.3	367.0	357.6	432.5
65°	460.8	480.7	502.8	504.1	484.9	451.9	377.6	303.3	308.8	314.3	381.7
67.5°	373.6	394.5	418.7	419.8	397.8	365.3	301.5	237.7	255.8	274.0	334.7
70°	319.1	338.4	360.4	360.4	338.4	308.1	253.1	198.1	222.8	247.6	303.3
72.5°	265.2	285.6	309.8	309.8	285.6	256.9	215.1	173.3	198.1	222.8	268.6
75°	196.7	214.6	236.6	233.8	206.3	179.5	154.7	130.0	154.7	179.5	214.6
77.5°	131.9	146.5	165.2	162.5	138.2	117.2	105.6	94.1	114.4	134.8	159.3
80°	92.8	105.2	121.7	119.0	97.0	79.8	77.0	74.3	88.0	101.8	119.7
82.5°	62.6	72.2	84.3	82.7	67.3	55.0	52.3	49.5	61.1	72.6	85.0
85°	24.8	28.9	34.4	34.4	28.9	24.8	24.8	24.8	30.3	35.8	41.3
87.5°	10.9	12.3	14.5	14.2	11.1	8.3	6.9	5.8	9.1	12.5	15.0
90°	29.7	28.3	28.3	26.9	22.6	17.0	9.9	4.2	9.9	15.6	25.5
92.5°	35.4	35.1	32.8	30.3	24.9	24.9	24.6	15.6	26.9	38.2	54.9
95°	32.5	32.5	38.2	48.1	70.7	72.2	48.1	43.9	62.3	87.7	110.4
97.5°	88.0	104.7	128.5	133.0	125.9	93.9	90.0	83.8	114.0	139.2	175.7
100°	162.7	183.9	200.9	166.9	131.6	130.2	121.7	118.8	151.4	175.4	210.8
102.5°	254.4	260.9	202.0	182.8	174.6	168.6	155.6	153.9	186.5	219.6	249.3
105°	275.9	247.6	249.0	249.0	243.3	232.0	208.0	206.6	243.3	281.5	318.3
107.5°	324.6	328.8	336.2	334.5	328.0	297.7	269.4	262.9	296.0	341.8	382.3
110°	389.1	393.3	396.1	393.3	383.4	345.2	311.3	301.4	331.1	379.2	423.0



TEST NUMBER: P1435828

CATALOG NUMBER: SQ2W-FA-K-100U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	451.3	454.4	460.7	452.2	435.5	391.6	353.1	338.7	368.4	417.7	462.6
115°	550.4	550.4	551.8	547.5	513.6	468.3	417.4	396.1	421.6	466.9	516.4
117.5°	647.7	649.4	643.7	632.4	593.1	540.5	483.3	449.3	469.4	517.3	568.2
120°	708.8	711.6	706.0	689.0	650.8	591.4	526.3	486.7	502.3	548.9	599.9
122.5°	772.2	771.6	764.8	745.6	700.6	638.9	575.0	526.3	532.8	576.1	625.9
125°	860.2	858.8	853.1	830.5	783.8	720.1	645.2	585.7	577.2	614.0	665.0
127.5°	944.0	940.8	932.1	904.6	856.8	795.4	713.1	645.7	626.8	650.0	696.7
130°	1001.7	997.4	981.9	952.2	905.5	847.5	764.0	687.6	660.7	674.9	715.9
132.5°	1057.1	1045.0	1031.7	999.7	956.4	896.1	811.5	731.7	694.7	700.9	732.9
135°	1127.6	1116.3	1099.3	1068.2	1027.2	967.7	882.8	796.5	745.6	739.9	758.3
137.5°	1189.6	1177.7	1158.4	1131.6	1090.3	1037.3	955.8	864.7	800.5	781.5	788.6
140°	1228.1	1213.9	1196.9	1170.0	1133.3	1078.1	998.9	911.1	839.0	812.1	807.9
142.5°	1259.7	1249.0	1230.9	1206.3	1174.0	1118.8	1041.9	955.3	878.6	843.8	833.9
145°	1307.3	1298.8	1279.0	1256.4	1229.5	1174.3	1103.6	1017.2	940.8	895.6	874.4
147.5°	1347.5	1340.7	1325.1	1298.5	1275.9	1223.0	1158.4	1082.0	1003.7	947.6	920.2
150°	1372.4	1366.7	1351.1	1325.7	1303.0	1253.5	1191.3	1120.5	1045.5	986.1	950.8
152.5°	1396.1	1390.5	1372.6	1347.2	1327.9	1281.8	1225.2	1157.9	1081.8	1022.3	985.8
155°	1427.5	1420.5	1403.5	1379.4	1362.5	1320.0	1267.7	1208.2	1143.2	1080.9	1039.9
157.5°	1452.4	1443.7	1427.8	1407.2	1389.1	1350.0	1304.5	1253.2	1196.4	1136.9	1095.1
160°	1467.2	1457.3	1440.3	1421.9	1404.9	1368.1	1327.1	1280.4	1228.1	1174.3	1129.0
162.5°	1477.3	1468.6	1448.2	1432.1	1417.4	1384.0	1345.2	1303.0	1256.4	1209.4	1167.5
165°	1488.4	1478.5	1457.3	1444.5	1431.8	1403.5	1369.5	1335.6	1296.0	1257.8	1223.8
167.5°	1489.2	1481.0	1459.8	1447.4	1438.0	1413.7	1386.2	1360.2	1329.4	1299.4	1271.1
170°	1487.0	1479.9	1458.7	1447.4	1440.3	1420.5	1396.4	1373.8	1349.7	1324.3	1301.6
172.5°	1479.0	1472.0	1451.9	1442.8	1439.1	1421.6	1402.1	1385.1	1364.4	1345.8	1327.7
175°	1458.7	1453.0	1436.0	1430.4	1431.8	1420.5	1406.3	1396.4	1383.7	1372.4	1362.5
177.5°	1429.0	1425.6	1413.1	1413.1	1417.6	1410.8	1406.3	1401.8	1396.1	1392.7	1389.3
180°	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7

TEST NUMBER: P1435828

CATALOG NUMBER: SQ2W-FA-K-100U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1597.0	1597.0	1597.0	1597.0	1597.0	1597.0	1597.0	1597.0	1597.0	1597.0	1597.0
2.5°	1567.8	1559.0	1552.4	1546.9	1544.7	1542.5	1544.7	1546.9	1552.4	1559.0	1567.8
5°	1476.6	1429.9	1380.3	1339.8	1326.0	1312.3	1326.0	1339.8	1380.3	1429.9	1476.6
7.5°	1313.6	1257.2	1236.3	1219.5	1215.1	1210.7	1215.1	1219.5	1236.3	1257.2	1313.6
10°	1250.4	1205.0	1188.5	1176.1	1176.1	1176.1	1176.1	1176.1	1188.5	1205.0	1250.4
12.5°	1200.8	1173.1	1172.0	1173.9	1184.9	1195.9	1184.9	1173.9	1172.0	1173.1	1200.8
15°	1163.0	1167.1	1211.2	1247.6	1261.4	1275.1	1261.4	1247.6	1211.2	1167.1	1163.0
17.5°	1149.9	1173.6	1228.1	1271.7	1282.7	1293.7	1282.7	1271.7	1228.1	1173.6	1149.9
20°	1166.5	1196.7	1238.0	1271.7	1282.7	1293.7	1282.7	1271.7	1238.0	1196.7	1166.5
22.5°	1170.3	1207.2	1239.6	1266.7	1277.7	1288.7	1277.7	1266.7	1239.6	1207.2	1170.3
25°	1158.2	1202.2	1229.7	1251.7	1257.2	1262.7	1257.2	1251.7	1229.7	1202.2	1158.2
27.5°	1129.0	1177.5	1205.0	1226.6	1230.4	1234.3	1230.4	1226.6	1205.0	1177.5	1129.0
30°	1103.2	1152.7	1180.2	1202.9	1211.2	1219.4	1211.2	1202.9	1180.2	1152.7	1103.2
32.5°	1065.8	1116.4	1150.5	1176.5	1178.1	1179.8	1178.1	1176.5	1150.5	1116.4	1065.8
35°	1019.3	1071.5	1110.1	1138.3	1135.5	1132.8	1135.5	1138.3	1110.1	1071.5	1019.3
37.5°	978.3	1029.4	1063.0	1089.0	1092.3	1095.6	1092.3	1089.0	1063.0	1029.4	978.3
40°	943.6	995.9	1031.7	1059.8	1065.4	1070.9	1065.4	1059.8	1031.7	995.9	943.6
42.5°	912.8	966.2	1001.9	1030.1	1035.6	1041.1	1035.6	1030.1	1001.9	966.2	912.8
45°	861.8	916.8	955.3	984.9	987.6	990.4	987.6	984.9	955.3	916.8	861.8
47.5°	814.3	869.6	905.4	932.9	935.6	938.4	935.6	932.9	905.4	869.6	814.3
50°	778.6	834.9	870.7	898.2	901.0	903.7	901.0	898.2	870.7	834.9	778.6
52.5°	744.4	803.0	834.4	858.6	861.4	864.1	861.4	858.6	834.4	803.0	744.4
55°	683.6	745.5	775.8	798.5	798.5	798.5	798.5	798.5	775.8	745.5	683.6
57.5°	620.6	684.2	710.6	731.2	734.5	737.8	734.5	731.2	710.6	684.2	620.6
60°	577.7	642.4	664.4	682.3	687.8	693.3	687.8	682.3	664.4	642.4	577.7
62.5°	535.4	597.8	619.8	637.1	640.4	643.7	640.4	637.1	619.8	597.8	535.4
65°	469.7	524.8	546.8	564.0	566.7	569.5	566.7	564.0	546.8	524.8	469.7
67.5°	409.5	454.6	470.0	482.1	484.3	486.5	484.3	482.1	470.0	454.6	409.5
70°	369.3	407.8	418.8	427.1	427.1	427.1	427.1	427.1	418.8	407.8	369.3
72.5°	321.5	353.4	364.4	373.2	375.4	377.6	375.4	373.2	364.4	353.4	321.5
75°	253.1	276.5	284.7	291.6	294.4	297.1	294.4	291.6	284.7	276.5	253.1
77.5°	185.1	200.6	205.5	209.9	212.7	215.4	212.7	209.9	205.5	200.6	185.1
80°	138.9	149.9	152.7	155.4	158.2	160.9	158.2	155.4	152.7	149.9	138.9
82.5°	97.7	105.4	108.1	110.3	110.9	111.4	110.9	110.3	108.1	105.4	97.7
85°	46.8	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	46.8
87.5°	16.4	18.4	20.4	21.5	22.6	22.1	22.6	21.5	20.4	18.4	16.4
90°	32.5	42.4	52.3	58.0	63.7	60.8	63.7	58.0	52.3	42.4	32.5
92.5°	65.4	82.1	94.2	104.4	108.9	108.4	108.9	104.4	94.2	82.1	65.4
95°	131.6	151.4	171.2	185.3	193.8	191.0	193.8	185.3	171.2	151.4	131.6
97.5°	202.9	229.5	251.6	264.9	273.3	279.0	273.3	264.9	251.6	229.5	202.9
100°	250.4	275.9	301.4	316.9	331.1	336.7	331.1	316.9	301.4	275.9	250.4
102.5°	288.9	322.3	350.0	366.7	378.6	384.3	378.6	366.7	350.0	322.3	288.9
105°	352.3	387.7	417.4	438.6	451.3	455.6	451.3	438.6	417.4	387.7	352.3
107.5°	415.7	452.2	479.6	503.1	518.7	527.7	518.7	503.1	479.6	452.2	415.7
110°	465.5	495.2	524.9	546.1	561.7	567.3	561.7	546.1	524.9	495.2	465.5



TEST NUMBER: P1435828

CATALOG NUMBER: SQ2W-FA-K-100U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	507.4	540.5	570.2	591.4	609.2	617.1	609.2	591.4	570.2	540.5	507.4
115°	565.9	609.8	636.7	656.5	669.2	676.3	669.2	656.5	636.7	609.8	565.9
117.5°	614.6	660.4	689.9	705.1	711.1	716.2	711.1	705.1	689.9	660.4	614.6
120°	645.2	687.6	721.6	741.4	748.4	751.3	748.4	741.4	721.6	687.6	645.2
122.5°	673.4	713.6	746.5	770.8	782.4	785.2	782.4	770.8	746.5	713.6	673.4
125°	713.1	751.3	785.2	809.3	822.0	829.1	822.0	809.3	785.2	751.3	713.1
127.5°	747.6	788.9	820.0	841.8	854.3	859.9	854.3	841.8	820.0	788.9	747.6
130°	766.8	809.3	840.4	864.4	875.8	881.4	875.8	864.4	840.4	809.3	766.8
132.5°	781.5	826.2	858.5	880.3	892.7	898.4	892.7	880.3	858.5	826.2	781.5
135°	799.4	846.1	880.0	901.2	912.6	918.2	912.6	901.2	880.0	846.1	799.4
137.5°	814.9	857.4	892.7	915.1	925.3	929.0	925.3	915.1	892.7	857.4	814.9
140°	826.2	863.0	898.4	919.6	930.9	932.4	930.9	919.6	898.4	863.0	826.2
142.5°	841.0	869.8	900.7	921.9	933.2	935.8	933.2	921.9	900.7	869.8	841.0
145°	867.3	884.3	905.5	925.3	935.2	938.0	935.2	925.3	905.5	884.3	867.3
147.5°	900.4	905.8	916.8	929.8	939.4	941.4	939.4	929.8	916.8	905.8	900.4
150°	925.3	923.9	928.1	936.6	945.1	943.7	945.1	936.6	928.1	923.9	925.3
152.5°	953.6	945.4	945.1	949.1	953.0	952.7	953.0	949.1	945.1	945.4	953.6
155°	1001.7	986.1	977.6	974.8	974.8	973.4	974.8	974.8	977.6	986.1	1001.7
157.5°	1054.6	1032.8	1020.1	1013.3	1011.3	1008.2	1011.3	1013.3	1020.1	1032.8	1054.6
160°	1090.8	1066.8	1054.0	1042.7	1038.5	1034.2	1038.5	1042.7	1054.0	1066.8	1090.8
162.5°	1124.8	1101.9	1088.0	1077.8	1073.6	1067.1	1073.6	1077.8	1088.0	1101.9	1124.8
165°	1180.0	1155.9	1140.3	1131.8	1126.2	1120.5	1126.2	1131.8	1140.3	1155.9	1180.0
167.5°	1235.1	1208.8	1198.6	1189.0	1183.6	1173.4	1183.6	1189.0	1198.6	1208.8	1235.1
170°	1269.1	1245.0	1239.4	1230.9	1221.0	1209.7	1221.0	1230.9	1239.4	1245.0	1269.1
172.5°	1298.5	1282.4	1276.7	1268.2	1265.1	1256.1	1265.1	1268.2	1276.7	1282.4	1298.5
175°	1341.2	1328.5	1328.5	1327.1	1322.8	1314.4	1322.8	1327.1	1328.5	1328.5	1341.2
177.5°	1376.9	1370.1	1374.6	1374.6	1373.5	1365.6	1373.5	1374.6	1374.6	1370.1	1376.9
180°	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7



TEST NUMBER: P1435828

CATALOG NUMBER: SQ2W-FA-K-100U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1597.0	1597.0	1597.0	1597.0
2.5°	1578.8	1587.1	1587.1	1587.1
5°	1520.7	1555.7	1564.0	1572.2
7.5°	1405.5	1483.7	1520.5	1557.4
10°	1324.6	1398.9	1473.2	1547.5
12.5°	1255.3	1322.4	1427.5	1532.6
15°	1198.8	1255.2	1373.5	1491.8
17.5°	1157.1	1193.4	1317.2	1441.0
20°	1147.2	1163.7	1287.5	1411.3
22.5°	1129.0	1128.5	1250.1	1371.7
25°	1097.7	1079.1	1186.4	1293.7
27.5°	1059.7	1028.9	1113.6	1198.4
30°	1031.7	995.9	1067.4	1138.9
32.5°	998.6	961.2	1012.9	1064.7
35°	953.2	909.2	931.2	953.2
37.5°	909.5	856.1	849.0	841.8
40°	874.8	817.1	792.3	767.5
42.5°	841.8	781.9	754.9	727.9
45°	790.2	732.5	716.0	699.5
47.5°	739.5	680.3	668.2	656.1
50°	701.5	639.6	623.1	606.6
52.5°	658.6	591.8	581.9	571.9
55°	590.1	522.0	530.3	538.5
57.5°	520.0	446.2	453.4	460.5
60°	470.4	393.4	407.2	420.9
62.5°	432.5	357.6	367.0	376.3
65°	381.7	314.3	308.8	303.3
67.5°	334.7	274.0	255.8	237.7
70°	303.3	247.6	222.8	198.1
72.5°	268.6	222.8	198.1	173.3
75°	214.6	179.5	154.7	130.0
77.5°	159.3	134.8	114.4	94.1
80°	119.7	101.8	88.0	74.3
82.5°	85.0	72.6	61.1	49.5
85°	41.3	35.8	30.3	24.8
87.5°	15.0	12.5	9.1	5.8
90°	25.5	15.6	9.9	4.2
92.5°	54.9	38.2	26.9	15.6
95°	110.4	87.7	62.3	43.9
97.5°	175.7	139.2	114.0	83.8
100°	210.8	175.4	151.4	118.8
102.5°	249.3	219.6	186.5	153.9
105°	318.3	281.5	243.3	206.6
107.5°	382.3	341.8	296.0	262.9
110°	423.0	379.2	331.1	301.4



TEST NUMBER: P1435828

CATALOG NUMBER: SQ2W-FA-K-100U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	462.6	417.7	368.4	338.7
115°	516.4	466.9	421.6	396.1
117.5°	568.2	517.3	469.4	449.3
120°	599.9	548.9	502.3	486.7
122.5°	625.9	576.1	532.8	526.3
125°	665.0	614.0	577.2	585.7
127.5°	696.7	650.0	626.8	645.7
130°	715.9	674.9	660.7	687.6
132.5°	732.9	700.9	694.7	731.7
135°	758.3	739.9	745.6	796.5
137.5°	788.6	781.5	800.5	864.7
140°	807.9	812.1	839.0	911.1
142.5°	833.9	843.8	878.6	955.3
145°	874.4	895.6	940.8	1017.2
147.5°	920.2	947.6	1003.7	1082.0
150°	950.8	986.1	1045.5	1120.5
152.5°	985.8	1022.3	1081.8	1157.9
155°	1039.9	1080.9	1143.2	1208.2
157.5°	1095.1	1136.9	1196.4	1253.2
160°	1129.0	1174.3	1228.1	1280.4
162.5°	1167.5	1209.4	1256.4	1303.0
165°	1223.8	1257.8	1296.0	1335.6
167.5°	1271.1	1299.4	1329.4	1360.2
170°	1301.6	1324.3	1349.7	1373.8
172.5°	1327.7	1345.8	1364.4	1385.1
175°	1362.5	1372.4	1383.7	1396.4
177.5°	1389.3	1392.7	1396.1	1401.8
180°	1400.7	1400.7	1400.7	1400.7



TEST NUMBER: P1435828
 CATALOG NUMBER: SQ2W-FA-K-100U-100D-L940-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	17.60	18.45	18.56	19.43	20.71	18.80	19.65	19.76	20.63	21.91
	3H	18.69	19.45	19.66	20.44	21.74	20.04	20.81	21.02	21.79	23.10
	4H	19.04	19.76	20.03	20.75	22.07	20.43	21.15	21.42	22.15	23.46
	6H	19.20	19.87	20.20	20.86	22.19	20.59	21.26	21.59	22.25	23.58
	8H	19.23	19.87	20.24	20.88	22.20	20.62	21.25	21.62	22.26	23.58
	12H	19.23	19.83	20.24	20.84	22.19	20.60	21.20	21.61	22.21	23.56
4H	2H	18.47	19.19	19.46	20.18	21.49	19.38	20.10	20.38	21.10	22.41
	3H	19.85	20.46	20.86	21.48	22.80	20.84	21.45	21.85	22.47	23.79
	4H	20.31	20.86	21.32	21.87	23.22	21.32	21.87	22.33	22.88	24.23
	6H	20.54	21.01	21.56	22.05	23.39	21.54	22.02	22.56	23.05	24.40
	8H	20.60	21.04	21.62	22.07	23.43	21.59	22.03	22.61	23.06	24.42
	12H	20.60	21.00	21.64	22.04	23.41	21.58	21.98	22.62	23.02	24.39
8H	4H	20.69	21.13	21.72	22.16	23.52	21.51	21.96	22.54	22.99	24.35
	6H	21.04	21.41	22.09	22.48	23.84	21.83	22.19	22.88	23.26	24.62
	8H	21.16	21.48	22.22	22.54	23.92	21.92	22.25	22.98	23.30	24.68
	12H	21.20	21.48	22.26	22.53	23.95	21.94	22.22	23.00	23.27	24.69
12H	4H	20.69	21.09	21.74	22.14	23.50	21.48	21.88	22.53	22.93	24.29
	6H	21.11	21.43	22.17	22.49	23.87	21.85	22.17	22.90	23.22	24.60
	8H	21.26	21.54	22.32	22.59	24.01	21.96	22.24	23.02	23.29	24.71