

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: P1428452

Luminaire Tested: SQ2W-PW1-K-125U-075D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428452
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PW1-K-125U-075D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE WAVES LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

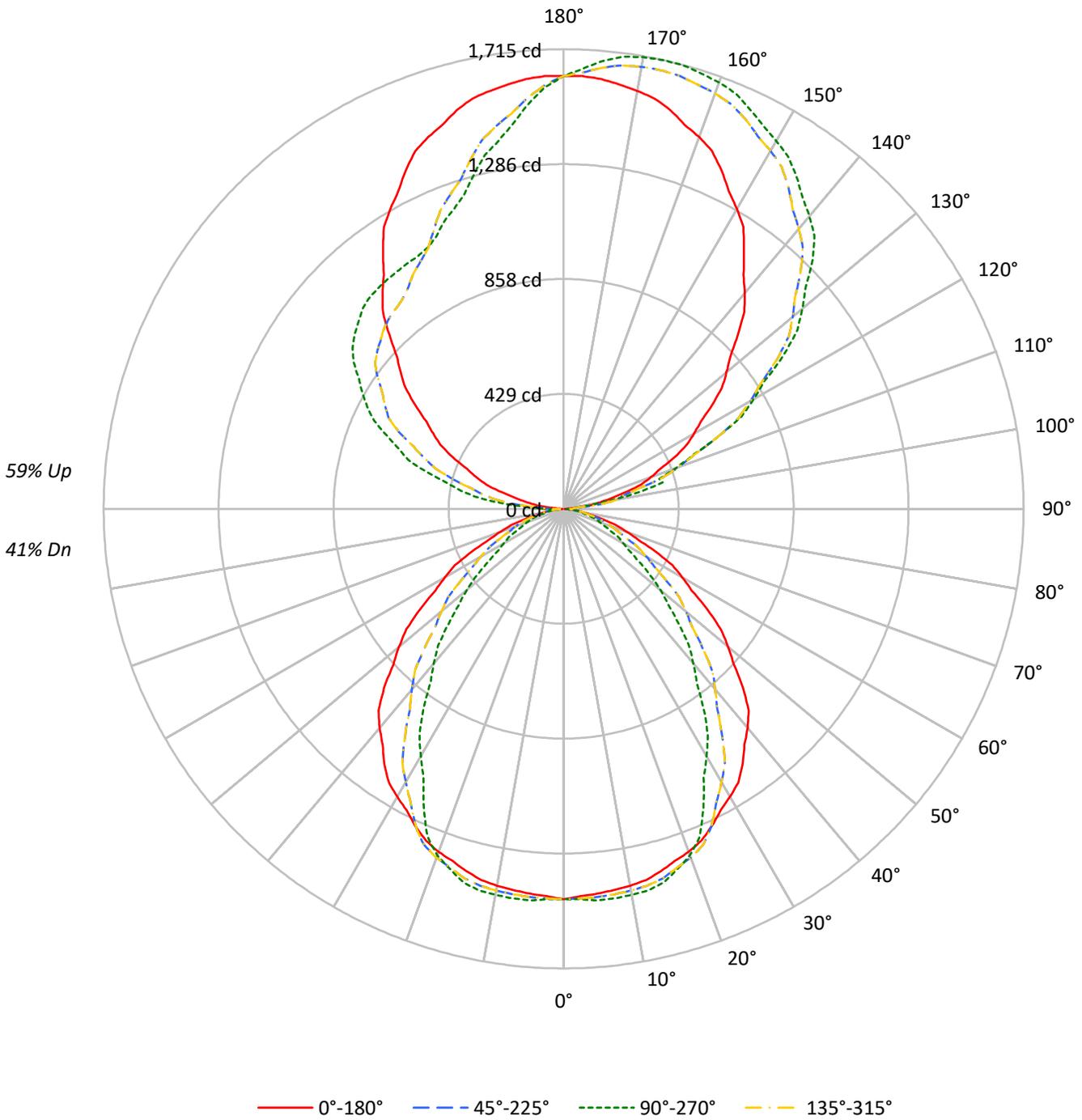
Lumens per Lamp: N/A
Luminaire Lumens: 7954.1 lumens
Efficiency: N/A
Efficacy: 112.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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	0
RCR																		
0	105	105	105	105	96	96	96	96	78	78	78	62	62	62	48	48	48	41
1	96	92	88	85	88	84	81	78	69	67	65	55	54	53	43	42	41	35
2	88	81	75	70	80	74	69	65	61	58	55	49	47	45	38	37	35	30
3	80	71	65	59	73	66	60	55	54	50	46	44	41	38	34	32	31	26
4	74	64	56	50	67	58	52	47	48	44	40	39	36	33	31	29	27	23
5	68	57	49	43	62	52	45	40	44	38	35	35	32	29	28	25	23	20
6	63	51	43	38	57	47	40	35	39	34	30	32	28	26	26	23	21	18
7	58	46	38	33	53	43	36	31	36	31	27	29	26	23	23	21	19	16
8	54	42	34	29	49	39	32	27	33	28	24	27	23	20	22	19	17	14
9	50	38	31	26	46	35	29	25	30	25	21	25	21	18	20	17	15	13
10	47	35	28	23	43	33	26	22	28	23	19	23	19	17	19	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	23521	23521	23521	23521
5°	23364	23770	23364	23770
10°	23407	23975	23407	23975
15°	23401	24120	23401	24120
20°	23410	23649	23410	23649
25°	23284	21974	23284	21974
30°	23125	19866	23125	19866
35°	22945	17940	22945	17940
40°	22489	15850	22489	15850
45°	21607	13844	21607	13844
50°	20109	11848	20109	11848
55°	18395	9607	18395	9607
60°	16488	8289	16488	8289
65°	14418	7369	14418	7369
70°	11787	6680	11787	6680
75°	9176	6145	9176	6145
80°	6834	5421	6834	5421
85°	4631	3075	4631	3075

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 21607 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.7	1.7
10°-20°	402.0	5.1
20°-30°	591.5	7.4
30°-40°	646.7	8.1
40°-50°	580.2	7.3
50°-60°	432.8	5.4
60°-70°	273.5	3.4
70°-80°	135.5	1.7
80°-90°	38.4	0.5
90°-100°	128.5	1.6
100°-110°	374.8	4.7
110°-120°	611.6	7.7
120°-130°	776.1	9.8
130°-140°	830.4	10.4
140°-150°	775.4	9.7
150°-160°	638.1	8.0
160°-170°	427.9	5.4
170°-180°	151.9	1.9
0°-30°	1132.2	14.2
0°-40°	1778.9	22.4
0°-60°	2791.9	35.1
0°-90°	3239.4	40.7
90°-120°	1114.9	14.0
90°-150°	3496.8	44.0
90°-180°	4715.0	59.3
0°-180°	7954.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1457	1457	1457	1457	1457	
5°	1442	1467	1442	1467	1442	137
15°	1400	1443	1400	1443	1400	395
25°	1307	1234	1307	1234	1307	602
35°	1164	910	1164	910	1164	726
45°	946	606	946	606	946	726
55°	654	341	654	341	654	584
65°	377	193	377	193	377	374
75°	147	98	147	98	147	162
85°	25	17	25	17	25	32
90°	5	36	5	70	5	5
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°	1456.8	1456.8	1456.8	1456.8	1456.8	1456.8	1456.8	1456.8	1456.8	1456.8	1456.8
2.5°	1446.9	1455.2	1463.6	1461.7	1456.2	1453.8	1454.3	1455.0	1456.5	1458.0	1456.5
5°	1441.6	1452.1	1462.6	1461.0	1455.5	1453.0	1453.6	1455.5	1461.0	1466.6	1461.0
7.5°	1434.4	1445.0	1455.6	1455.1	1450.9	1449.8	1451.9	1454.9	1460.3	1465.7	1460.3
10°	1427.7	1438.8	1449.9	1449.9	1446.2	1445.9	1449.0	1452.5	1457.5	1462.4	1457.5
12.5°	1418.8	1430.4	1442.0	1442.9	1440.2	1440.6	1444.2	1448.1	1453.0	1458.0	1453.0
15°	1400.0	1412.3	1424.6	1427.2	1426.6	1428.5	1432.8	1436.8	1439.9	1443.0	1439.9
17.5°	1378.0	1390.4	1402.7	1405.1	1404.3	1404.4	1405.5	1406.7	1408.2	1409.7	1408.2
20°	1362.5	1374.8	1387.2	1388.9	1387.0	1383.9	1379.6	1376.4	1376.4	1376.4	1376.4
22.5°	1340.3	1353.6	1366.9	1367.0	1362.7	1354.7	1343.0	1333.2	1329.3	1325.3	1329.3
25°	1307.0	1320.0	1332.9	1326.9	1314.6	1296.4	1272.3	1252.0	1242.7	1233.5	1242.7
27.5°	1268.2	1278.6	1289.1	1273.4	1249.0	1219.7	1185.6	1156.7	1143.9	1131.1	1143.9
30°	1240.4	1248.4	1256.4	1231.6	1195.8	1159.2	1121.5	1090.2	1077.9	1065.6	1077.9
32.5°	1211.5	1214.6	1217.7	1185.0	1140.3	1098.5	1059.4	1026.7	1013.4	1000.1	1013.4
35°	1164.1	1158.5	1153.0	1109.5	1053.4	1005.6	966.1	933.6	921.9	910.2	921.9
37.5°	1108.0	1091.5	1075.0	1026.0	966.2	915.6	874.3	840.1	827.1	814.2	827.1
40°	1067.0	1043.5	1020.1	967.5	905.2	853.5	812.1	777.9	765.0	752.0	765.0
42.5°	1021.5	992.1	962.8	908.7	846.4	794.6	753.3	719.0	705.5	692.1	705.5
45°	946.3	911.7	877.2	820.9	757.4	705.6	665.5	632.2	619.3	606.3	619.3
47.5°	861.6	827.3	793.0	736.9	673.5	622.4	583.6	551.7	540.6	529.5	540.6
50°	800.6	767.3	734.0	680.3	619.9	570.3	531.4	498.9	485.3	471.7	485.3
52.5°	738.4	708.6	678.7	627.0	568.1	518.7	478.9	444.4	425.9	407.4	425.9
55°	653.5	625.1	596.8	548.1	492.6	442.6	398.2	362.3	351.8	341.3	351.8
57.5°	566.1	541.5	517.0	473.2	423.0	377.8	337.4	305.0	296.4	287.8	296.4
60°	510.6	489.0	467.4	425.5	376.8	335.5	301.5	273.9	265.3	256.7	265.3
62.5°	457.3	438.2	419.1	378.9	331.6	294.5	267.5	245.5	238.3	231.2	238.3
65°	377.4	363.2	349.0	315.9	276.4	245.6	223.4	205.2	199.0	192.9	199.0
67.5°	299.7	291.8	283.9	259.1	228.6	203.7	184.2	168.5	164.5	160.4	164.5
70°	249.7	247.3	244.8	224.3	197.8	176.5	160.5	147.7	144.6	141.5	144.6
72.5°	206.5	207.4	208.4	191.4	168.3	150.5	137.9	128.0	125.9	123.8	125.9
75°	147.1	152.0	156.9	145.7	129.0	116.4	107.8	101.0	99.7	98.5	99.7
77.5°	100.2	107.6	115.0	107.7	95.5	86.1	79.7	74.7	73.7	72.7	73.7
80°	73.5	80.9	88.3	83.2	74.0	66.9	62.0	58.3	58.3	58.3	58.3
82.5°	51.3	57.3	63.2	59.6	52.8	48.2	45.7	43.8	43.8	43.8	43.8
85°	25.0	28.1	31.1	30.1	27.6	24.5	20.8	17.9	17.3	16.6	17.3
87.5°	7.6	10.4	13.5	13.4	11.9	10.7	10.2	10.2	10.5	10.5	10.5
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°	1456.8	1456.8	1456.8	1456.8	1456.8	1456.8	1456.8	1456.8	1456.8	1456.8	1456.8
2.5°	1455.0	1454.3	1453.8	1456.2	1461.7	1463.6	1455.2	1446.9	1455.2	1463.6	1461.7
5°	1455.5	1453.6	1453.0	1455.5	1461.0	1462.6	1452.1	1441.6	1452.1	1462.6	1461.0
7.5°	1454.9	1451.9	1449.8	1450.9	1455.1	1455.6	1445.0	1434.4	1445.0	1455.6	1455.1
10°	1452.5	1449.0	1445.9	1446.2	1449.9	1449.9	1438.8	1427.7	1438.8	1449.9	1449.9
12.5°	1448.1	1444.2	1440.6	1440.2	1442.9	1442.0	1430.4	1418.8	1430.4	1442.0	1442.9
15°	1436.8	1432.8	1428.5	1426.6	1427.2	1424.6	1412.3	1400.0	1412.3	1424.6	1427.2
17.5°	1406.7	1405.5	1404.4	1404.3	1405.1	1402.7	1390.4	1378.0	1390.4	1402.7	1405.1
20°	1376.4	1379.6	1383.9	1387.0	1388.9	1387.2	1374.8	1362.5	1374.8	1387.2	1388.9
22.5°	1333.2	1343.0	1354.7	1362.7	1367.0	1366.9	1353.6	1340.3	1353.6	1366.9	1367.0
25°	1252.0	1272.3	1296.4	1314.6	1326.9	1332.9	1320.0	1307.0	1320.0	1332.9	1326.9
27.5°	1156.7	1185.6	1219.7	1249.0	1273.4	1289.1	1278.6	1268.2	1278.6	1289.1	1273.4
30°	1090.2	1121.5	1159.2	1195.8	1231.6	1256.4	1248.4	1240.4	1248.4	1256.4	1231.6
32.5°	1026.7	1059.4	1098.5	1140.3	1185.0	1217.7	1214.6	1211.5	1214.6	1217.7	1185.0
35°	933.6	966.1	1005.6	1053.4	1109.5	1153.0	1158.5	1164.1	1158.5	1153.0	1109.5
37.5°	840.1	874.3	915.6	966.2	1026.0	1075.0	1091.5	1108.0	1091.5	1075.0	1026.0
40°	777.9	812.1	853.5	905.2	967.5	1020.1	1043.5	1067.0	1043.5	1020.1	967.5
42.5°	719.0	753.3	794.6	846.4	908.7	962.8	992.1	1021.5	992.1	962.8	908.7
45°	632.2	665.5	705.6	757.4	820.9	877.2	911.7	946.3	911.7	877.2	820.9
47.5°	551.7	583.6	622.4	673.5	736.9	793.0	827.3	861.6	827.3	793.0	736.9
50°	498.9	531.4	570.3	619.9	680.3	734.0	767.3	800.6	767.3	734.0	680.3
52.5°	444.4	478.9	518.7	568.1	627.0	678.7	708.6	738.4	708.6	678.7	627.0
55°	362.3	398.2	442.6	492.6	548.1	596.8	625.1	653.5	625.1	596.8	548.1
57.5°	305.0	337.4	377.8	423.0	473.2	517.0	541.5	566.1	541.5	517.0	473.2
60°	273.9	301.5	335.5	376.8	425.5	467.4	489.0	510.6	489.0	467.4	425.5
62.5°	245.5	267.5	294.5	331.6	378.9	419.1	438.2	457.3	438.2	419.1	378.9
65°	205.2	223.4	245.6	276.4	315.9	349.0	363.2	377.4	363.2	349.0	315.9
67.5°	168.5	184.2	203.7	228.6	259.1	283.9	291.8	299.7	291.8	283.9	259.1
70°	147.7	160.5	176.5	197.8	224.3	244.8	247.3	249.7	247.3	244.8	224.3
72.5°	128.0	137.9	150.5	168.3	191.4	208.4	207.4	206.5	207.4	208.4	191.4
75°	101.0	107.8	116.4	129.0	145.7	156.9	152.0	147.1	152.0	156.9	145.7
77.5°	74.7	79.7	86.1	95.5	107.7	115.0	107.6	100.2	107.6	115.0	107.7
80°	58.3	62.0	66.9	74.0	83.2	88.3	80.9	73.5	80.9	88.3	83.2
82.5°	43.8	45.7	48.2	52.8	59.6	63.2	57.3	51.3	57.3	63.2	59.6
85°	17.9	20.8	24.5	27.6	30.1	31.1	28.1	25.0	28.1	31.1	30.1
87.5°	10.2	10.2	10.7	11.9	13.4	13.5	10.4	7.6	10.4	13.2	14.0
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: P1428452

CATALOG NUMBER: SQ2W-PW1-K-125U-075D-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: P1428452

CATALOG NUMBER: SQ2W-PW1-K-125U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1456.8	1456.8	1456.8	1456.8	1456.8	1456.8	1456.8	1456.8	1456.8	1456.8	1456.8
2.5°	1456.2	1453.8	1454.3	1455.0	1456.5	1458.0	1456.5	1455.0	1454.3	1453.8	1456.2
5°	1455.5	1453.0	1453.6	1455.5	1461.0	1466.6	1461.0	1455.5	1453.6	1453.0	1455.5
7.5°	1450.9	1449.8	1451.9	1454.9	1460.3	1465.7	1460.3	1454.9	1451.9	1449.8	1450.9
10°	1446.2	1445.9	1449.0	1452.5	1457.5	1462.4	1457.5	1452.5	1449.0	1445.9	1446.2
12.5°	1440.2	1440.6	1444.2	1448.1	1453.0	1458.0	1453.0	1448.1	1444.2	1440.6	1440.2
15°	1426.6	1428.5	1432.8	1436.8	1439.9	1443.0	1439.9	1436.8	1432.8	1428.5	1426.6
17.5°	1404.3	1404.4	1405.5	1406.7	1408.2	1409.7	1408.2	1406.7	1405.5	1404.4	1404.3
20°	1387.0	1383.9	1379.6	1376.4	1376.4	1376.4	1376.4	1376.4	1379.6	1383.9	1387.0
22.5°	1362.7	1354.7	1343.0	1333.2	1329.3	1325.3	1329.3	1333.2	1343.0	1354.7	1362.7
25°	1314.6	1296.4	1272.3	1252.0	1242.7	1233.5	1242.7	1252.0	1272.3	1296.4	1314.6
27.5°	1249.0	1219.7	1185.6	1156.7	1143.9	1131.1	1143.9	1156.7	1185.6	1219.7	1249.0
30°	1195.8	1159.2	1121.5	1090.2	1077.9	1065.6	1077.9	1090.2	1121.5	1159.2	1195.8
32.5°	1140.3	1098.5	1059.4	1026.7	1013.4	1000.1	1013.4	1026.7	1059.4	1098.5	1140.3
35°	1053.4	1005.6	966.1	933.6	921.9	910.2	921.9	933.6	966.1	1005.6	1053.4
37.5°	966.2	915.6	874.3	840.1	827.1	814.2	827.1	840.1	874.3	915.6	966.2
40°	905.2	853.5	812.1	777.9	765.0	752.0	765.0	777.9	812.1	853.5	905.2
42.5°	846.4	794.6	753.3	719.0	705.5	692.1	705.5	719.0	753.3	794.6	846.4
45°	757.4	705.6	665.5	632.2	619.3	606.3	619.3	632.2	665.5	705.6	757.4
47.5°	673.5	622.4	583.6	551.7	540.6	529.5	540.6	551.7	583.6	622.4	673.5
50°	619.9	570.3	531.4	498.9	485.3	471.7	485.3	498.9	531.4	570.3	619.9
52.5°	568.1	518.7	478.9	444.4	425.9	407.4	425.9	444.4	478.9	518.7	568.1
55°	492.6	442.6	398.2	362.3	351.8	341.3	351.8	362.3	398.2	442.6	492.6
57.5°	423.0	377.8	337.4	305.0	296.4	287.8	296.4	305.0	337.4	377.8	423.0
60°	376.8	335.5	301.5	273.9	265.3	256.7	265.3	273.9	301.5	335.5	376.8
62.5°	331.6	294.5	267.5	245.5	238.3	231.2	238.3	245.5	267.5	294.5	331.6
65°	276.4	245.6	223.4	205.2	199.0	192.9	199.0	205.2	223.4	245.6	276.4
67.5°	228.6	203.7	184.2	168.5	164.5	160.4	164.5	168.5	184.2	203.7	228.6
70°	197.8	176.5	160.5	147.7	144.6	141.5	144.6	147.7	160.5	176.5	197.8
72.5°	168.3	150.5	137.9	128.0	125.9	123.8	125.9	128.0	137.9	150.5	168.3
75°	129.0	116.4	107.8	101.0	99.7	98.5	99.7	101.0	107.8	116.4	129.0
77.5°	95.5	86.1	79.7	74.7	73.7	72.7	73.7	74.7	79.7	86.1	95.5
80°	74.0	66.9	62.0	58.3	58.3	58.3	58.3	58.3	62.0	66.9	74.0
82.5°	52.8	48.2	45.7	43.8	43.8	43.8	43.8	43.8	45.7	48.2	52.8
85°	27.6	24.5	20.8	17.9	17.3	16.6	17.3	17.9	20.8	24.5	27.6
87.5°	13.2	14.0	15.8	16.7	18.0	17.4	18.0	16.7	15.8	14.0	13.2
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: P1428452

CATALOG NUMBER: SQ2W-PW1-K-125U-075D-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: P1428452

CATALOG NUMBER: SQ2W-PW1-K-125U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1456.8	1456.8	1456.8	1456.8
2.5°	1461.7	1463.6	1455.2	1446.9
5°	1461.0	1462.6	1452.1	1441.6
7.5°	1455.1	1455.6	1445.0	1434.4
10°	1449.9	1449.9	1438.8	1427.7
12.5°	1442.9	1442.0	1430.4	1418.8
15°	1427.2	1424.6	1412.3	1400.0
17.5°	1405.1	1402.7	1390.4	1378.0
20°	1388.9	1387.2	1374.8	1362.5
22.5°	1367.0	1366.9	1353.6	1340.3
25°	1326.9	1332.9	1320.0	1307.0
27.5°	1273.4	1289.1	1278.6	1268.2
30°	1231.6	1256.4	1248.4	1240.4
32.5°	1185.0	1217.7	1214.6	1211.5
35°	1109.5	1153.0	1158.5	1164.1
37.5°	1026.0	1075.0	1091.5	1108.0
40°	967.5	1020.1	1043.5	1067.0
42.5°	908.7	962.8	992.1	1021.5
45°	820.9	877.2	911.7	946.3
47.5°	736.9	793.0	827.3	861.6
50°	680.3	734.0	767.3	800.6
52.5°	627.0	678.7	708.6	738.4
55°	548.1	596.8	625.1	653.5
57.5°	473.2	517.0	541.5	566.1
60°	425.5	467.4	489.0	510.6
62.5°	378.9	419.1	438.2	457.3
65°	315.9	349.0	363.2	377.4
67.5°	259.1	283.9	291.8	299.7
70°	224.3	244.8	247.3	249.7
72.5°	191.4	208.4	207.4	206.5
75°	145.7	156.9	152.0	147.1
77.5°	107.7	115.0	107.6	100.2
80°	83.2	88.3	80.9	73.5
82.5°	59.6	63.2	57.3	51.3
85°	30.1	31.1	28.1	25.0
87.5°	14.0	13.2	10.4	7.6
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: P1428452

CATALOG NUMBER: SQ2W-PW1-K-125U-075D-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: P1428452
 CATALOG NUMBER: SQ2W-PW1-K-125U-075D-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	16.95	17.71	17.99	18.75	20.15	13.20	13.95	14.24	14.99	16.39
	3H	18.24	18.92	19.29	19.97	21.39	14.46	15.13	15.51	16.18	17.61
	4H	18.65	19.29	19.71	20.34	21.77	14.96	15.60	16.02	16.65	18.08
	6H	18.82	19.41	19.89	20.47	21.90	15.26	15.85	16.34	16.91	18.35
	8H	18.86	19.42	19.94	20.49	21.93	15.38	15.93	16.45	17.01	18.44
	12H	18.86	19.39	19.94	20.46	21.91	15.40	15.93	16.48	17.00	18.45
4H	2H	17.07	17.71	18.14	18.76	20.19	13.99	14.63	15.06	15.69	17.11
	3H	18.60	19.13	19.67	20.21	21.65	15.43	15.96	16.51	17.04	18.48
	4H	19.14	19.63	20.22	20.70	22.16	16.01	16.49	17.09	17.56	19.02
	6H	19.45	19.86	20.54	20.96	22.41	16.39	16.80	17.47	17.90	19.35
	8H	19.54	19.92	20.62	21.01	22.48	16.53	16.92	17.62	18.01	19.48
	12H	19.55	19.90	20.66	21.00	22.48	16.57	16.92	17.68	18.02	19.50
8H	4H	19.17	19.56	20.26	20.65	22.12	16.34	16.73	17.43	17.82	19.29
	6H	19.59	19.91	20.70	21.04	22.51	16.83	17.15	17.94	18.28	19.75
	8H	19.76	20.04	20.88	21.15	22.64	17.05	17.33	18.17	18.44	19.93
	12H	19.83	20.08	20.95	21.19	22.71	17.13	17.38	18.25	18.48	20.01
12H	4H	19.13	19.48	20.23	20.58	22.05	16.36	16.71	17.46	17.81	19.28
	6H	19.58	19.86	20.70	20.97	22.46	16.91	17.19	18.02	18.30	19.79
	8H	19.77	20.02	20.89	21.12	22.65	17.15	17.39	18.27	18.50	20.02