

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: P1428446

Luminaire Tested: SQ2W-PW1-K-125U-050D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428446
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-050D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE WAVES LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

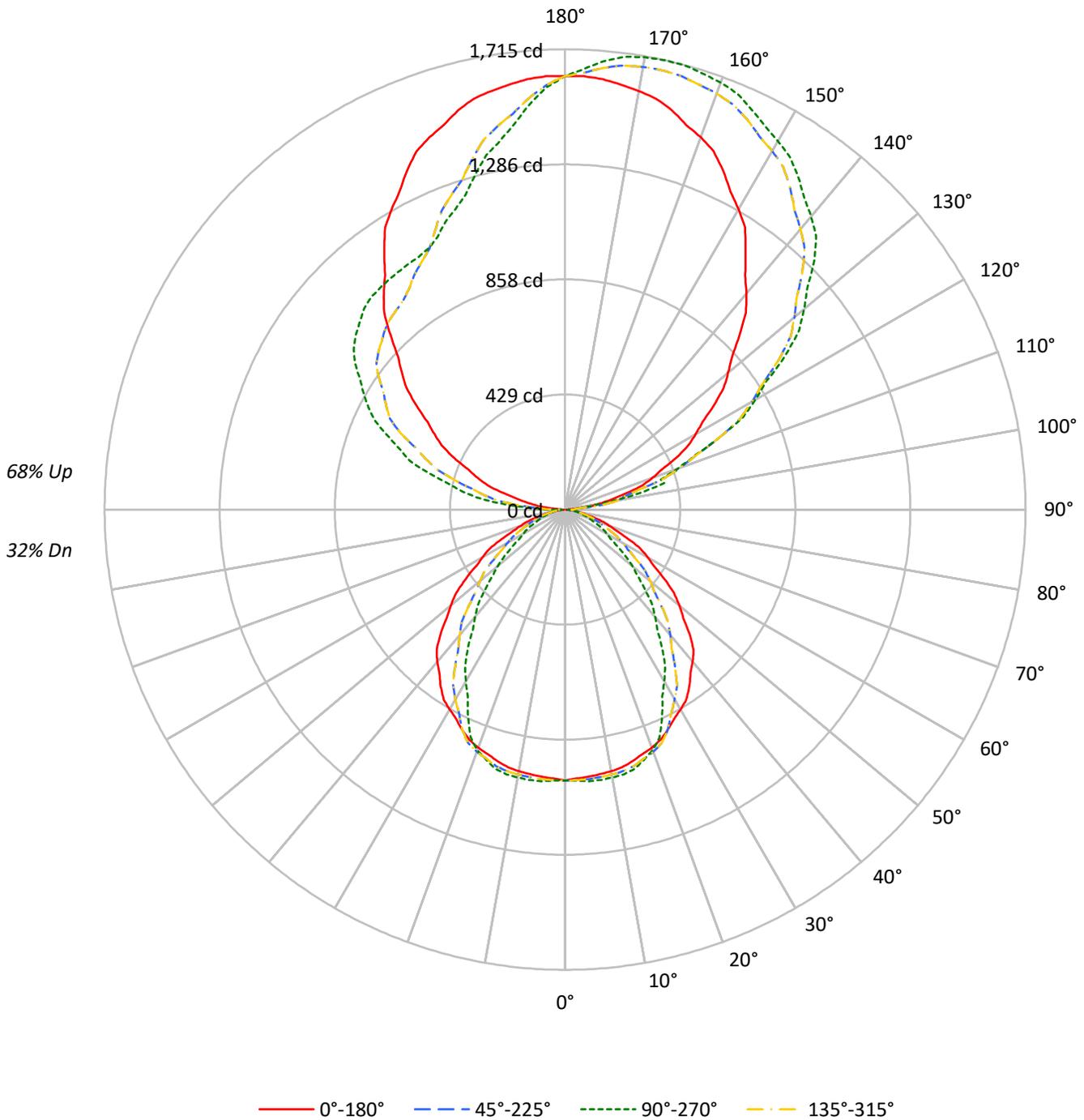
Lumens per Lamp: N/A
Luminaire Lumens: 6962.3 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 61.8
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	103	103	103	103	93	93	93	93	73	73	73	56	56	56	40	40	40	32
1	94	90	86	83	85	81	78	75	65	63	61	50	48	47	36	35	34	28
2	86	79	73	68	77	71	67	62	57	54	51	44	42	40	32	31	29	24
3	79	70	63	57	71	63	57	53	51	47	43	39	36	34	29	27	25	21
4	72	62	54	49	65	56	50	45	45	41	37	35	32	29	26	24	22	18
5	66	55	47	42	59	50	43	39	41	36	32	32	28	26	23	21	20	16
6	61	49	42	36	55	45	38	33	37	32	28	29	25	23	21	19	17	14
7	56	45	37	32	51	41	34	29	33	28	25	26	23	20	19	17	15	13
8	52	40	33	28	47	37	30	26	30	25	22	24	20	18	18	16	14	11
9	49	37	30	25	44	34	27	23	28	23	20	22	19	16	17	14	13	10
10	45	34	27	22	41	31	25	21	25	21	18	20	17	15	15	13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16305	16305	16305	16305
5°	16196	16476	16196	16476
10°	16226	16619	16226	16619
15°	16222	16720	16222	16720
20°	16228	16393	16228	16393
25°	16140	15232	16140	15232
30°	16031	13772	16031	13772
35°	15906	12435	15906	12435
40°	15588	10987	15588	10987
45°	14979	9597	14979	9597
50°	13940	8214	13940	8214
55°	12751	6660	12751	6660
60°	11428	5745	11428	5745
65°	9994	5108	9994	5108
70°	8171	4631	8171	4631
75°	6363	4261	6363	4261
80°	4742	3756	4742	3756
85°	3205	2130	3205	2130

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14979 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.2	1.4
10°-20°	278.6	4.0
20°-30°	410.0	5.9
30°-40°	448.3	6.4
40°-50°	402.2	5.8
50°-60°	300.0	4.3
60°-70°	189.6	2.7
70°-80°	93.9	1.3
80°-90°	28.7	0.4
90°-100°	128.5	1.8
100°-110°	374.8	5.4
110°-120°	611.6	8.8
120°-130°	776.1	11.1
130°-140°	830.4	11.9
140°-150°	775.4	11.1
150°-160°	638.1	9.2
160°-170°	427.9	6.1
170°-180°	151.9	2.2
0°-30°	784.8	11.3
0°-40°	1233.2	17.7
0°-60°	1935.4	27.8
0°-90°	2247.6	32.3
90°-120°	1114.9	16.0
90°-150°	3496.8	50.2
90°-180°	4715.0	67.7
0°-180°	6962.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1010	1010	1010	1010	1010	
5°	999	1017	999	1017	999	95
15°	970	1000	970	1000	970	274
25°	906	855	906	855	906	417
35°	807	631	807	631	807	503
45°	656	420	656	420	656	503
55°	453	237	453	237	453	405
65°	262	134	262	134	262	259
75°	102	68	102	68	102	112
85°	17	12	17	12	17	22
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°	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9
2.5°	1003.0	1008.8	1014.6	1013.2	1009.5	1007.8	1008.1	1008.6	1009.6	1010.7	1009.6
5°	999.3	1006.6	1013.9	1012.8	1008.9	1007.2	1007.7	1008.9	1012.8	1016.6	1012.8
7.5°	994.3	1001.7	1009.0	1008.7	1005.8	1005.0	1006.5	1008.5	1012.3	1016.1	1012.3
10°	989.7	997.4	1005.1	1005.1	1002.5	1002.3	1004.4	1006.9	1010.3	1013.7	1010.3
12.5°	983.5	991.6	999.6	1000.2	998.3	998.6	1001.1	1003.8	1007.2	1010.7	1007.2
15°	970.5	979.0	987.6	989.4	989.0	990.2	993.2	996.0	998.1	1000.3	998.1
17.5°	955.3	963.8	972.4	974.1	973.5	973.5	974.3	975.1	976.2	977.2	976.2
20°	944.5	953.0	961.6	962.8	961.5	959.4	956.4	954.1	954.1	954.1	954.1
22.5°	929.1	938.3	947.6	947.6	944.6	939.1	931.0	924.2	921.5	918.7	921.5
25°	906.0	915.0	924.0	919.8	911.3	898.6	882.0	867.9	861.5	855.0	861.5
27.5°	879.1	886.4	893.6	882.7	865.8	845.5	821.8	801.8	793.0	784.1	793.0
30°	859.9	865.4	871.0	853.8	829.0	803.5	777.5	755.8	747.2	738.7	747.2
32.5°	839.9	842.0	844.1	821.4	790.5	761.5	734.4	711.7	702.5	693.3	702.5
35°	807.0	803.1	799.3	769.1	730.2	697.1	669.7	647.2	639.1	630.9	639.1
37.5°	768.1	756.6	745.2	711.2	669.8	634.7	606.1	582.3	573.4	564.4	573.4
40°	739.6	723.4	707.1	670.7	627.5	591.6	563.0	539.3	530.3	521.3	530.3
42.5°	708.1	687.7	667.4	629.9	586.7	550.8	522.2	498.4	489.1	479.8	489.1
45°	656.0	632.0	608.1	569.1	525.0	489.1	461.3	438.3	429.3	420.3	429.3
47.5°	597.3	573.5	549.7	510.8	466.9	431.5	404.5	382.4	374.7	367.0	374.7
50°	555.0	531.9	508.8	471.6	429.7	395.3	368.4	345.8	336.4	327.0	336.4
52.5°	511.9	491.2	470.5	434.7	393.8	359.6	332.0	308.0	295.2	282.4	295.2
55°	453.0	433.3	413.7	379.9	341.4	306.8	276.0	251.1	243.9	236.6	243.9
57.5°	392.4	375.4	358.4	328.0	293.2	261.9	233.9	211.4	205.5	199.5	205.5
60°	353.9	339.0	324.0	295.0	261.2	232.5	209.0	189.9	183.9	177.9	183.9
62.5°	317.0	303.8	290.5	262.6	229.9	204.2	185.4	170.2	165.2	160.2	165.2
65°	261.6	251.8	241.9	219.0	191.6	170.2	154.9	142.2	138.0	133.7	138.0
67.5°	207.8	202.3	196.8	179.6	158.5	141.2	127.7	116.8	114.0	111.2	114.0
70°	173.1	171.4	169.7	155.5	137.1	122.4	111.2	102.4	100.2	98.1	100.2
72.5°	143.1	143.8	144.5	132.7	116.7	104.3	95.6	88.7	87.2	85.8	87.2
75°	102.0	105.4	108.8	101.0	89.4	80.7	74.7	70.0	69.1	68.3	69.1
77.5°	69.4	74.6	79.7	74.6	66.2	59.7	55.3	51.8	51.1	50.4	51.1
80°	51.0	56.1	61.2	57.7	51.3	46.4	43.0	40.4	40.4	40.4	40.4
82.5°	35.6	39.7	43.8	41.3	36.6	33.4	31.7	30.4	30.4	30.4	30.4
85°	17.3	19.4	21.6	20.8	19.1	17.0	14.4	12.4	12.0	11.5	12.0
87.5°	5.6	7.9	10.6	10.9	10.1	9.4	9.1	9.2	9.5	9.5	9.5
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°	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9
2.5°	1008.6	1008.1	1007.8	1009.5	1013.2	1014.6	1008.8	1003.0	1008.8	1014.6	1013.2
5°	1008.9	1007.7	1007.2	1008.9	1012.8	1013.9	1006.6	999.3	1006.6	1013.9	1012.8
7.5°	1008.5	1006.5	1005.0	1005.8	1008.7	1009.0	1001.7	994.3	1001.7	1009.0	1008.7
10°	1006.9	1004.4	1002.3	1002.5	1005.1	1005.1	997.4	989.7	997.4	1005.1	1005.1
12.5°	1003.8	1001.1	998.6	998.3	1000.2	999.6	991.6	983.5	991.6	999.6	1000.2
15°	996.0	993.2	990.2	989.0	989.4	987.6	979.0	970.5	979.0	987.6	989.4
17.5°	975.1	974.3	973.5	973.5	974.1	972.4	963.8	955.3	963.8	972.4	974.1
20°	954.1	956.4	959.4	961.5	962.8	961.6	953.0	944.5	953.0	961.6	962.8
22.5°	924.2	931.0	939.1	944.6	947.6	947.6	938.3	929.1	938.3	947.6	947.6
25°	867.9	882.0	898.6	911.3	919.8	924.0	915.0	906.0	915.0	924.0	919.8
27.5°	801.8	821.8	845.5	865.8	882.7	893.6	886.4	879.1	886.4	893.6	882.7
30°	755.8	777.5	803.5	829.0	853.8	871.0	865.4	859.9	865.4	871.0	853.8
32.5°	711.7	734.4	761.5	790.5	821.4	844.1	842.0	839.9	842.0	844.1	821.4
35°	647.2	669.7	697.1	730.2	769.1	799.3	803.1	807.0	803.1	799.3	769.1
37.5°	582.3	606.1	634.7	669.8	711.2	745.2	756.6	768.1	756.6	745.2	711.2
40°	539.3	563.0	591.6	627.5	670.7	707.1	723.4	739.6	723.4	707.1	670.7
42.5°	498.4	522.2	550.8	586.7	629.9	667.4	687.7	708.1	687.7	667.4	629.9
45°	438.3	461.3	489.1	525.0	569.1	608.1	632.0	656.0	632.0	608.1	569.1
47.5°	382.4	404.5	431.5	466.9	510.8	549.7	573.5	597.3	573.5	549.7	510.8
50°	345.8	368.4	395.3	429.7	471.6	508.8	531.9	555.0	531.9	508.8	471.6
52.5°	308.0	332.0	359.6	393.8	434.7	470.5	491.2	511.9	491.2	470.5	434.7
55°	251.1	276.0	306.8	341.4	379.9	413.7	433.3	453.0	433.3	413.7	379.9
57.5°	211.4	233.9	261.9	293.2	328.0	358.4	375.4	392.4	375.4	358.4	328.0
60°	189.9	209.0	232.5	261.2	295.0	324.0	339.0	353.9	339.0	324.0	295.0
62.5°	170.2	185.4	204.2	229.9	262.6	290.5	303.8	317.0	303.8	290.5	262.6
65°	142.2	154.9	170.2	191.6	219.0	241.9	251.8	261.6	251.8	241.9	219.0
67.5°	116.8	127.7	141.2	158.5	179.6	196.8	202.3	207.8	202.3	196.8	179.6
70°	102.4	111.2	122.4	137.1	155.5	169.7	171.4	173.1	171.4	169.7	155.5
72.5°	88.7	95.6	104.3	116.7	132.7	144.5	143.8	143.1	143.8	144.5	132.7
75°	70.0	74.7	80.7	89.4	101.0	108.8	105.4	102.0	105.4	108.8	101.0
77.5°	51.8	55.3	59.7	66.2	74.6	79.7	74.6	69.4	74.6	79.7	74.6
80°	40.4	43.0	46.4	51.3	57.7	61.2	56.1	51.0	56.1	61.2	57.7
82.5°	30.4	31.7	33.4	36.6	41.3	43.8	39.7	35.6	39.7	43.8	41.3
85°	12.4	14.4	17.0	19.1	20.8	21.6	19.4	17.3	19.4	21.6	20.8
87.5°	9.2	9.1	9.4	10.1	10.9	10.6	7.9	5.6	7.9	10.3	11.5
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: P1428446

CATALOG NUMBER: SQ2W-PW1-K-125U-050D-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: P1428446

CATALOG NUMBER: SQ2W-PW1-K-125U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9	1009.9
2.5°	1009.5	1007.8	1008.1	1008.6	1009.6	1010.7	1009.6	1008.6	1008.1	1007.8	1009.5
5°	1008.9	1007.2	1007.7	1008.9	1012.8	1016.6	1012.8	1008.9	1007.7	1007.2	1008.9
7.5°	1005.8	1005.0	1006.5	1008.5	1012.3	1016.1	1012.3	1008.5	1006.5	1005.0	1005.8
10°	1002.5	1002.3	1004.4	1006.9	1010.3	1013.7	1010.3	1006.9	1004.4	1002.3	1002.5
12.5°	998.3	998.6	1001.1	1003.8	1007.2	1010.7	1007.2	1003.8	1001.1	998.6	998.3
15°	989.0	990.2	993.2	996.0	998.1	1000.3	998.1	996.0	993.2	990.2	989.0
17.5°	973.5	973.5	974.3	975.1	976.2	977.2	976.2	975.1	974.3	973.5	973.5
20°	961.5	959.4	956.4	954.1	954.1	954.1	954.1	954.1	956.4	959.4	961.5
22.5°	944.6	939.1	931.0	924.2	921.5	918.7	921.5	924.2	931.0	939.1	944.6
25°	911.3	898.6	882.0	867.9	861.5	855.0	861.5	867.9	882.0	898.6	911.3
27.5°	865.8	845.5	821.8	801.8	793.0	784.1	793.0	801.8	821.8	845.5	865.8
30°	829.0	803.5	777.5	755.8	747.2	738.7	747.2	755.8	777.5	803.5	829.0
32.5°	790.5	761.5	734.4	711.7	702.5	693.3	702.5	711.7	734.4	761.5	790.5
35°	730.2	697.1	669.7	647.2	639.1	630.9	639.1	647.2	669.7	697.1	730.2
37.5°	669.8	634.7	606.1	582.3	573.4	564.4	573.4	582.3	606.1	634.7	669.8
40°	627.5	591.6	563.0	539.3	530.3	521.3	530.3	539.3	563.0	591.6	627.5
42.5°	586.7	550.8	522.2	498.4	489.1	479.8	489.1	498.4	522.2	550.8	586.7
45°	525.0	489.1	461.3	438.3	429.3	420.3	429.3	438.3	461.3	489.1	525.0
47.5°	466.9	431.5	404.5	382.4	374.7	367.0	374.7	382.4	404.5	431.5	466.9
50°	429.7	395.3	368.4	345.8	336.4	327.0	336.4	345.8	368.4	395.3	429.7
52.5°	393.8	359.6	332.0	308.0	295.2	282.4	295.2	308.0	332.0	359.6	393.8
55°	341.4	306.8	276.0	251.1	243.9	236.6	243.9	251.1	276.0	306.8	341.4
57.5°	293.2	261.9	233.9	211.4	205.5	199.5	205.5	211.4	233.9	261.9	293.2
60°	261.2	232.5	209.0	189.9	183.9	177.9	183.9	189.9	209.0	232.5	261.2
62.5°	229.9	204.2	185.4	170.2	165.2	160.2	165.2	170.2	185.4	204.2	229.9
65°	191.6	170.2	154.9	142.2	138.0	133.7	138.0	142.2	154.9	170.2	191.6
67.5°	158.5	141.2	127.7	116.8	114.0	111.2	114.0	116.8	127.7	141.2	158.5
70°	137.1	122.4	111.2	102.4	100.2	98.1	100.2	102.4	111.2	122.4	137.1
72.5°	116.7	104.3	95.6	88.7	87.2	85.8	87.2	88.7	95.6	104.3	116.7
75°	89.4	80.7	74.7	70.0	69.1	68.3	69.1	70.0	74.7	80.7	89.4
77.5°	66.2	59.7	55.3	51.8	51.1	50.4	51.1	51.8	55.3	59.7	66.2
80°	51.3	46.4	43.0	40.4	40.4	40.4	40.4	40.4	43.0	46.4	51.3
82.5°	36.6	33.4	31.7	30.4	30.4	30.4	30.4	30.4	31.7	33.4	36.6
85°	19.1	17.0	14.4	12.4	12.0	11.5	12.0	12.4	14.4	17.0	19.1
87.5°	11.4	12.7	14.6	15.7	17.0	16.3	17.0	15.7	14.6	12.7	11.4
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: P1428446

CATALOG NUMBER: SQ2W-PW1-K-125U-050D-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: P1428446

CATALOG NUMBER: SQ2W-PW1-K-125U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1009.9	1009.9	1009.9	1009.9
2.5°	1013.2	1014.6	1008.8	1003.0
5°	1012.8	1013.9	1006.6	999.3
7.5°	1008.7	1009.0	1001.7	994.3
10°	1005.1	1005.1	997.4	989.7
12.5°	1000.2	999.6	991.6	983.5
15°	989.4	987.6	979.0	970.5
17.5°	974.1	972.4	963.8	955.3
20°	962.8	961.6	953.0	944.5
22.5°	947.6	947.6	938.3	929.1
25°	919.8	924.0	915.0	906.0
27.5°	882.7	893.6	886.4	879.1
30°	853.8	871.0	865.4	859.9
32.5°	821.4	844.1	842.0	839.9
35°	769.1	799.3	803.1	807.0
37.5°	711.2	745.2	756.6	768.1
40°	670.7	707.1	723.4	739.6
42.5°	629.9	667.4	687.7	708.1
45°	569.1	608.1	632.0	656.0
47.5°	510.8	549.7	573.5	597.3
50°	471.6	508.8	531.9	555.0
52.5°	434.7	470.5	491.2	511.9
55°	379.9	413.7	433.3	453.0
57.5°	328.0	358.4	375.4	392.4
60°	295.0	324.0	339.0	353.9
62.5°	262.6	290.5	303.8	317.0
65°	219.0	241.9	251.8	261.6
67.5°	179.6	196.8	202.3	207.8
70°	155.5	169.7	171.4	173.1
72.5°	132.7	144.5	143.8	143.1
75°	101.0	108.8	105.4	102.0
77.5°	74.6	79.7	74.6	69.4
80°	57.7	61.2	56.1	51.0
82.5°	41.3	43.8	39.7	35.6
85°	20.8	21.6	19.4	17.3
87.5°	11.5	10.3	7.9	5.6
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: P1428446

CATALOG NUMBER: SQ2W-PW1-K-125U-050D-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: P1428446
 CATALOG NUMBER: SQ2W-PW1-K-125U-050D-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	14.68	15.38	15.78	16.47	17.98	10.92	11.63	12.03	12.72	14.23
	3H	15.97	16.59	17.08	17.70	19.22	12.18	12.81	13.29	13.91	15.43
	4H	16.37	16.96	17.49	18.07	19.59	12.68	13.27	13.80	14.38	15.91
	6H	16.54	17.09	17.67	18.19	19.73	12.98	13.53	14.11	14.63	16.17
	8H	16.58	17.10	17.71	18.22	19.75	13.09	13.61	14.22	14.73	16.27
	12H	16.57	17.07	17.71	18.18	19.74	13.12	13.61	14.25	14.72	16.28
4H	2H	14.79	15.38	15.92	16.49	18.02	11.72	12.31	12.84	13.41	14.94
	3H	16.31	16.81	17.45	17.94	19.48	13.15	13.64	14.28	14.77	16.31
	4H	16.85	17.31	17.99	18.43	19.99	13.72	14.17	14.86	15.29	16.85
	6H	17.16	17.54	18.30	18.69	20.24	14.09	14.48	15.24	15.63	17.18
	8H	17.24	17.61	18.39	18.74	20.31	14.24	14.60	15.38	15.74	17.31
	12H	17.26	17.59	18.42	18.73	20.31	14.28	14.61	15.44	15.75	17.32
8H	4H	16.88	17.24	18.02	18.38	19.95	14.05	14.41	15.19	15.55	17.12
	6H	17.30	17.60	18.46	18.77	20.34	14.54	14.84	15.70	16.01	17.58
	8H	17.47	17.73	18.64	18.88	20.47	14.76	15.02	15.93	16.17	17.76
	12H	17.54	17.77	18.71	18.92	20.54	14.83	15.06	16.01	16.22	17.84
12H	4H	16.83	17.16	17.99	18.31	19.88	14.06	14.39	15.22	15.54	17.11
	6H	17.29	17.55	18.46	18.71	20.29	14.61	14.87	15.78	16.03	17.62
	8H	17.47	17.70	18.65	18.86	20.48	14.85	15.08	16.02	16.23	17.85