

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: P1428278

Luminaire Tested: SQ2W-PR1-K-125U-050D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428278
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PR1-K-125U-050D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE RIPPLE 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

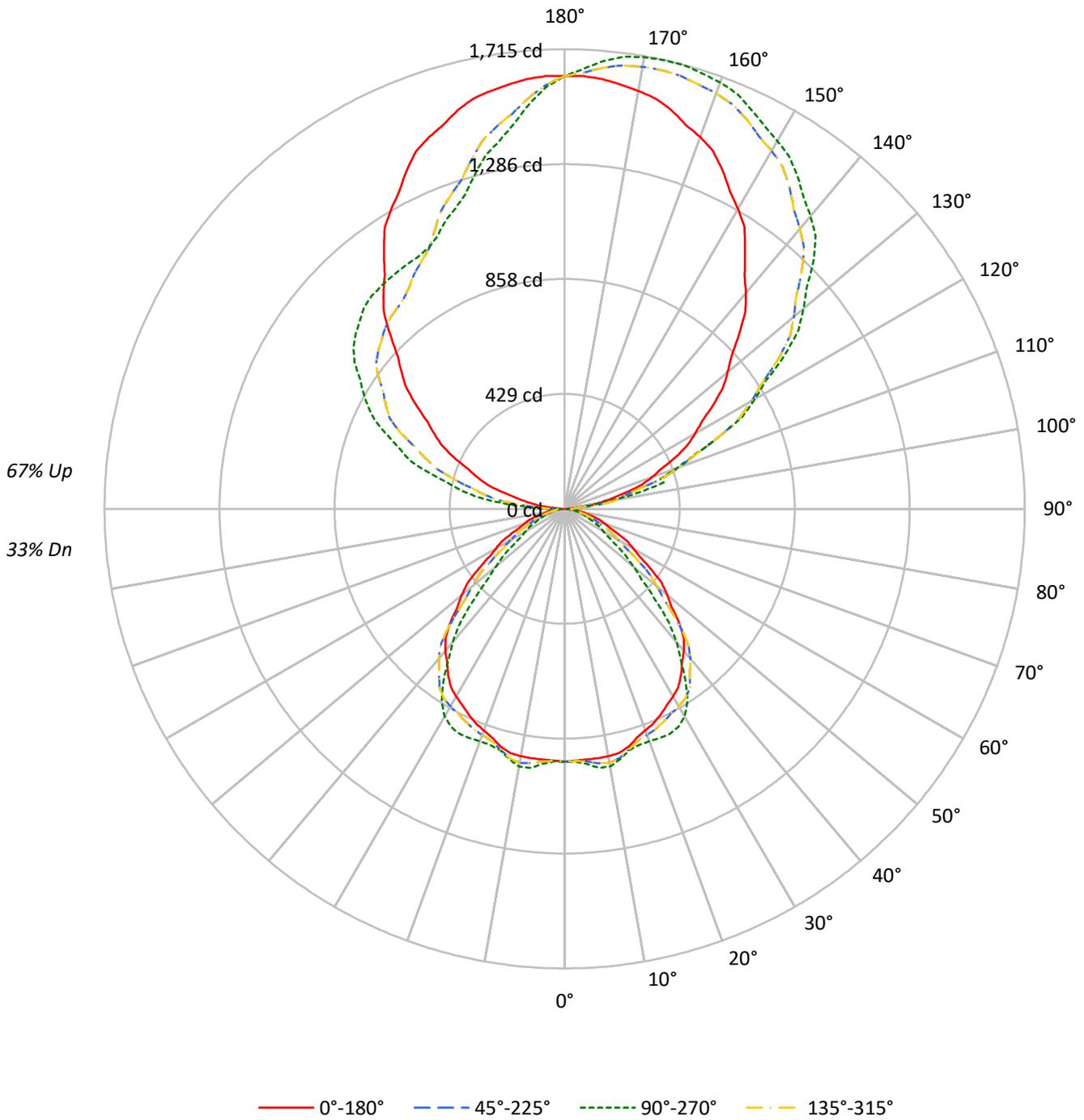
Lumens per Lamp: N/A
Luminaire Lumens: 6991.3 lumens
Efficiency: N/A
Efficacy: 113.1 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

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	74	74	74	56	56	56	40	40	40	33
1	94	90	87	83	85	81	78	76	65	63	61	50	49	47	36	35	35	28
2	86	79	73	69	77	72	67	63	57	54	51	44	42	40	32	31	30	24
3	79	70	63	58	71	63	57	53	51	47	43	39	37	34	29	27	26	21
4	72	62	55	49	65	56	50	45	45	41	37	35	32	30	26	24	22	18
5	66	55	48	42	60	50	44	39	41	36	32	32	28	26	23	21	20	16
6	61	50	42	36	55	45	38	34	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	20	17	16	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	14	15	13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15233	15233	15233	15233
5°	15214	15494	15214	15494
10°	15375	16004	15375	16004
15°	15370	15578	15370	15578
20°	15122	15864	15122	15864
25°	15078	16518	15078	16518
30°	15062	16676	15062	16676
35°	14919	15526	14919	15526
40°	14574	13664	14574	13664
45°	13791	10805	13791	10805
50°	12539	8382	12539	8382
55°	11020	6525	11020	6525
60°	9536	5373	9536	5373
65°	8229	4703	8229	4703
70°	7402	4178	7402	4178
75°	6781	3843	6781	3843
80°	5904	3756	5904	3756
85°	4279	1778	4279	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14807 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.1	1.3
10°-20°	263.8	3.8
20°-30°	407.8	5.8
30°-40°	490.4	7.0
40°-50°	440.3	6.3
50°-60°	295.1	4.2
60°-70°	171.6	2.5
70°-80°	88.2	1.3
80°-90°	28.4	0.4
90°-100°	128.5	1.8
100°-110°	374.8	5.4
110°-120°	611.6	8.7
120°-130°	776.1	11.1
130°-140°	830.4	11.9
140°-150°	775.4	11.1
150°-160°	638.1	9.1
160°-170°	427.9	6.1
170°-180°	151.9	2.2
0°-30°	762.7	10.9
0°-40°	1253.0	17.9
0°-60°	1988.4	28.4
0°-90°	2276.6	32.6
90°-120°	1114.9	15.9
90°-150°	3496.8	50.0
90°-180°	4715.0	67.4
0°-180°	6991.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	944	944	944	944	944	
5°	939	956	939	956	939	90
15°	920	932	920	932	920	258
25°	846	927	846	927	846	390
35°	757	788	757	788	757	472
45°	604	473	604	473	604	462
55°	392	232	392	232	392	352
65°	215	123	215	123	215	218
75°	109	62	109	62	109	115
85°	23	10	23	10	23	29
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°	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5
2.5°	939.7	944.8	949.9	947.6	942.8	940.6	941.0	941.5	942.5	943.5	942.5
5°	938.7	946.0	953.3	951.5	946.8	944.9	945.8	947.5	951.8	956.0	951.8
7.5°	938.5	948.9	959.2	960.0	957.6	957.7	960.1	963.4	969.1	974.7	969.1
10°	937.8	950.2	962.6	964.4	962.7	962.0	962.4	964.3	970.2	976.2	970.2
12.5°	933.1	947.6	962.0	960.5	953.7	950.0	949.4	949.7	953.0	956.2	953.0
15°	919.5	936.6	953.7	946.7	931.8	924.9	926.2	927.7	929.9	932.0	929.9
17.5°	895.4	913.3	931.2	924.9	910.7	905.8	910.4	915.0	919.1	923.3	919.1
20°	880.1	897.6	915.1	910.8	899.3	896.5	902.5	908.8	916.1	923.3	916.1
22.5°	866.2	883.7	901.3	898.5	889.0	888.5	896.9	905.6	915.6	925.6	915.6
25°	846.4	861.8	877.2	877.5	872.8	877.5	891.6	905.0	916.1	927.2	916.1
27.5°	825.6	834.7	843.7	849.7	854.7	866.7	885.8	902.0	909.8	917.6	909.8
30°	807.9	813.9	819.9	831.0	843.8	858.6	875.2	888.5	891.5	894.5	891.5
32.5°	788.7	792.3	795.9	811.5	831.2	845.4	854.2	859.9	856.0	852.2	856.0
35°	756.9	759.9	762.9	782.9	808.6	818.0	811.1	804.0	795.8	787.7	795.8
37.5°	719.2	725.4	731.5	747.8	767.5	767.3	747.3	730.0	720.7	711.4	720.7
40°	691.5	701.8	712.1	723.0	734.1	724.7	694.7	669.6	658.9	648.3	658.9
42.5°	657.7	674.1	690.5	692.9	690.7	670.5	632.4	600.6	587.5	574.4	587.5
45°	604.0	626.2	648.5	635.8	611.4	578.5	537.0	502.3	487.7	473.2	487.7
47.5°	540.7	563.6	586.4	562.4	522.8	484.5	447.5	416.3	402.7	389.1	402.7
50°	499.2	517.6	535.9	508.8	466.5	428.0	393.4	363.7	348.7	333.7	348.7
52.5°	456.9	470.1	483.4	456.5	416.2	378.8	344.1	314.8	301.2	287.6	301.2
55°	391.5	398.3	405.1	380.2	344.8	310.6	277.6	250.6	241.2	231.8	241.2
57.5°	331.4	335.8	340.2	316.6	283.6	253.2	225.3	202.6	195.6	188.7	195.6
60°	295.3	298.3	301.3	277.3	244.4	217.0	195.2	177.5	171.9	166.4	171.9
62.5°	262.2	264.5	266.8	243.7	212.2	187.7	170.4	156.3	152.1	147.9	152.1
65°	215.4	217.6	219.7	200.1	173.1	153.0	139.8	129.1	126.1	123.1	126.1
67.5°	178.3	179.4	180.5	164.3	142.4	126.2	115.7	107.2	104.4	101.6	104.4
70°	156.8	157.2	157.6	143.3	124.1	109.8	100.3	92.8	90.6	88.5	90.6
72.5°	137.5	136.9	136.3	123.6	106.7	94.4	86.8	80.6	79.2	77.7	79.2
75°	108.7	107.4	106.1	95.5	81.9	72.5	67.3	63.3	62.4	61.6	62.4
77.5°	81.2	79.8	78.4	69.6	58.3	51.9	50.1	48.9	48.9	48.9	48.9
80°	63.5	61.8	60.1	53.2	44.7	40.4	40.4	40.4	40.4	40.4	40.4
82.5°	47.3	44.9	42.5	38.3	33.6	31.2	31.2	31.1	30.7	30.4	30.7
85°	23.1	20.9	18.8	18.3	18.3	17.0	14.4	12.2	10.9	9.6	10.9
87.5°	7.1	8.4	10.1	10.1	9.4	8.8	8.8	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°	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5
2.5°	941.5	941.0	940.6	942.8	947.6	949.9	944.8	939.7	944.8	949.9	947.6
5°	947.5	945.8	944.9	946.8	951.5	953.3	946.0	938.7	946.0	953.3	951.5
7.5°	963.4	960.1	957.7	957.6	960.0	959.2	948.9	938.5	948.9	959.2	960.0
10°	964.3	962.4	962.0	962.7	964.4	962.6	950.2	937.8	950.2	962.6	964.4
12.5°	949.7	949.4	950.0	953.7	960.5	962.0	947.6	933.1	947.6	962.0	960.5
15°	927.7	926.2	924.9	931.8	946.7	953.7	936.6	919.5	936.6	953.7	946.7
17.5°	915.0	910.4	905.8	910.7	924.9	931.2	913.3	895.4	913.3	931.2	924.9
20°	908.8	902.5	896.5	899.3	910.8	915.1	897.6	880.1	897.6	915.1	910.8
22.5°	905.6	896.9	888.5	889.0	898.5	901.3	883.7	866.2	883.7	901.3	898.5
25°	905.0	891.6	877.5	872.8	877.5	877.2	861.8	846.4	861.8	877.2	877.5
27.5°	902.0	885.8	866.7	854.7	849.7	843.7	834.7	825.6	834.7	843.7	849.7
30°	888.5	875.2	858.6	843.8	831.0	819.9	813.9	807.9	813.9	819.9	831.0
32.5°	859.9	854.2	845.4	831.2	811.5	795.9	792.3	788.7	792.3	795.9	811.5
35°	804.0	811.1	818.0	808.6	782.9	762.9	759.9	756.9	759.9	762.9	782.9
37.5°	730.0	747.3	767.3	767.5	747.8	731.5	725.4	719.2	725.4	731.5	747.8
40°	669.6	694.7	724.7	734.1	723.0	712.1	701.8	691.5	701.8	712.1	723.0
42.5°	600.6	632.4	670.5	690.7	692.9	690.5	674.1	657.7	674.1	690.5	692.9
45°	502.3	537.0	578.5	611.4	635.8	648.5	626.2	604.0	626.2	648.5	635.8
47.5°	416.3	447.5	484.5	522.8	562.4	586.4	563.6	540.7	563.6	586.4	562.4
50°	363.7	393.4	428.0	466.5	508.8	535.9	517.6	499.2	517.6	535.9	508.8
52.5°	314.8	344.1	378.8	416.2	456.5	483.4	470.1	456.9	470.1	483.4	456.5
55°	250.6	277.6	310.6	344.8	380.2	405.1	398.3	391.5	398.3	405.1	380.2
57.5°	202.6	225.3	253.2	283.6	316.6	340.2	335.8	331.4	335.8	340.2	316.6
60°	177.5	195.2	217.0	244.4	277.3	301.3	298.3	295.3	298.3	301.3	277.3
62.5°	156.3	170.4	187.7	212.2	243.7	266.8	264.5	262.2	264.5	266.8	243.7
65°	129.1	139.8	153.0	173.1	200.1	219.7	217.6	215.4	217.6	219.7	200.1
67.5°	107.2	115.7	126.2	142.4	164.3	180.5	179.4	178.3	179.4	180.5	164.3
70°	92.8	100.3	109.8	124.1	143.3	157.6	157.2	156.8	157.2	157.6	143.3
72.5°	80.6	86.8	94.4	106.7	123.6	136.3	136.9	137.5	136.9	136.3	123.6
75°	63.3	67.3	72.5	81.9	95.5	106.1	107.4	108.7	107.4	106.1	95.5
77.5°	48.9	50.1	51.9	58.3	69.6	78.4	79.8	81.2	79.8	78.4	69.6
80°	40.4	40.4	40.4	44.7	53.2	60.1	61.8	63.5	61.8	60.1	53.2
82.5°	31.1	31.2	31.2	33.6	38.3	42.5	44.9	47.3	44.9	42.5	38.3
85°	12.2	14.4	17.0	18.3	18.3	18.8	20.9	23.1	20.9	18.8	18.3
87.5°	9.2	8.8	8.8	9.4	10.1	10.1	8.4	7.1	8.4	9.7	10.7
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: P1428278

CATALOG NUMBER: SQ2W-PR1-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: P1428278

CATALOG NUMBER: SQ2W-PR1-K-125U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5
2.5°	942.8	940.6	941.0	941.5	942.5	943.5	942.5	941.5	941.0	940.6	942.8
5°	946.8	944.9	945.8	947.5	951.8	956.0	951.8	947.5	945.8	944.9	946.8
7.5°	957.6	957.7	960.1	963.4	969.1	974.7	969.1	963.4	960.1	957.7	957.6
10°	962.7	962.0	962.4	964.3	970.2	976.2	970.2	964.3	962.4	962.0	962.7
12.5°	953.7	950.0	949.4	949.7	953.0	956.2	953.0	949.7	949.4	950.0	953.7
15°	931.8	924.9	926.2	927.7	929.9	932.0	929.9	927.7	926.2	924.9	931.8
17.5°	910.7	905.8	910.4	915.0	919.1	923.3	919.1	915.0	910.4	905.8	910.7
20°	899.3	896.5	902.5	908.8	916.1	923.3	916.1	908.8	902.5	896.5	899.3
22.5°	889.0	888.5	896.9	905.6	915.6	925.6	915.6	905.6	896.9	888.5	889.0
25°	872.8	877.5	891.6	905.0	916.1	927.2	916.1	905.0	891.6	877.5	872.8
27.5°	854.7	866.7	885.8	902.0	909.8	917.6	909.8	902.0	885.8	866.7	854.7
30°	843.8	858.6	875.2	888.5	891.5	894.5	891.5	888.5	875.2	858.6	843.8
32.5°	831.2	845.4	854.2	859.9	856.0	852.2	856.0	859.9	854.2	845.4	831.2
35°	808.6	818.0	811.1	804.0	795.8	787.7	795.8	804.0	811.1	818.0	808.6
37.5°	767.5	767.3	747.3	730.0	720.7	711.4	720.7	730.0	747.3	767.3	767.5
40°	734.1	724.7	694.7	669.6	658.9	648.3	658.9	669.6	694.7	724.7	734.1
42.5°	690.7	670.5	632.4	600.6	587.5	574.4	587.5	600.6	632.4	670.5	690.7
45°	611.4	578.5	537.0	502.3	487.7	473.2	487.7	502.3	537.0	578.5	611.4
47.5°	522.8	484.5	447.5	416.3	402.7	389.1	402.7	416.3	447.5	484.5	522.8
50°	466.5	428.0	393.4	363.7	348.7	333.7	348.7	363.7	393.4	428.0	466.5
52.5°	416.2	378.8	344.1	314.8	301.2	287.6	301.2	314.8	344.1	378.8	416.2
55°	344.8	310.6	277.6	250.6	241.2	231.8	241.2	250.6	277.6	310.6	344.8
57.5°	283.6	253.2	225.3	202.6	195.6	188.7	195.6	202.6	225.3	253.2	283.6
60°	244.4	217.0	195.2	177.5	171.9	166.4	171.9	177.5	195.2	217.0	244.4
62.5°	212.2	187.7	170.4	156.3	152.1	147.9	152.1	156.3	170.4	187.7	212.2
65°	173.1	153.0	139.8	129.1	126.1	123.1	126.1	129.1	139.8	153.0	173.1
67.5°	142.4	126.2	115.7	107.2	104.4	101.6	104.4	107.2	115.7	126.2	142.4
70°	124.1	109.8	100.3	92.8	90.6	88.5	90.6	92.8	100.3	109.8	124.1
72.5°	106.7	94.4	86.8	80.6	79.2	77.7	79.2	80.6	86.8	94.4	106.7
75°	81.9	72.5	67.3	63.3	62.4	61.6	62.4	63.3	67.3	72.5	81.9
77.5°	58.3	51.9	50.1	48.9	48.9	48.9	48.9	48.9	50.1	51.9	58.3
80°	44.7	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	44.7
82.5°	33.6	31.2	31.2	31.1	30.7	30.4	30.7	31.1	31.2	31.2	33.6
85°	18.3	17.0	14.4	12.2	10.9	9.6	10.9	12.2	14.4	17.0	18.3
87.5°	10.7	12.1	14.4	15.7	17.0	16.3	17.0	15.7	14.4	12.1	10.7
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: P1428278

CATALOG NUMBER: SQ2W-PR1-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: P1428278

CATALOG NUMBER: SQ2W-PR1-K-125U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	943.5	943.5	943.5	943.5
2.5°	947.6	949.9	944.8	939.7
5°	951.5	953.3	946.0	938.7
7.5°	960.0	959.2	948.9	938.5
10°	964.4	962.6	950.2	937.8
12.5°	960.5	962.0	947.6	933.1
15°	946.7	953.7	936.6	919.5
17.5°	924.9	931.2	913.3	895.4
20°	910.8	915.1	897.6	880.1
22.5°	898.5	901.3	883.7	866.2
25°	877.5	877.2	861.8	846.4
27.5°	849.7	843.7	834.7	825.6
30°	831.0	819.9	813.9	807.9
32.5°	811.5	795.9	792.3	788.7
35°	782.9	762.9	759.9	756.9
37.5°	747.8	731.5	725.4	719.2
40°	723.0	712.1	701.8	691.5
42.5°	692.9	690.5	674.1	657.7
45°	635.8	648.5	626.2	604.0
47.5°	562.4	586.4	563.6	540.7
50°	508.8	535.9	517.6	499.2
52.5°	456.5	483.4	470.1	456.9
55°	380.2	405.1	398.3	391.5
57.5°	316.6	340.2	335.8	331.4
60°	277.3	301.3	298.3	295.3
62.5°	243.7	266.8	264.5	262.2
65°	200.1	219.7	217.6	215.4
67.5°	164.3	180.5	179.4	178.3
70°	143.3	157.6	157.2	156.8
72.5°	123.6	136.3	136.9	137.5
75°	95.5	106.1	107.4	108.7
77.5°	69.6	78.4	79.8	81.2
80°	53.2	60.1	61.8	63.5
82.5°	38.3	42.5	44.9	47.3
85°	18.3	18.8	20.9	23.1
87.5°	10.7	9.7	8.4	7.1
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: P1428278

CATALOG NUMBER: SQ2W-PR1-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: P1428278
 CATALOG NUMBER: SQ2W-PR1-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	14.23	14.94	15.33	16.03	17.53	10.60	11.31	11.70	12.40	13.90
	3H	15.43	16.05	16.54	17.16	18.68	11.75	12.38	12.86	13.48	15.00
	4H	15.91	16.50	17.02	17.60	19.13	12.21	12.80	13.33	13.90	15.43
	6H	16.20	16.74	17.32	17.85	19.38	12.54	13.09	13.67	14.19	15.73
	8H	16.29	16.81	17.42	17.93	19.46	12.68	13.19	13.81	14.31	15.85
	12H	16.33	16.82	17.46	17.93	19.49	12.70	13.19	13.84	14.31	15.86
4H	2H	14.32	14.91	15.44	16.01	17.54	11.29	11.89	12.42	12.99	14.52
	3H	15.76	16.26	16.89	17.38	18.92	12.63	13.13	13.77	14.26	15.79
	4H	16.38	16.84	17.52	17.96	19.51	13.17	13.63	14.31	14.74	16.30
	6H	16.81	17.20	17.95	18.34	19.89	13.60	13.99	14.74	15.13	16.68
	8H	16.96	17.32	18.10	18.46	20.02	13.78	14.14	14.92	15.27	16.84
	12H	17.02	17.35	18.18	18.49	20.06	13.82	14.15	14.98	15.29	16.86
8H	4H	16.40	16.76	17.54	17.89	19.46	13.49	13.85	14.63	14.98	16.55
	6H	16.93	17.22	18.09	18.40	19.96	14.03	14.32	15.19	15.50	17.06
	8H	17.16	17.42	18.33	18.57	20.16	14.29	14.55	15.45	15.70	17.28
	12H	17.27	17.50	18.44	18.65	20.27	14.37	14.60	15.54	15.75	17.37
12H	4H	16.35	16.68	17.51	17.82	19.39	13.50	13.83	14.66	14.97	16.54
	6H	16.92	17.18	18.08	18.33	19.91	14.10	14.36	15.26	15.51	17.09
	8H	17.16	17.39	18.33	18.54	20.16	14.38	14.61	15.55	15.76	17.38