

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: P1428551

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

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428551
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2104-222-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-WBM-K-125U-050D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - WHITE DISCREET BAFFLE, MEDIUM 80-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

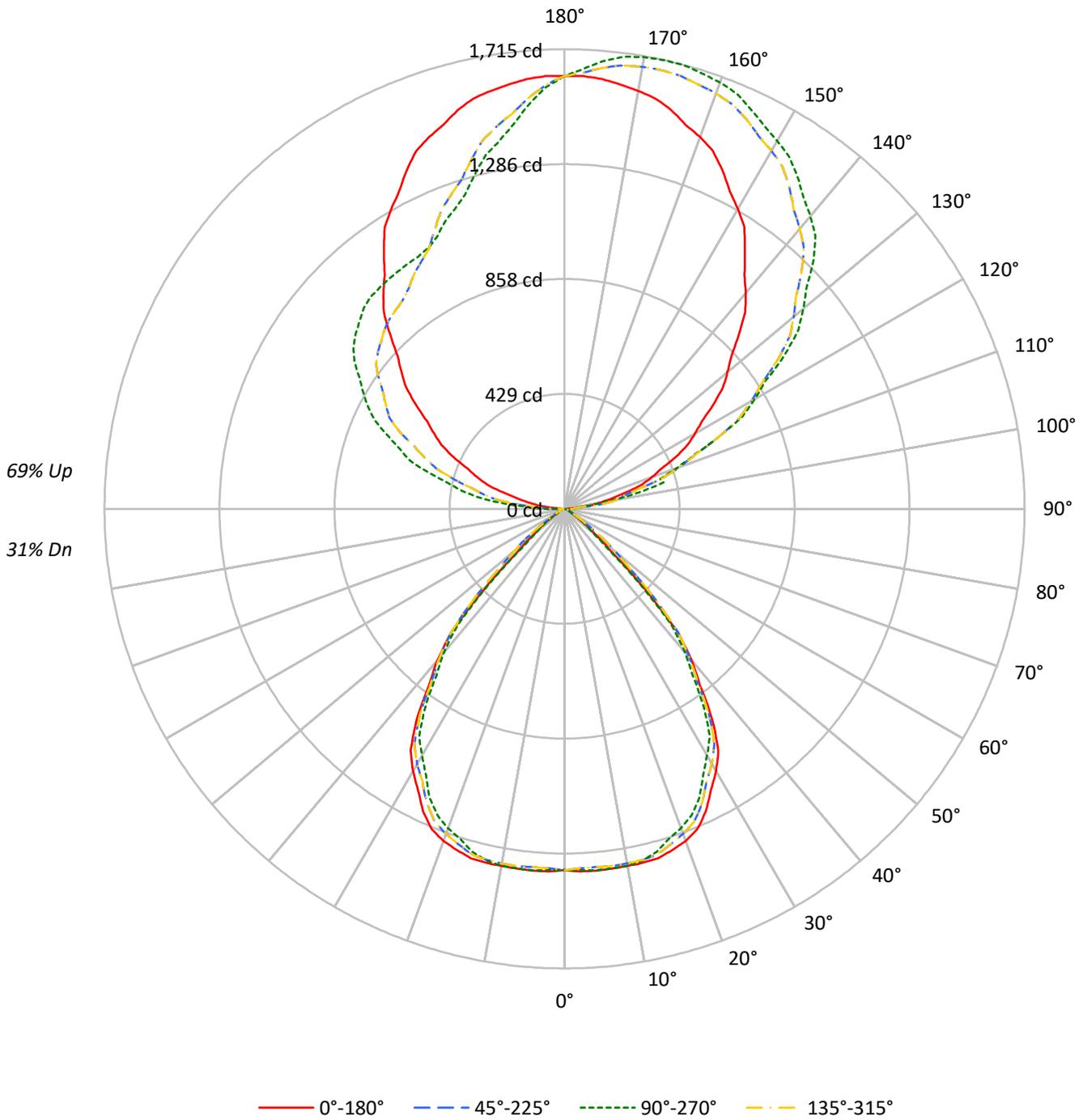
Lumens per Lamp: N/A
Luminaire Lumens: 6830.0 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 62.1
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	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	31
1	95	91	87	84	85	82	79	77	65	63	62	50	49	48	36	35	35	28
2	87	81	75	71	78	73	68	65	59	56	53	45	43	42	33	32	31	26
3	80	72	65	60	72	65	60	55	53	49	46	41	39	37	30	29	28	23
4	74	64	57	52	67	59	53	48	48	43	40	37	35	32	28	26	25	21
5	68	58	51	45	61	53	47	42	43	39	35	34	31	29	26	24	23	19
6	63	52	45	40	57	48	42	37	39	35	31	31	28	26	24	22	20	17
7	59	47	40	35	53	43	37	33	36	31	28	29	26	23	22	20	19	16
8	54	43	36	31	49	40	34	29	33	28	25	26	23	21	20	18	17	15
9	51	40	33	28	46	36	30	26	30	26	23	24	21	19	19	17	16	13
10	47	36	30	25	43	33	28	24	28	24	21	23	20	17	18	16	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	21764	21764	21764	21764
5°	21962	21953	21962	21953
10°	22185	22174	22185	22174
15°	22554	22154	22554	22154
20°	22661	21795	22661	21795
25°	22195	21183	22195	21183
30°	21059	19807	21059	19807
35°	18939	17871	18939	17871
40°	15527	14709	15527	14709
45°	9709	9120	9709	9120
50°	3798	3474	3798	3474
55°	1875	1855	1875	1855
60°	875	794	875	794
65°	791	741	791	741
70°	765	732	765	732
75°	767	686	767	686
80°	725	660	725	660
85°	722	593	722	593

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°
 Vertical Angle: 45°
 Luminance: 11051 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.9	1.9
10°-20°	376.9	5.5
20°-30°	557.2	8.2
30°-40°	576.5	8.4
40°-50°	346.8	5.1
50°-60°	82.9	1.2
60°-70°	22.7	0.3
70°-80°	12.7	0.2
80°-90°	10.7	0.2
90°-100°	128.5	1.9
100°-110°	374.8	5.5
110°-120°	611.6	9.0
120°-130°	776.1	11.4
130°-140°	830.4	12.2
140°-150°	775.4	11.4
150°-160°	638.1	9.3
160°-170°	427.9	6.3
170°-180°	151.9	2.2
0°-30°	1063.0	15.6
0°-40°	1639.5	24.0
0°-60°	2069.2	30.3
0°-90°	2115.3	31.0
90°-120°	1114.9	16.3
90°-150°	3496.8	51.2
90°-180°	4715.0	69.0
0°-180°	6830.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1348	1348	1348	1348	1348	
5°	1355	1354	1355	1354	1355	129
15°	1349	1325	1349	1325	1349	380
25°	1246	1189	1246	1189	1246	570
35°	961	907	961	907	961	590
45°	425	399	425	399	425	329
55°	67	66	67	66	67	67
65°	21	19	21	19	21	21
75°	12	11	12	11	12	13
85°	4	3	4	3	4	4
90°	5	36	5	70	5	4
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°	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0
2.5°	1354.7	1353.1	1351.5	1347.5	1342.7	1342.8	1347.9	1351.4	1350.2	1349.1	1350.2
5°	1355.1	1353.1	1351.1	1346.5	1341.1	1342.4	1350.4	1356.2	1355.3	1354.5	1355.3
7.5°	1353.7	1352.9	1352.0	1348.6	1344.4	1345.4	1351.5	1355.7	1354.4	1353.1	1354.4
10°	1353.2	1353.5	1353.8	1349.3	1343.3	1343.4	1349.7	1354.3	1353.4	1352.5	1353.4
12.5°	1352.7	1355.0	1357.4	1351.4	1342.6	1340.7	1345.6	1348.8	1346.8	1344.8	1346.8
15°	1349.3	1353.9	1358.5	1350.4	1338.0	1331.9	1331.9	1331.2	1328.3	1325.4	1328.3
17.5°	1335.0	1340.4	1345.9	1334.9	1318.4	1307.9	1303.5	1299.3	1295.8	1292.3	1295.8
20°	1318.9	1324.4	1329.9	1316.8	1297.5	1284.3	1277.2	1271.4	1270.0	1268.5	1270.0
22.5°	1293.6	1299.5	1305.4	1291.5	1270.8	1256.6	1248.7	1242.2	1239.9	1237.5	1239.9
25°	1245.9	1250.5	1255.1	1240.5	1219.6	1206.2	1200.5	1195.4	1192.2	1189.1	1192.2
27.5°	1182.3	1184.9	1187.4	1173.3	1153.6	1140.5	1134.0	1128.0	1123.6	1119.3	1123.6
30°	1129.6	1130.7	1131.9	1120.6	1105.0	1093.0	1084.4	1076.2	1069.3	1062.4	1069.3
32.5°	1067.0	1068.2	1069.3	1059.4	1045.7	1034.8	1026.6	1019.1	1013.6	1008.1	1013.6
35°	960.9	960.4	959.8	953.4	945.1	936.2	926.7	918.1	912.4	906.7	912.4
37.5°	828.2	829.0	829.8	825.1	818.5	811.4	803.9	796.9	791.1	785.3	791.1
40°	736.7	737.3	737.8	733.9	728.4	720.3	709.3	700.8	699.4	697.9	699.4
42.5°	625.0	633.6	642.3	638.8	631.2	623.3	614.9	606.9	600.2	593.5	600.2
45°	425.2	451.4	477.5	484.0	484.0	479.0	468.9	454.5	426.9	399.4	426.9
47.5°	240.1	269.9	299.6	319.2	335.3	328.5	298.6	267.8	234.3	200.8	234.3
50°	151.2	171.3	191.4	216.5	243.2	235.9	194.5	160.7	149.5	138.3	149.5
52.5°	107.3	117.5	127.7	151.3	179.4	176.0	141.1	113.4	107.5	101.6	107.5
55°	66.6	70.3	74.0	85.5	99.6	98.7	82.9	70.5	68.2	65.9	68.2
57.5°	39.5	43.4	47.2	52.3	57.9	57.9	52.3	47.3	43.7	40.1	43.7
60°	27.1	30.3	33.5	37.7	42.3	41.7	36.0	30.9	27.7	24.6	27.7
62.5°	23.5	24.8	26.2	29.4	33.3	33.0	28.4	24.7	23.6	22.5	23.6
65°	20.7	21.0	21.3	21.5	21.8	21.7	21.1	20.5	20.0	19.4	20.0
67.5°	18.2	18.5	18.8	18.7	18.5	18.3	18.3	18.1	17.6	17.1	17.6
70°	16.2	16.4	16.7	16.8	16.8	16.7	16.4	16.1	15.8	15.5	15.8
72.5°	14.6	14.9	15.2	15.1	14.8	14.7	14.6	14.5	14.0	13.4	14.0
75°	12.3	12.3	12.3	12.3	12.3	12.1	11.8	11.6	11.3	11.0	11.3
77.5°	9.3	9.6	9.9	9.7	9.4	9.3	9.3	9.2	8.9	8.7	8.9
80°	7.8	8.0	8.3	8.2	7.9	7.8	7.8	7.7	7.4	7.1	7.4
82.5°	6.2	6.3	6.3	6.3	6.2	6.2	6.2	6.1	5.8	5.6	5.8
85°	3.9	3.9	3.9	3.7	3.4	3.2	3.2	3.2	3.2	3.2	3.2
87.5°	2.0	3.5	5.4	6.6	7.3	7.6	7.6	7.9	8.2	8.2	8.2
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°	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0
2.5°	1351.4	1347.9	1342.8	1342.7	1347.5	1351.5	1353.1	1354.7	1353.1	1351.5	1347.5
5°	1356.2	1350.4	1342.4	1341.1	1346.5	1351.1	1353.1	1355.1	1353.1	1351.1	1346.5
7.5°	1355.7	1351.5	1345.4	1344.4	1348.6	1352.0	1352.9	1353.7	1352.9	1352.0	1348.6
10°	1354.3	1349.7	1343.4	1343.3	1349.3	1353.8	1353.5	1353.2	1353.5	1353.8	1349.3
12.5°	1348.8	1345.6	1340.7	1342.6	1351.4	1357.4	1355.0	1352.7	1355.0	1357.4	1351.4
15°	1331.2	1331.9	1331.9	1338.0	1350.4	1358.5	1353.9	1349.3	1353.9	1358.5	1350.4
17.5°	1299.3	1303.5	1307.9	1318.4	1334.9	1345.9	1340.4	1335.0	1340.4	1345.9	1334.9
20°	1271.4	1277.2	1284.3	1297.5	1316.8	1329.9	1324.4	1318.9	1324.4	1329.9	1316.8
22.5°	1242.2	1248.7	1256.6	1270.8	1291.5	1305.4	1299.5	1293.6	1299.5	1305.4	1291.5
25°	1195.4	1200.5	1206.2	1219.6	1240.5	1255.1	1250.5	1245.9	1250.5	1255.1	1240.5
27.5°	1128.0	1134.0	1140.5	1153.6	1173.3	1187.4	1184.9	1182.3	1184.9	1187.4	1173.3
30°	1076.2	1084.4	1093.0	1105.0	1120.6	1131.9	1130.7	1129.6	1130.7	1131.9	1120.6
32.5°	1019.1	1026.6	1034.8	1045.7	1059.4	1069.3	1068.2	1067.0	1068.2	1069.3	1059.4
35°	918.1	926.7	936.2	945.1	953.4	959.8	960.4	960.9	960.4	959.8	953.4
37.5°	796.9	803.9	811.4	818.5	825.1	829.8	829.0	828.2	829.0	829.8	825.1
40°	700.8	709.3	720.3	728.4	733.9	737.8	737.3	736.7	737.3	737.8	733.9
42.5°	606.9	614.9	623.3	631.2	638.8	642.3	633.6	625.0	633.6	642.3	638.8
45°	454.5	468.9	479.0	484.0	484.0	477.5	451.4	425.2	451.4	477.5	484.0
47.5°	267.8	298.6	328.5	335.3	319.2	299.6	269.9	240.1	269.9	299.6	319.2
50°	160.7	194.5	235.9	243.2	216.5	191.4	171.3	151.2	171.3	191.4	216.5
52.5°	113.4	141.1	176.0	179.4	151.3	127.7	117.5	107.3	117.5	127.7	151.3
55°	70.5	82.9	98.7	99.6	85.5	74.0	70.3	66.6	70.3	74.0	85.5
57.5°	47.3	52.3	57.9	57.9	52.3	47.2	43.4	39.5	43.4	47.2	52.3
60°	30.9	36.0	41.7	42.3	37.7	33.5	30.3	27.1	30.3	33.5	37.7
62.5°	24.7	28.4	33.0	33.3	29.4	26.2	24.8	23.5	24.8	26.2	29.4
65°	20.5	21.1	21.7	21.8	21.5	21.3	21.0	20.7	21.0	21.3	21.5
67.5°	18.1	18.3	18.3	18.5	18.7	18.8	18.5	18.2	18.5	18.8	18.7
70°	16.1	16.4	16.7	16.8	16.8	16.7	16.4	16.2	16.4	16.7	16.8
72.5°	14.5	14.6	14.7	14.8	15.1	15.2	14.9	14.6	14.9	15.2	15.1
75°	11.6	11.8	12.1	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
77.5°	9.2	9.3	9.3	9.4	9.7	9.9	9.6	9.3	9.6	9.9	9.7
80°	7.7	7.8	7.8	7.9	8.2	8.3	8.0	7.8	8.0	8.3	8.2
82.5°	6.1	6.2	6.2	6.2	6.3	6.3	6.3	6.2	6.3	6.3	6.3
85°	3.2	3.2	3.2	3.4	3.7	3.9	3.9	3.9	3.9	3.9	3.7
87.5°	7.9	7.6	7.6	7.3	6.6	5.4	3.5	2.0	3.5	5.1	7.3
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: P1428551

CATALOG NUMBER: SQ2W-WBM-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: P1428551

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0
2.5°	1342.7	1342.8	1347.9	1351.4	1350.2	1349.1	1350.2	1351.4	1347.9	1342.8	1342.7
5°	1341.1	1342.4	1350.4	1356.2	1355.3	1354.5	1355.3	1356.2	1350.4	1342.4	1341.1
7.5°	1344.4	1345.4	1351.5	1355.7	1354.4	1353.1	1354.4	1355.7	1351.5	1345.4	1344.4
10°	1343.3	1343.4	1349.7	1354.3	1353.4	1352.5	1353.4	1354.3	1349.7	1343.4	1343.3
12.5°	1342.6	1340.7	1345.6	1348.8	1346.8	1344.8	1346.8	1348.8	1345.6	1340.7	1342.6
15°	1338.0	1331.9	1331.9	1331.2	1328.3	1325.4	1328.3	1331.2	1331.9	1331.9	1338.0
17.5°	1318.4	1307.9	1303.5	1299.3	1295.8	1292.3	1295.8	1299.3	1303.5	1307.9	1318.4
20°	1297.5	1284.3	1277.2	1271.4	1270.0	1268.5	1270.0	1271.4	1277.2	1284.3	1297.5
22.5°	1270.8	1256.6	1248.7	1242.2	1239.9	1237.5	1239.9	1242.2	1248.7	1256.6	1270.8
25°	1219.6	1206.2	1200.5	1195.4	1192.2	1189.1	1192.2	1195.4	1200.5	1206.2	1219.6
27.5°	1153.6	1140.5	1134.0	1128.0	1123.6	1119.3	1123.6	1128.0	1134.0	1140.5	1153.6
30°	1105.0	1093.0	1084.4	1076.2	1069.3	1062.4	1069.3	1076.2	1084.4	1093.0	1105.0
32.5°	1045.7	1034.8	1026.6	1019.1	1013.6	1008.1	1013.6	1019.1	1026.6	1034.8	1045.7
35°	945.1	936.2	926.7	918.1	912.4	906.7	912.4	918.1	926.7	936.2	945.1
37.5°	818.5	811.4	803.9	796.9	791.1	785.3	791.1	796.9	803.9	811.4	818.5
40°	728.4	720.3	709.3	700.8	699.4	697.9	699.4	700.8	709.3	720.3	728.4
42.5°	631.2	623.3	614.9	606.9	600.2	593.5	600.2	606.9	614.9	623.3	631.2
45°	484.0	479.0	468.9	454.5	426.9	399.4	426.9	454.5	468.9	479.0	484.0
47.5°	335.3	328.5	298.6	267.8	234.3	200.8	234.3	267.8	298.6	328.5	335.3
50°	243.2	235.9	194.5	160.7	149.5	138.3	149.5	160.7	194.5	235.9	243.2
52.5°	179.4	176.0	141.1	113.4	107.5	101.6	107.5	113.4	141.1	176.0	179.4
55°	99.6	98.7	82.9	70.5	68.2	65.9	68.2	70.5	82.9	98.7	99.6
57.5°	57.9	57.9	52.3	47.3	43.7	40.1	43.7	47.3	52.3	57.9	57.9
60°	42.3	41.7	36.0	30.9	27.7	24.6	27.7	30.9	36.0	41.7	42.3
62.5°	33.3	33.0	28.4	24.7	23.6	22.5	23.6	24.7	28.4	33.0	33.3
65°	21.8	21.7	21.1	20.5	20.0	19.4	20.0	20.5	21.1	21.7	21.8
67.5°	18.5	18.3	18.3	18.1	17.6	17.1	17.6	18.1	18.3	18.3	18.5
70°	16.8	16.7	16.4	16.1	15.8	15.5	15.8	16.1	16.4	16.7	16.8
72.5°	14.8	14.7	14.6	14.5	14.0	13.4	14.0	14.5	14.6	14.7	14.8
75°	12.3	12.1	11.8	11.6	11.3	11.0	11.3	11.6	11.8	12.1	12.3
77.5°	9.4	9.3	9.3	9.2	8.9	8.7	8.9	9.2	9.3	9.3	9.4
80°	7.9	7.8	7.8	7.7	7.4	7.1	7.4	7.7	7.8	7.8	7.9
82.5°	6.2	6.2	6.2	6.1	5.8	5.6	5.8	6.1	6.2	6.2	6.2
85°	3.4	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.4
87.5°	8.7	10.8	13.1	14.4	15.7	15.1	15.7	14.4	13.1	10.8	8.7
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: P1428551

CATALOG NUMBER: SQ2W-WBM-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: P1428551

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1348.0	1348.0	1348.0	1348.0
2.5°	1347.5	1351.5	1353.1	1354.7
5°	1346.5	1351.1	1353.1	1355.1
7.5°	1348.6	1352.0	1352.9	1353.7
10°	1349.3	1353.8	1353.5	1353.2
12.5°	1351.4	1357.4	1355.0	1352.7
15°	1350.4	1358.5	1353.9	1349.3
17.5°	1334.9	1345.9	1340.4	1335.0
20°	1316.8	1329.9	1324.4	1318.9
22.5°	1291.5	1305.4	1299.5	1293.6
25°	1240.5	1255.1	1250.5	1245.9
27.5°	1173.3	1187.4	1184.9	1182.3
30°	1120.6	1131.9	1130.7	1129.6
32.5°	1059.4	1069.3	1068.2	1067.0
35°	953.4	959.8	960.4	960.9
37.5°	825.1	829.8	829.0	828.2
40°	733.9	737.8	737.3	736.7
42.5°	638.8	642.3	633.6	625.0
45°	484.0	477.5	451.4	425.2
47.5°	319.2	299.6	269.9	240.1
50°	216.5	191.4	171.3	151.2
52.5°	151.3	127.7	117.5	107.3
55°	85.5	74.0	70.3	66.6
57.5°	52.3	47.2	43.4	39.5
60°	37.7	33.5	30.3	27.1
62.5°	29.4	26.2	24.8	23.5
65°	21.5	21.3	21.0	20.7
67.5°	18.7	18.8	18.5	18.2
70°	16.8	16.7	16.4	16.2
72.5°	15.1	15.2	14.9	14.6
75°	12.3	12.3	12.3	12.3
77.5°	9.7	9.9	9.6	9.3
80°	8.2	8.3	8.0	7.8
82.5°	6.3	6.3	6.3	6.2
85°	3.7	3.9	3.9	3.9
87.5°	7.3	5.1	3.5	2.0
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: P1428551

CATALOG NUMBER: SQ2W-WBM-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: P1428551
 CATALOG NUMBER: SQ2W-WBM-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	0.45	1.09	1.58	2.19	3.72	0.44	1.08	1.57	2.18	3.71
	3H	1.13	1.70	2.27	2.81	4.36	1.06	1.62	2.19	2.74	4.28
	4H	1.49	2.03	2.64	3.14	4.69	1.36	1.90	2.51	3.01	4.56
	6H	1.76	2.25	2.91	3.37	4.93	1.59	2.08	2.74	3.20	4.76
	8H	1.88	2.35	3.03	3.48	5.03	1.68	2.15	2.84	3.28	4.83
	12H	1.96	2.40	3.11	3.52	5.10	1.73	2.18	2.89	3.30	4.87
4H	2H	0.54	1.07	1.69	2.19	3.74	0.52	1.06	1.68	2.17	3.73
	3H	1.47	1.91	2.62	3.05	4.61	1.39	1.83	2.54	2.97	4.53
	4H	1.97	2.38	3.13	3.51	5.09	1.83	2.24	2.99	3.37	4.95
	6H	2.40	2.75	3.56	3.90	5.47	2.20	2.55	3.36	3.70	5.27
	8H	2.59	2.91	3.75	4.06	5.64	2.37	2.69	3.53	3.83	5.42
	12H	2.71	3.01	3.89	4.16	5.75	2.45	2.75	3.63	3.90	5.49
8H	4H	2.09	2.41	3.25	3.56	5.14	1.96	2.28	3.12	3.43	5.01
	6H	2.66	2.93	3.84	4.12	5.70	2.48	2.74	3.66	3.93	5.51
	8H	2.96	3.19	4.14	4.35	5.96	2.74	2.98	3.93	4.14	5.75
	12H	3.18	3.38	4.36	4.54	6.18	2.91	3.12	4.10	4.28	5.91
12H	4H	2.06	2.36	3.24	3.51	5.10	1.94	2.23	3.11	3.39	4.98
	6H	2.70	2.93	3.89	4.10	5.70	2.52	2.76	3.71	3.92	5.53
	8H	3.02	3.23	4.21	4.39	6.03	2.82	3.02	4.01	4.18	5.82