

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: P1427948

Luminaire Tested: SQ2W-PH1-K-125U-075D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427948
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PH1-K-125U-075D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE HEX 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

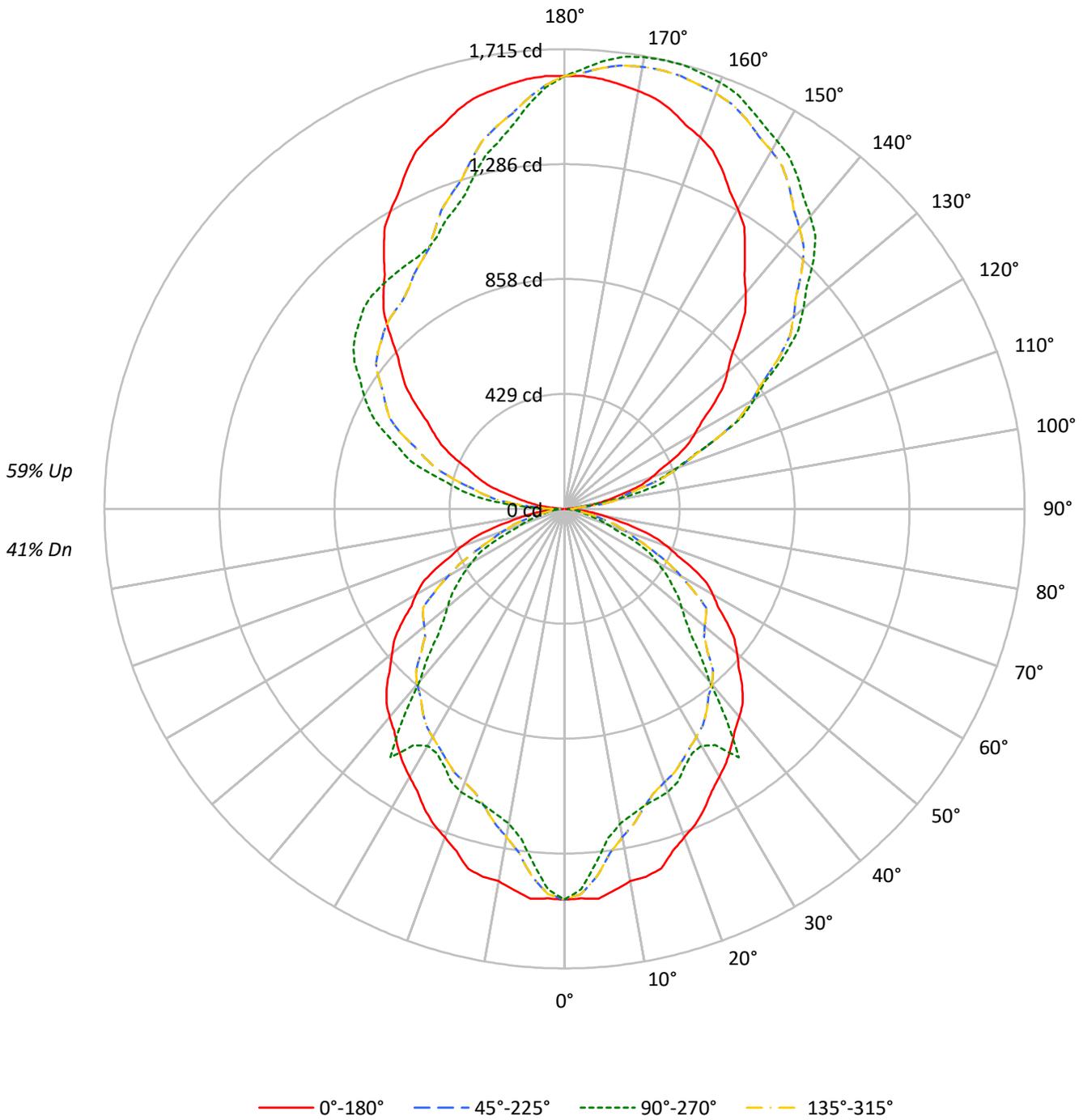
Lumens per Lamp: N/A
Luminaire Lumens: 7945.6 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.02 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 70.7
Input Voltage (V): 120
Input Current (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	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	84	87	84	80	78	69	66	64	55	53	52	42	41	40	35				
2	87	80	74	69	79	73	68	64	60	57	54	48	46	44	37	36	34	29				
3	80	71	63	58	72	65	58	53	53	49	45	43	40	37	33	31	29	25				
4	73	62	55	49	66	57	50	45	47	42	38	38	35	32	30	27	25	21				
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	27	24	22	19				
6	62	50	42	36	56	46	39	34	38	33	29	31	27	24	24	21	19	16				
7	57	45	37	32	52	41	34	29	34	29	25	28	24	21	22	19	17	14				
8	53	41	33	28	48	37	31	26	31	26	22	26	22	19	20	17	15	13				
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12				
10	46	34	27	22	42	31	25	21	26	21	18	22	18	15	17	15	13	11				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	23543	23543	23543	23543
5°	23679	21520	23679	21520
10°	23134	19562	23134	19562
15°	23237	19179	23237	19179
20°	22408	19333	22408	19333
25°	21998	18884	21998	18884
30°	21522	19039	21522	19039
35°	21358	22316	21358	22316
40°	21376	17692	21376	17692
45°	21383	15239	21383	15239
50°	21084	14290	21084	14290
55°	20816	13709	20816	13709
60°	20608	12858	20608	12858
65°	20248	11186	20248	11186
70°	19123	7992	19123	7992
75°	17049	6057	17049	6057
80°	13928	5672	13928	5672
85°	8744	3853	8744	3853

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 21383 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.3	1.6
10°-20°	337.5	4.2
20°-30°	494.8	6.2
30°-40°	599.2	7.5
40°-50°	589.2	7.4
50°-60°	512.5	6.5
60°-70°	356.4	4.5
70°-80°	169.0	2.1
80°-90°	43.9	0.6
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	10.5
140°-150°	775.4	9.8
150°-160°	638.1	8.0
160°-170°	427.9	5.4
170°-180°	151.9	1.9
0°-30°	960.6	12.1
0°-40°	1559.8	19.6
0°-60°	2661.5	33.5
0°-90°	3230.9	40.7
90°-120°	1114.9	14.0
90°-150°	3496.8	44.0
90°-180°	4715.0	59.3
0°-180°	7945.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1458	1458	1458	1458	1458	
5°	1461	1328	1461	1328	1461	137
15°	1390	1147	1390	1147	1390	388
25°	1235	1060	1235	1060	1235	568
35°	1084	1132	1084	1132	1084	679
45°	936	667	936	667	936	720
55°	740	487	740	487	740	661
65°	530	293	530	293	530	521
75°	273	97	273	97	273	290
85°	47	21	47	21	47	63
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°	1458.2	1458.2	1458.2	1458.2	1458.2	1458.2	1458.2	1458.2	1458.2	1458.2	1458.2
2.5°	1454.9	1461.8	1468.7	1459.0	1443.7	1433.1	1427.2	1422.5	1421.5	1420.5	1421.5
5°	1461.0	1460.4	1459.8	1430.9	1392.7	1364.0	1344.9	1330.3	1329.0	1327.8	1329.0
7.5°	1434.4	1415.2	1396.1	1357.4	1312.1	1279.0	1257.9	1241.8	1240.8	1239.8	1240.8
10°	1411.1	1382.1	1353.1	1309.3	1260.6	1226.7	1207.6	1193.2	1193.2	1193.2	1193.2
12.5°	1405.5	1359.8	1314.0	1266.0	1217.3	1185.9	1171.7	1161.8	1164.7	1167.7	1164.7
15°	1390.2	1321.2	1252.1	1203.4	1161.5	1138.7	1135.0	1133.9	1140.7	1147.4	1140.7
17.5°	1339.7	1265.4	1191.0	1148.2	1115.9	1103.7	1111.5	1119.4	1127.3	1135.2	1127.3
20°	1304.2	1230.8	1157.5	1117.8	1089.5	1082.7	1097.5	1110.4	1117.8	1125.2	1117.8
22.5°	1274.3	1199.9	1125.5	1090.5	1068.5	1065.7	1081.9	1095.1	1099.1	1103.0	1099.1
25°	1234.8	1151.0	1067.1	1041.5	1035.4	1039.4	1053.6	1063.7	1061.9	1060.0	1061.9
27.5°	1187.7	1100.1	1012.5	996.1	1003.4	1011.3	1020.0	1026.7	1027.8	1028.9	1027.8
30°	1154.4	1066.8	979.2	966.1	977.9	988.0	996.7	1005.1	1013.2	1021.2	1013.2
32.5°	1122.2	1031.7	941.1	931.7	949.4	968.4	988.9	1008.8	1027.2	1045.6	1027.2
35°	1083.6	989.3	894.9	887.5	909.1	936.9	970.8	1011.3	1071.7	1132.2	1071.7
37.5°	1043.1	942.0	840.8	837.5	866.7	895.9	925.2	951.9	971.1	990.4	971.1
40°	1014.2	908.2	802.1	802.0	837.1	873.5	911.1	928.2	883.8	839.4	883.8
42.5°	983.2	877.1	771.0	767.9	799.1	839.2	888.2	906.1	831.2	756.2	831.2
45°	936.5	826.2	715.8	711.8	743.2	765.4	778.4	774.7	721.0	667.4	721.0
47.5°	881.6	776.4	671.2	670.3	704.2	706.7	677.7	650.8	629.8	608.8	629.8
50°	839.4	740.1	640.9	645.2	684.0	680.3	634.1	596.0	582.4	568.9	582.4
52.5°	798.4	704.0	609.7	621.1	667.9	660.5	598.9	550.5	541.4	532.2	541.4
55°	739.5	648.9	558.2	584.1	648.9	639.0	554.5	490.7	488.9	487.0	488.9
57.5°	677.1	591.4	505.7	523.6	576.2	565.8	492.6	438.4	441.6	444.8	441.6
60°	638.2	555.0	471.7	474.1	504.9	495.0	444.5	405.6	401.9	398.2	401.9
62.5°	597.2	517.9	438.6	427.1	438.2	426.6	392.3	365.6	361.9	358.2	361.9
65°	530.0	457.9	385.7	364.0	359.0	342.4	314.0	292.8	292.8	292.8	292.8
67.5°	456.2	393.3	330.4	306.1	294.6	278.1	256.5	236.6	221.8	207.0	221.8
70°	405.1	349.6	294.1	268.7	253.3	233.6	209.5	189.0	179.1	169.3	179.1
72.5°	350.8	303.1	255.5	229.5	210.6	191.4	171.8	154.2	142.9	131.5	142.9
75°	273.3	235.1	196.9	171.6	150.6	131.2	113.3	99.6	98.4	97.1	98.4
77.5°	197.6	169.7	141.8	121.4	103.4	89.8	80.8	74.1	74.2	74.4	74.2
80°	149.8	128.9	107.9	88.8	70.3	60.7	60.1	59.8	60.4	61.0	60.4
82.5°	105.4	89.9	74.4	62.2	51.1	45.9	46.8	47.5	47.6	47.7	47.6
85°	47.2	39.8	32.4	29.6	28.4	26.5	24.0	22.0	21.4	20.8	21.4
87.5°	11.0	11.8	12.9	13.0	12.5	12.1	12.1	12.4	12.7	12.7	12.7
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°	1458.2	1458.2	1458.2	1458.2	1458.2	1458.2	1458.2	1458.2	1458.2	1458.2	1458.2
2.5°	1422.5	1427.2	1433.1	1443.7	1459.0	1468.7	1461.8	1454.9	1461.8	1468.7	1459.0
5°	1330.3	1344.9	1364.0	1392.7	1430.9	1459.8	1460.4	1461.0	1460.4	1459.8	1430.9
7.5°	1241.8	1257.9	1279.0	1312.1	1357.4	1396.1	1415.2	1434.4	1415.2	1396.1	1357.4
10°	1193.2	1207.6	1226.7	1260.6	1309.3	1353.1	1382.1	1411.1	1382.1	1353.1	1309.3
12.5°	1161.8	1171.7	1185.9	1217.3	1266.0	1314.0	1359.8	1405.5	1359.8	1314.0	1266.0
15°	1133.9	1135.0	1138.7	1161.5	1203.4	1252.1	1321.2	1390.2	1321.2	1252.1	1203.4
17.5°	1119.4	1111.5	1103.7	1115.9	1148.2	1191.0	1265.4	1339.7	1265.4	1191.0	1148.2
20°	1110.4	1097.5	1082.7	1089.5	1117.8	1157.5	1230.8	1304.2	1230.8	1157.5	1117.8
22.5°	1095.1	1081.9	1065.7	1068.5	1090.5	1125.5	1199.9	1274.3	1199.9	1125.5	1090.5
25°	1063.7	1053.6	1039.4	1035.4	1041.5	1067.1	1151.0	1234.8	1151.0	1067.1	1041.5
27.5°	1026.7	1020.0	1011.3	1003.4	996.1	1012.5	1100.1	1187.7	1100.1	1012.5	996.1
30°	1005.1	996.7	988.0	977.9	966.1	979.2	1066.8	1154.4	1066.8	979.2	966.1
32.5°	1008.8	988.9	968.4	949.4	931.7	941.1	1031.7	1122.2	1031.7	941.1	931.7
35°	1011.3	970.8	936.9	909.1	887.5	894.9	989.3	1083.6	989.3	894.9	887.5
37.5°	951.9	925.2	895.9	866.7	837.5	840.8	942.0	1043.1	942.0	840.8	837.5
40°	928.2	911.1	873.5	837.1	802.0	802.1	908.2	1014.2	908.2	802.1	802.0
42.5°	906.1	888.2	839.2	799.1	767.9	771.0	877.1	983.2	877.1	771.0	767.9
45°	774.7	778.4	765.4	743.2	711.8	715.8	826.2	936.5	826.2	715.8	711.8
47.5°	650.8	677.7	706.7	704.2	670.3	671.2	776.4	881.6	776.4	671.2	670.3
50°	596.0	634.1	680.3	684.0	645.2	640.9	740.1	839.4	740.1	640.9	645.2
52.5°	550.5	598.9	660.5	667.9	621.1	609.7	704.0	798.4	704.0	609.7	621.1
55°	490.7	554.5	639.0	648.9	584.1	558.2	648.9	739.5	648.9	558.2	584.1
57.5°	438.4	492.6	565.8	576.2	523.6	505.7	591.4	677.1	591.4	505.7	523.6
60°	405.6	444.5	495.0	504.9	474.1	471.7	555.0	638.2	555.0	471.7	474.1
62.5°	365.6	392.3	426.6	438.2	427.1	438.6	517.9	597.2	517.9	438.6	427.1
65°	292.8	314.0	342.4	359.0	364.0	385.7	457.9	530.0	457.9	385.7	364.0
67.5°	236.6	256.5	278.1	294.6	306.1	330.4	393.3	456.2	393.3	330.4	306.1
70°	189.0	209.5	233.6	253.3	268.7	294.1	349.6	405.1	349.6	294.1	268.7
72.5°	154.2	171.8	191.4	210.6	229.5	255.5	303.1	350.8	303.1	255.5	229.5
75°	99.6	113.3	131.2	150.6	171.6	196.9	235.1	273.3	235.1	196.9	171.6
77.5°	74.1	80.8	89.8	103.4	121.4	141.8	169.7	197.6	169.7	141.8	121.4
80°	59.8	60.1	60.7	70.3	88.8	107.9	128.9	149.8	128.9	107.9	88.8
82.5°	47.5	46.8	45.9	51.1	62.2	74.4	89.9	105.4	89.9	74.4	62.2
85°	22.0	24.0	26.5	28.4	29.6	32.4	39.8	47.2	39.8	32.4	29.6
87.5°	12.4	12.1	12.1	12.5	13.0	12.9	11.8	11.0	11.8	12.6	13.6
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: P1427948

CATALOG NUMBER: SQ2W-PH1-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: P1427948

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CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1458.2	1458.2	1458.2	1458.2	1458.2	1458.2	1458.2	1458.2	1458.2	1458.2	1458.2
2.5°	1443.7	1433.1	1427.2	1422.5	1421.5	1420.5	1421.5	1422.5	1427.2	1433.1	1443.7
5°	1392.7	1364.0	1344.9	1330.3	1329.0	1327.8	1329.0	1330.3	1344.9	1364.0	1392.7
7.5°	1312.1	1279.0	1257.9	1241.8	1240.8	1239.8	1240.8	1241.8	1257.9	1279.0	1312.1
10°	1260.6	1226.7	1207.6	1193.2	1193.2	1193.2	1193.2	1193.2	1207.6	1226.7	1260.6
12.5°	1217.3	1185.9	1171.7	1161.8	1164.7	1167.7	1164.7	1161.8	1171.7	1185.9	1217.3
15°	1161.5	1138.7	1135.0	1133.9	1140.7	1147.4	1140.7	1133.9	1135.0	1138.7	1161.5
17.5°	1115.9	1103.7	1111.5	1119.4	1127.3	1135.2	1127.3	1119.4	1111.5	1103.7	1115.9
20°	1089.5	1082.7	1097.5	1110.4	1117.8	1125.2	1117.8	1110.4	1097.5	1082.7	1089.5
22.5°	1068.5	1065.7	1081.9	1095.1	1099.1	1103.0	1099.1	1095.1	1081.9	1065.7	1068.5
25°	1035.4	1039.4	1053.6	1063.7	1061.9	1060.0	1061.9	1063.7	1053.6	1039.4	1035.4
27.5°	1003.4	1011.3	1020.0	1026.7	1027.8	1028.9	1027.8	1026.7	1020.0	1011.3	1003.4
30°	977.9	988.0	996.7	1005.1	1013.2	1021.2	1013.2	1005.1	996.7	988.0	977.9
32.5°	949.4	968.4	988.9	1008.8	1027.2	1045.6	1027.2	1008.8	988.9	968.4	949.4
35°	909.1	936.9	970.8	1011.3	1071.7	1132.2	1071.7	1011.3	970.8	936.9	909.1
37.5°	866.7	895.9	925.2	951.9	971.1	990.4	971.1	951.9	925.2	895.9	866.7
40°	837.1	873.5	911.1	928.2	883.8	839.4	883.8	928.2	911.1	873.5	837.1
42.5°	799.1	839.2	888.2	906.1	831.2	756.2	831.2	906.1	888.2	839.2	799.1
45°	743.2	765.4	778.4	774.7	721.0	667.4	721.0	774.7	778.4	765.4	743.2
47.5°	704.2	706.7	677.7	650.8	629.8	608.8	629.8	650.8	677.7	706.7	704.2
50°	684.0	680.3	634.1	596.0	582.4	568.9	582.4	596.0	634.1	680.3	684.0
52.5°	667.9	660.5	598.9	550.5	541.4	532.2	541.4	550.5	598.9	660.5	667.9
55°	648.9	639.0	554.5	490.7	488.9	487.0	488.9	490.7	554.5	639.0	648.9
57.5°	576.2	565.8	492.6	438.4	441.6	444.8	441.6	438.4	492.6	565.8	576.2
60°	504.9	495.0	444.5	405.6	401.9	398.2	401.9	405.6	444.5	495.0	504.9
62.5°	438.2	426.6	392.3	365.6	361.9	358.2	361.9	365.6	392.3	426.6	438.2
65°	359.0	342.4	314.0	292.8	292.8	292.8	292.8	292.8	314.0	342.4	359.0
67.5°	294.6	278.1	256.5	236.6	221.8	207.0	221.8	236.6	256.5	278.1	294.6
70°	253.3	233.6	209.5	189.0	179.1	169.3	179.1	189.0	209.5	233.6	253.3
72.5°	210.6	191.4	171.8	154.2	142.9	131.5	142.9	154.2	171.8	191.4	210.6
75°	150.6	131.2	113.3	99.6	98.4	97.1	98.4	99.6	113.3	131.2	150.6
77.5°	103.4	89.8	80.8	74.1	74.2	74.4	74.2	74.1	80.8	89.8	103.4
80°	70.3	60.7	60.1	59.8	60.4	61.0	60.4	59.8	60.1	60.7	70.3
82.5°	51.1	45.9	46.8	47.5	47.6	47.7	47.6	47.5	46.8	45.9	51.1
85°	28.4	26.5	24.0	22.0	21.4	20.8	21.4	22.0	24.0	26.5	28.4
87.5°	13.8	15.3	17.6	18.9	20.2	19.6	20.2	18.9	17.6	15.3	13.8
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: P1427948

CATALOG NUMBER: SQ2W-PH1-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: P1427948

CATALOG NUMBER: SQ2W-PH1-K-125U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1458.2	1458.2	1458.2	1458.2
2.5°	1459.0	1468.7	1461.8	1454.9
5°	1430.9	1459.8	1460.4	1461.0
7.5°	1357.4	1396.1	1415.2	1434.4
10°	1309.3	1353.1	1382.1	1411.1
12.5°	1266.0	1314.0	1359.8	1405.5
15°	1203.4	1252.1	1321.2	1390.2
17.5°	1148.2	1191.0	1265.4	1339.7
20°	1117.8	1157.5	1230.8	1304.2
22.5°	1090.5	1125.5	1199.9	1274.3
25°	1041.5	1067.1	1151.0	1234.8
27.5°	996.1	1012.5	1100.1	1187.7
30°	966.1	979.2	1066.8	1154.4
32.5°	931.7	941.1	1031.7	1122.2
35°	887.5	894.9	989.3	1083.6
37.5°	837.5	840.8	942.0	1043.1
40°	802.0	802.1	908.2	1014.2
42.5°	767.9	771.0	877.1	983.2
45°	711.8	715.8	826.2	936.5
47.5°	670.3	671.2	776.4	881.6
50°	645.2	640.9	740.1	839.4
52.5°	621.1	609.7	704.0	798.4
55°	584.1	558.2	648.9	739.5
57.5°	523.6	505.7	591.4	677.1
60°	474.1	471.7	555.0	638.2
62.5°	427.1	438.6	517.9	597.2
65°	364.0	385.7	457.9	530.0
67.5°	306.1	330.4	393.3	456.2
70°	268.7	294.1	349.6	405.1
72.5°	229.5	255.5	303.1	350.8
75°	171.6	196.9	235.1	273.3
77.5°	121.4	141.8	169.7	197.6
80°	88.8	107.9	128.9	149.8
82.5°	62.2	74.4	89.9	105.4
85°	29.6	32.4	39.8	47.2
87.5°	13.6	12.6	11.8	11.0
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: P1427948

CATALOG NUMBER: SQ2W-PH1-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: P1427948
 CATALOG NUMBER: SQ2W-PH1-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	16.92	17.70	17.95	18.74	20.14	15.75	16.52	16.78	17.56	18.96
	3H	19.09	19.78	20.13	20.83	22.25	16.79	17.49	17.83	18.53	19.95
	4H	19.89	20.55	20.95	21.61	23.03	17.03	17.69	18.09	18.74	20.17
	6H	20.36	20.96	21.42	22.02	23.46	17.17	17.77	18.23	18.83	20.27
	8H	20.51	21.08	21.58	22.16	23.59	17.22	17.80	18.29	18.87	20.30
	12H	20.56	21.11	21.64	22.18	23.63	17.23	17.78	18.31	18.84	20.30
4H	2H	17.34	18.00	18.41	19.05	20.48	16.42	17.08	17.48	18.13	19.56
	3H	19.59	20.13	20.66	21.21	22.65	17.64	18.19	18.71	19.27	20.71
	4H	20.46	20.96	21.53	22.03	23.49	17.93	18.43	19.01	19.50	20.96
	6H	21.01	21.44	22.10	22.53	23.99	18.12	18.55	19.21	19.65	21.10
	8H	21.21	21.61	22.30	22.70	24.17	18.21	18.61	19.30	19.70	21.17
	12H	21.29	21.65	22.39	22.75	24.23	18.23	18.59	19.33	19.69	21.17
8H	4H	20.47	20.87	21.56	21.96	23.43	18.15	18.55	19.24	19.64	21.11
	6H	21.10	21.43	22.21	22.56	24.02	18.42	18.75	19.52	19.87	21.34
	8H	21.36	21.65	22.47	22.76	24.25	18.56	18.85	19.68	19.96	21.45
	12H	21.49	21.74	22.61	22.85	24.37	18.62	18.88	19.74	19.98	21.51
12H	4H	20.42	20.78	21.52	21.88	23.36	18.14	18.51	19.25	19.61	21.08
	6H	21.07	21.36	22.19	22.47	23.96	18.45	18.74	19.56	19.85	21.34
	8H	21.34	21.60	22.46	22.70	24.23	18.61	18.86	19.73	19.97	21.49