

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: P1435818

Luminaire Tested: SQ2W-FA-K-100U-075D-L835-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435818
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2502-345-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-FA-K-100U-075D-L835-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ASYMMETRIC ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

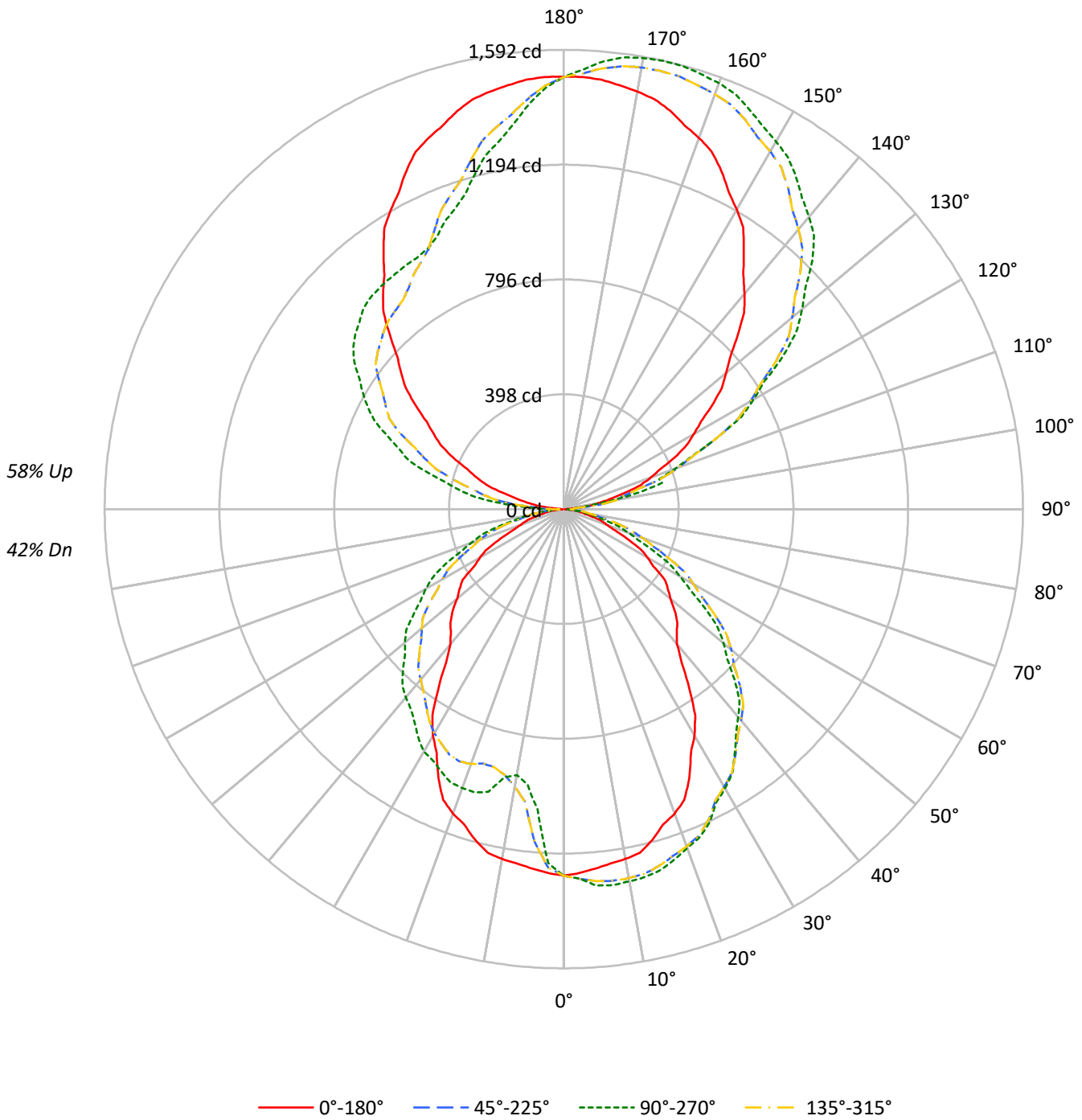
Lumens per Lamp: N/A
Luminaire Lumens: 7537.4 lumens
Efficiency: N/A
Efficacy: 126.0 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 59.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	42
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41	36
2	87	80	74	69	80	73	68	64	61	57	54	49	46	44	38	36	35	30
3	80	70	63	58	73	65	58	53	54	49	45	43	40	37	34	32	30	25
4	73	62	55	49	66	57	50	45	47	42	38	38	35	32	30	28	26	22
5	67	55	47	42	61	51	44	39	42	37	33	35	31	28	27	24	22	19
6	62	50	42	36	56	46	39	34	38	33	29	31	27	24	25	22	20	16
7	57	45	37	31	52	41	34	29	35	29	25	28	24	21	22	20	17	15
8	53	41	33	28	48	37	31	26	31	26	22	26	22	19	21	18	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	18	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	20518	20518	20518	20518
5°	20277	21235	20277	16924
10°	20188	21480	20188	15342
15°	19841	21653	19841	16959
20°	19295	21496	19295	17687
25°	18338	21322	18338	17900
30°	16896	20845	16896	18090
35°	14950	20386	14950	17767
40°	12874	19829	12874	17959
45°	12709	19118	12709	17995
50°	12124	18185	12124	18062
55°	12062	16777	12062	17886
60°	10814	14951	10814	17815
65°	9219	13173	9219	17310
70°	7440	11160	7440	16045
75°	6450	9220	6450	14747
80°	5495	6871	5495	11911
85°	3649	3649	3649	7299

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 19719 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.3	1.5
10°-20°	319.5	4.2
20°-30°	485.2	6.4
30°-40°	569.6	7.6
40°-50°	578.1	7.7
50°-60°	506.3	6.7
60°-70°	359.1	4.8
70°-80°	184.9	2.5
80°-90°	45.0	0.6
90°-100°	119.3	1.6
100°-110°	347.8	4.6
110°-120°	567.6	7.5
120°-130°	720.2	9.6
130°-140°	770.6	10.2
140°-150°	719.6	9.5
150°-160°	592.1	7.9
160°-170°	397.1	5.3
170°-180°	141.0	1.9
0°-30°	919.0	12.2
0°-40°	1488.7	19.8
0°-60°	2573.0	34.1
0°-90°	3162.1	42.0
90°-120°	1034.6	13.7
90°-150°	3245.1	43.1
90°-180°	4375.0	58.0
0°-180°	7537.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1271	1271	1271	1271	1271	
5°	1251	1310	1251	1044	1251	119
15°	1187	1295	1187	1015	1187	333
25°	1029	1197	1029	1005	1029	470
35°	758	1034	758	901	758	473
45°	557	837	557	788	557	426
55°	428	596	428	635	428	371
65°	241	345	241	453	241	241
75°	103	148	103	236	103	112
85°	20	20	20	39	20	25
90°	4	33	4	65	4	4
95°	47	35	47	204	47	57
105°	221	354	221	487	221	235
115°	424	587	424	724	424	418
125°	627	931	627	887	627	561
135°	852	1218	852	982	852	659
145°	1088	1405	1088	1004	1088	681
155°	1293	1526	1293	1041	1293	594
165°	1429	1591	1429	1199	1429	402
175°	1494	1558	1494	1406	1494	142
180°	1498	1498	1498	1498	1498	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8
2.5°	1262.9	1271.6	1280.4	1282.6	1282.6	1282.6	1282.6	1282.6	1282.6	1282.6	1282.6
5°	1251.1	1266.4	1281.7	1288.8	1293.2	1296.5	1298.7	1301.4	1305.8	1310.2	1305.8
7.5°	1239.2	1259.8	1280.4	1290.5	1297.0	1302.3	1306.2	1309.7	1311.9	1314.1	1311.9
10°	1231.4	1255.4	1279.5	1290.5	1297.0	1301.4	1303.6	1305.8	1308.0	1310.2	1308.0
12.5°	1219.5	1245.4	1271.2	1283.9	1292.2	1297.5	1299.7	1301.9	1304.0	1306.2	1304.0
15°	1187.0	1222.1	1257.1	1270.8	1277.3	1282.8	1287.2	1291.0	1293.2	1295.4	1293.2
17.5°	1146.6	1189.1	1231.6	1248.8	1257.5	1263.9	1267.8	1271.2	1273.0	1274.7	1273.0
20°	1123.0	1169.0	1214.9	1233.0	1241.8	1247.2	1249.4	1251.1	1251.1	1251.1	1251.1
22.5°	1091.5	1142.7	1193.9	1213.3	1222.1	1226.7	1227.1	1227.9	1229.6	1231.4	1229.6
25°	1029.4	1088.5	1147.6	1172.3	1185.4	1190.9	1188.7	1188.1	1192.5	1196.9	1192.5
27.5°	953.6	1028.0	1102.4	1127.6	1136.4	1141.8	1144.0	1145.7	1145.7	1145.7	1145.7
30°	906.3	989.5	1072.7	1100.0	1108.8	1114.2	1116.4	1118.1	1118.1	1118.1	1118.1
32.5°	847.2	946.1	1045.1	1075.1	1082.1	1085.8	1086.2	1086.6	1086.6	1086.6	1086.6
35°	758.5	878.9	999.3	1032.7	1037.1	1039.3	1039.3	1038.7	1036.5	1034.3	1036.5
37.5°	669.9	806.5	943.1	982.1	988.7	990.5	987.4	984.5	982.4	980.2	982.4
40°	610.8	759.6	908.5	950.6	957.2	957.2	950.6	945.1	943.0	940.8	943.0
42.5°	579.2	726.3	873.4	915.2	921.7	920.8	912.5	905.7	903.5	901.4	903.5
45°	556.6	687.9	819.3	857.0	863.6	862.5	853.7	846.1	841.7	837.3	841.7
47.5°	522.1	637.7	753.3	790.4	801.3	800.2	787.1	776.1	771.8	767.4	771.8
50°	482.7	596.5	710.4	747.0	758.0	756.9	743.7	732.8	728.4	724.0	728.4
52.5°	455.1	561.9	668.8	702.4	711.6	708.7	693.8	681.6	677.2	672.8	677.2
55°	428.5	518.3	608.0	635.4	642.0	637.6	622.2	609.1	602.5	596.0	602.5
57.5°	366.5	451.8	537.2	563.8	570.8	565.6	548.0	533.0	525.6	518.2	525.6
60°	334.9	411.5	488.2	513.9	522.6	518.3	500.8	484.9	473.9	463.0	473.9
62.5°	299.5	367.3	435.2	461.4	473.6	471.0	453.5	437.6	426.7	415.7	426.7
65°	241.3	300.5	359.6	385.8	401.2	400.1	382.5	366.7	355.7	344.8	355.7
67.5°	189.1	239.9	290.7	316.5	334.1	333.2	313.9	297.3	288.5	279.8	288.5
70°	157.6	201.4	245.2	269.3	286.8	286.8	269.3	253.9	245.2	236.4	245.2
72.5°	137.9	171.2	204.5	227.2	246.5	246.5	227.2	211.0	204.0	197.0	204.0
75°	103.4	123.1	142.8	164.2	186.1	188.3	170.7	156.5	152.1	147.8	152.1
77.5°	74.9	84.1	93.3	110.0	129.3	131.5	116.6	105.0	103.2	101.5	103.2
80°	59.1	61.3	63.5	77.2	94.7	96.9	83.7	73.9	73.9	73.9	73.9
82.5°	39.4	41.6	43.8	53.5	65.8	67.1	57.5	49.8	48.1	46.3	48.1
85°	19.7	19.7	19.7	23.0	27.4	27.4	23.0	19.7	19.7	19.7	19.7
87.5°	4.8	6.1	7.6	10.1	12.8	13.1	11.3	10.3	10.6	10.6	10.6
90°	4.5	10.6	18.2	24.2	28.8	30.3	30.3	31.8	33.3	33.3	33.3
92.5°	16.7	26.3	26.6	26.6	32.4	35.1	37.5	37.8	39.4	39.4	39.4
95°	46.9	51.5	77.2	75.7	51.5	40.9	34.8	34.8	34.8	34.8	34.8
97.5°	89.6	96.3	100.5	134.7	142.3	137.4	112.0	94.1	84.2	79.6	84.2
100°	127.1	130.2	139.3	140.8	178.6	214.9	196.8	174.1	166.5	162.0	166.5
102.5°	164.7	166.5	180.4	186.8	195.6	216.1	279.1	272.2	267.0	266.1	267.0
105°	221.0	222.5	248.2	260.3	266.4	266.4	264.9	295.2	343.6	354.2	343.6
107.5°	281.2	288.2	318.5	350.9	357.8	359.6	351.8	347.2	345.4	346.6	345.4
110°	322.4	333.0	369.3	410.2	420.8	423.8	420.8	416.3	413.2	413.2	413.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	362.4	377.8	419.0	465.9	483.8	492.8	486.2	482.9	479.8	482.2	479.8
115°	423.8	446.5	501.0	549.5	585.8	590.3	588.8	588.8	587.3	587.3	587.3
117.5°	480.7	517.1	578.2	634.5	676.6	688.7	694.8	692.9	691.1	694.2	691.1
120°	520.7	563.1	632.7	696.3	737.1	755.3	761.4	758.3	761.4	758.3	761.4
122.5°	563.1	615.1	683.6	749.6	797.7	818.3	825.5	826.2	826.8	824.9	826.8
125°	626.7	690.2	770.4	838.6	888.5	912.7	918.8	920.3	923.3	930.9	923.3
127.5°	690.8	762.9	851.0	916.7	967.8	997.2	1006.6	1009.9	1016.3	1019.6	1016.3
130°	735.6	817.4	906.7	968.7	1018.7	1050.5	1067.1	1071.7	1079.2	1077.7	1079.2
132.5°	782.9	868.2	958.7	1023.2	1069.5	1103.8	1118.0	1131.0	1133.7	1135.8	1133.7
135°	852.2	944.5	1035.3	1098.9	1142.8	1176.1	1194.3	1206.4	1213.9	1218.5	1213.9
137.5°	925.1	1022.6	1109.8	1166.4	1210.6	1239.4	1260.0	1272.7	1280.5	1284.2	1280.5
140°	974.8	1068.6	1153.4	1212.4	1251.8	1280.5	1298.7	1313.8	1322.9	1322.9	1322.9
142.5°	1022.0	1114.7	1197.0	1256.0	1290.5	1316.9	1336.3	1347.8	1358.0	1358.0	1358.0
145°	1088.3	1180.6	1256.3	1315.4	1344.1	1368.3	1389.5	1398.6	1404.7	1404.7	1404.7
147.5°	1157.6	1239.4	1308.4	1365.0	1389.2	1417.7	1434.3	1441.6	1449.2	1445.8	1449.2
150°	1198.8	1274.5	1341.1	1394.1	1418.3	1445.5	1462.2	1468.2	1475.8	1471.3	1475.8
152.5°	1238.8	1310.8	1371.4	1420.7	1441.3	1468.5	1487.6	1493.7	1498.8	1495.5	1498.8
155°	1292.7	1356.2	1412.2	1457.6	1475.8	1501.5	1519.7	1527.3	1533.3	1525.8	1533.3
157.5°	1340.8	1395.6	1444.3	1486.1	1505.5	1527.6	1544.5	1553.9	1560.0	1556.6	1560.0
160°	1369.9	1419.8	1463.7	1503.1	1521.2	1540.9	1559.1	1569.7	1575.7	1571.2	1575.7
162.5°	1394.1	1439.2	1480.7	1516.4	1532.1	1549.4	1571.2	1580.6	1586.6	1580.9	1586.6
165°	1428.9	1465.2	1501.5	1531.8	1545.4	1559.1	1581.8	1592.4	1596.9	1590.8	1596.9
167.5°	1455.2	1483.1	1512.4	1538.5	1548.5	1561.8	1584.5	1593.3	1599.0	1591.5	1599.0
170°	1469.8	1494.0	1519.7	1540.9	1548.5	1560.6	1583.3	1590.8	1595.4	1587.8	1595.4
172.5°	1481.9	1500.0	1520.9	1539.7	1543.6	1553.3	1574.8	1582.4	1585.7	1579.3	1585.7
175°	1494.0	1504.6	1519.7	1531.8	1530.3	1536.4	1554.5	1560.6	1566.6	1557.5	1566.6
177.5°	1499.7	1504.6	1509.4	1516.7	1511.8	1511.8	1525.2	1528.8	1530.0	1525.2	1530.0
180°	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8
2.5°	1282.6	1282.6	1282.6	1282.6	1282.6	1280.4	1271.6	1262.9	1262.9	1262.9	1256.3
5°	1301.4	1298.7	1296.5	1293.2	1288.8	1281.7	1266.4	1251.1	1244.5	1237.9	1210.0
7.5°	1309.7	1306.2	1302.3	1297.0	1290.5	1280.4	1259.8	1239.2	1209.9	1180.6	1118.4
10°	1305.8	1303.6	1301.4	1297.0	1290.5	1279.5	1255.4	1231.4	1172.3	1113.2	1054.0
12.5°	1301.9	1299.7	1297.5	1292.2	1283.9	1271.2	1245.4	1219.5	1135.9	1052.3	998.9
15°	1291.0	1287.2	1282.8	1277.3	1270.8	1257.1	1222.1	1187.0	1092.9	998.8	953.9
17.5°	1271.2	1267.8	1263.9	1257.5	1248.8	1231.6	1189.1	1146.6	1048.1	949.6	920.7
20°	1251.1	1249.4	1247.2	1241.8	1233.0	1214.9	1169.0	1123.0	1024.5	926.0	912.9
22.5°	1227.9	1227.1	1226.7	1222.1	1213.3	1193.9	1142.7	1091.5	994.7	898.0	898.4
25°	1188.1	1188.7	1190.9	1185.4	1172.3	1147.6	1088.5	1029.4	944.0	858.7	873.4
27.5°	1145.7	1144.0	1141.8	1136.4	1127.6	1102.4	1028.0	953.6	886.1	818.7	843.2
30°	1118.1	1116.4	1114.2	1108.8	1100.0	1072.7	989.5	906.3	849.4	792.5	820.9
32.5°	1086.6	1086.2	1085.8	1082.1	1075.1	1045.1	946.1	847.2	806.0	764.9	794.6
35°	1038.7	1039.3	1039.3	1037.1	1032.7	999.3	878.9	758.5	741.0	723.5	758.5
37.5°	984.5	987.4	990.5	988.7	982.1	943.1	806.5	669.9	675.6	681.2	723.7
40°	945.1	950.6	957.2	957.2	950.6	908.5	759.6	610.8	630.5	650.2	696.1
42.5°	905.7	912.5	920.8	921.7	915.2	873.4	726.3	579.2	600.7	622.1	669.9
45°	846.1	853.7	862.5	863.6	857.0	819.3	687.9	556.6	569.7	582.8	628.8
47.5°	776.1	787.1	800.2	801.3	790.4	753.3	637.7	522.1	531.7	541.4	588.4
50°	732.8	743.7	756.9	758.0	747.0	710.4	596.5	482.7	495.8	509.0	558.2
52.5°	681.6	693.8	708.7	711.6	702.4	668.8	561.9	455.1	463.0	470.9	524.1
55°	609.1	622.2	637.6	642.0	635.4	608.0	518.3	428.5	421.9	415.4	469.6
57.5°	533.0	548.0	565.6	570.8	563.8	537.2	451.8	366.5	360.8	355.1	413.7
60°	484.9	500.8	518.3	522.6	513.9	488.2	411.5	334.9	324.0	313.0	374.3
62.5°	437.6	453.5	471.0	473.6	461.4	435.2	367.3	299.5	292.0	284.6	344.1
65°	366.7	382.5	400.1	401.2	385.8	359.6	300.5	241.3	245.7	250.1	303.7
67.5°	297.3	313.9	333.2	334.1	316.5	290.7	239.9	189.1	203.6	218.0	266.3
70°	253.9	269.3	286.8	286.8	269.3	245.2	201.4	157.6	177.3	197.0	241.3
72.5°	211.0	227.2	246.5	246.5	227.2	204.5	171.2	137.9	157.6	177.3	213.8
75°	156.5	170.7	188.3	186.1	164.2	142.8	123.1	103.4	123.1	142.8	170.7
77.5°	105.0	116.6	131.5	129.3	110.0	93.3	84.1	74.9	91.1	107.3	126.7
80°	73.9	83.7	96.9	94.7	77.2	63.5	61.3	59.1	70.1	81.0	95.2
82.5°	49.8	57.5	67.1	65.8	53.5	43.8	41.6	39.4	48.6	57.8	67.6
85°	19.7	23.0	27.4	27.4	23.0	19.7	19.7	19.7	24.1	28.5	32.8
87.5°	10.3	11.3	13.1	12.8	10.1	7.6	6.1	4.8	7.8	10.8	13.3
90°	31.8	30.3	30.3	28.8	24.2	18.2	10.6	4.5	10.6	16.7	27.2
92.5°	37.8	37.5	35.1	32.4	26.6	26.6	26.3	16.7	28.8	40.9	58.7
95°	34.8	34.8	40.9	51.5	75.7	77.2	51.5	46.9	66.6	93.8	118.1
97.5°	94.1	112.0	137.4	142.3	134.7	100.5	96.3	89.6	122.0	148.9	188.0
100°	174.1	196.8	214.9	178.6	140.8	139.3	130.2	127.1	162.0	187.7	225.5
102.5°	272.2	279.1	216.1	195.6	186.8	180.4	166.5	164.7	199.5	234.9	266.7
105°	295.2	264.9	266.4	266.4	260.3	248.2	222.5	221.0	260.3	301.2	340.6
107.5°	347.2	351.8	359.6	357.8	350.9	318.5	288.2	281.2	316.7	365.7	409.0
110°	416.3	420.8	423.8	420.8	410.2	369.3	333.0	322.4	354.2	405.7	452.6



TEST NUMBER: P1435818

CATALOG NUMBER: SQ2W-FA-K-100U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	482.9	486.2	492.8	483.8	465.9	419.0	377.8	362.4	394.2	446.8	495.0
115°	588.8	588.8	590.3	585.8	549.5	501.0	446.5	423.8	451.1	499.5	552.5
117.5°	692.9	694.8	688.7	676.6	634.5	578.2	517.1	480.7	502.2	553.4	607.9
120°	758.3	761.4	755.3	737.1	696.3	632.7	563.1	520.7	537.3	587.3	641.8
122.5°	826.2	825.5	818.3	797.7	749.6	683.6	615.1	563.1	570.0	616.4	669.6
125°	920.3	918.8	912.7	888.5	838.6	770.4	690.2	626.7	617.6	656.9	711.4
127.5°	1009.9	1006.6	997.2	967.8	916.7	851.0	762.9	690.8	670.5	695.4	745.3
130°	1071.7	1067.1	1050.5	1018.7	968.7	906.7	817.4	735.6	706.9	722.0	765.9
132.5°	1131.0	1118.0	1103.8	1069.5	1023.2	958.7	868.2	782.9	743.2	749.9	784.1
135°	1206.4	1194.3	1176.1	1142.8	1098.9	1035.3	944.5	852.2	797.7	791.6	811.3
137.5°	1272.7	1260.0	1239.4	1210.6	1166.4	1109.8	1022.6	925.1	856.4	836.1	843.7
140°	1313.8	1298.7	1280.5	1251.8	1212.4	1153.4	1068.6	974.8	897.6	868.8	864.3
142.5°	1347.8	1336.3	1316.9	1290.5	1256.0	1197.0	1114.7	1022.0	940.0	902.7	892.1
145°	1398.6	1389.5	1368.3	1344.1	1315.4	1256.3	1180.6	1088.3	1006.6	958.1	935.4
147.5°	1441.6	1434.3	1417.7	1389.2	1365.0	1308.4	1239.4	1157.6	1073.8	1013.8	984.5
150°	1468.2	1462.2	1445.5	1418.3	1394.1	1341.1	1274.5	1198.8	1118.6	1055.0	1017.2
152.5°	1493.7	1487.6	1468.5	1441.3	1420.7	1371.4	1310.8	1238.8	1157.3	1093.8	1054.7
155°	1527.3	1519.7	1501.5	1475.8	1457.6	1412.2	1356.2	1292.7	1223.0	1156.4	1112.5
157.5°	1553.9	1544.5	1527.6	1505.5	1486.1	1444.3	1395.6	1340.8	1279.9	1216.4	1171.6
160°	1569.7	1559.1	1540.9	1521.2	1503.1	1463.7	1419.8	1369.9	1313.8	1256.3	1207.9
162.5°	1580.6	1571.2	1549.4	1532.1	1516.4	1480.7	1439.2	1394.1	1344.1	1293.9	1249.1
165°	1592.4	1581.8	1559.1	1545.4	1531.8	1501.5	1465.2	1428.9	1386.5	1345.6	1309.3
167.5°	1593.3	1584.5	1561.8	1548.5	1538.5	1512.4	1483.1	1455.2	1422.2	1390.1	1359.9
170°	1590.8	1583.3	1560.6	1548.5	1540.9	1519.7	1494.0	1469.8	1444.0	1416.8	1392.6
172.5°	1582.4	1574.8	1553.3	1543.6	1539.7	1520.9	1500.0	1481.9	1459.8	1439.8	1420.4
175°	1560.6	1554.5	1536.4	1530.3	1531.8	1519.7	1504.6	1494.0	1480.4	1468.2	1457.6
177.5°	1528.8	1525.2	1511.8	1511.8	1516.7	1509.4	1504.6	1499.7	1493.7	1490.0	1486.4
180°	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5



TEST NUMBER: P1435818

CATALOG NUMBER: SQ2W-FA-K-100U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8	1270.8
2.5°	1247.6	1240.6	1235.3	1230.9	1229.2	1227.4	1229.2	1230.9	1235.3	1240.6	1247.6
5°	1175.0	1137.8	1098.4	1066.1	1055.1	1044.2	1055.1	1066.1	1098.4	1137.8	1175.0
7.5°	1045.3	1000.4	983.8	970.4	966.9	963.4	966.9	970.4	983.8	1000.4	1045.3
10°	994.9	958.8	945.7	935.8	935.8	935.8	935.8	935.8	945.7	958.8	994.9
12.5°	955.5	933.4	932.6	934.1	942.8	951.6	942.8	934.1	932.6	933.4	955.5
15°	925.4	928.7	963.7	992.8	1003.7	1014.6	1003.7	992.8	963.7	928.7	925.4
17.5°	915.0	933.9	977.2	1011.9	1020.7	1029.4	1020.7	1011.9	977.2	933.9	915.0
20°	928.2	952.3	985.1	1011.9	1020.7	1029.4	1020.7	1011.9	985.1	952.3	928.2
22.5°	931.2	960.6	986.4	1008.0	1016.7	1025.5	1016.7	1008.0	986.4	960.6	931.2
25°	921.6	956.6	978.5	996.0	1000.4	1004.8	1000.4	996.0	978.5	956.6	921.6
27.5°	898.4	936.9	958.8	976.0	979.1	982.1	979.1	976.0	958.8	936.9	898.4
30°	877.8	917.2	939.1	957.2	963.7	970.3	963.7	957.2	939.1	917.2	877.8
32.5°	848.1	888.3	915.5	936.2	937.5	938.8	937.5	936.2	915.5	888.3	848.1
35°	811.1	852.7	883.3	905.7	903.5	901.4	903.5	905.7	883.3	852.7	811.1
37.5°	778.4	819.2	845.9	866.6	869.2	871.8	869.2	866.6	845.9	819.2	778.4
40°	750.9	792.5	820.9	843.3	847.7	852.1	847.7	843.3	820.9	792.5	750.9
42.5°	726.3	768.8	797.3	819.7	824.1	828.5	824.1	819.7	797.3	768.8	726.3
45°	685.7	729.5	760.2	783.7	785.9	788.1	785.9	783.7	760.2	729.5	685.7
47.5°	648.0	692.0	720.4	742.3	744.5	746.7	744.5	742.3	720.4	692.0	648.0
50°	619.5	664.4	692.8	714.7	716.9	719.1	716.9	714.7	692.8	664.4	619.5
52.5°	592.4	639.0	664.0	683.2	685.4	687.6	685.4	683.2	664.0	639.0	592.4
55°	544.0	593.2	617.3	635.4	635.4	635.4	635.4	635.4	617.3	593.2	544.0
57.5°	493.9	544.4	565.4	581.9	584.5	587.1	584.5	581.9	565.4	544.4	493.9
60°	459.7	511.2	528.7	542.9	547.3	551.7	547.3	542.9	528.7	511.2	459.7
62.5°	426.0	475.7	493.2	507.0	509.6	512.2	509.6	507.0	493.2	475.7	426.0
65°	373.8	417.6	435.1	448.8	451.0	453.1	451.0	448.8	435.1	417.6	373.8
67.5°	325.8	361.7	374.0	383.6	385.4	387.1	385.4	383.6	374.0	361.7	325.8
70°	293.9	324.5	333.3	339.9	339.9	339.9	339.9	339.9	333.3	324.5	293.9
72.5°	255.8	281.2	289.9	297.0	298.7	300.5	298.7	297.0	289.9	281.2	255.8
75°	201.4	220.0	226.6	232.0	234.2	236.4	234.2	232.0	226.6	220.0	201.4
77.5°	147.3	159.6	163.5	167.0	169.2	171.4	169.2	167.0	163.5	159.6	147.3
80°	110.5	119.3	121.5	123.7	125.9	128.1	125.9	123.7	121.5	119.3	110.5
82.5°	77.7	83.8	86.0	87.8	88.2	88.7	88.2	87.8	86.0	83.8	77.7
85°	37.2	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	37.2
87.5°	14.8	17.0	19.1	20.3	21.5	20.9	21.5	20.3	19.1	17.0	14.8
90°	34.8	45.4	56.0	62.1	68.1	65.1	68.1	62.1	56.0	45.4	34.8
92.5°	69.9	87.8	100.8	111.7	116.6	115.9	116.6	111.7	100.8	87.8	69.9
95°	140.8	162.0	183.2	198.3	207.4	204.3	207.4	198.3	183.2	162.0	140.8
97.5°	217.1	245.5	269.1	283.4	292.4	298.5	292.4	283.4	269.1	245.5	217.1
100°	267.9	295.2	322.4	339.1	354.2	360.2	354.2	339.1	322.4	295.2	267.9
102.5°	309.1	344.8	374.5	392.3	405.1	411.1	405.1	392.3	374.5	344.8	309.1
105°	376.9	414.7	446.5	469.2	482.9	487.4	482.9	469.2	446.5	414.7	376.9
107.5°	444.7	483.8	513.1	538.3	554.9	564.6	554.9	538.3	513.1	483.8	444.7
110°	498.0	529.8	561.6	584.3	600.9	607.0	600.9	584.3	561.6	529.8	498.0



TEST NUMBER: P1435818

CATALOG NUMBER: SQ2W-FA-K-100U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	542.8	578.2	610.0	632.7	651.8	660.3	651.8	632.7	610.0	578.2	542.8
115°	605.5	652.4	681.1	702.3	716.0	723.5	716.0	702.3	681.1	652.4	605.5
117.5°	657.5	706.6	738.1	754.4	760.8	766.2	760.8	754.4	738.1	706.6	657.5
120°	690.2	735.6	772.0	793.2	800.7	803.7	800.7	793.2	772.0	735.6	690.2
122.5°	720.5	763.5	798.6	824.6	837.0	840.1	837.0	824.6	798.6	763.5	720.5
125°	762.9	803.7	840.1	865.8	879.4	887.0	879.4	865.8	840.1	803.7	762.9
127.5°	799.8	844.0	877.3	900.6	913.9	920.0	913.9	900.6	877.3	844.0	799.8
130°	820.4	865.8	899.1	924.8	937.0	943.0	937.0	924.8	899.1	865.8	820.4
132.5°	836.1	884.0	918.5	941.8	955.1	961.2	955.1	941.8	918.5	884.0	836.1
135°	855.2	905.2	941.5	964.2	976.3	982.4	976.3	964.2	941.5	905.2	855.2
137.5°	871.9	917.3	955.1	979.0	989.9	993.9	989.9	979.0	955.1	917.3	871.9
140°	884.0	923.3	961.2	983.9	996.0	997.5	996.0	983.9	961.2	923.3	884.0
142.5°	899.7	930.6	963.6	986.3	998.4	1001.1	998.4	986.3	963.6	930.6	899.7
145°	927.9	946.0	968.7	989.9	1000.5	1003.6	1000.5	989.9	968.7	946.0	927.9
147.5°	963.3	969.0	980.8	994.8	1005.1	1007.2	1005.1	994.8	980.8	969.0	963.3
150°	989.9	988.4	993.0	1002.0	1011.1	1009.6	1011.1	1002.0	993.0	988.4	989.9
152.5°	1020.2	1011.4	1011.1	1015.4	1019.6	1019.3	1019.6	1015.4	1011.1	1011.4	1020.2
155°	1071.7	1055.0	1045.9	1042.9	1042.9	1041.4	1042.9	1042.9	1045.9	1055.0	1071.7
157.5°	1128.3	1105.0	1091.3	1084.1	1082.0	1078.6	1082.0	1084.1	1091.3	1105.0	1128.3
160°	1167.0	1141.3	1127.7	1115.6	1111.0	1106.5	1111.0	1115.6	1127.7	1141.3	1167.0
162.5°	1203.4	1178.8	1164.0	1153.1	1148.6	1141.6	1148.6	1153.1	1164.0	1178.8	1203.4
165°	1262.4	1236.7	1220.0	1210.9	1204.9	1198.8	1204.9	1210.9	1220.0	1236.7	1262.4
167.5°	1321.4	1293.3	1282.4	1272.1	1266.3	1255.4	1266.3	1272.1	1282.4	1293.3	1321.4
170°	1357.7	1332.0	1326.0	1316.9	1306.3	1294.2	1306.3	1316.9	1326.0	1332.0	1357.7
172.5°	1389.2	1372.0	1365.9	1356.8	1353.5	1343.8	1353.5	1356.8	1365.9	1372.0	1389.2
175°	1434.9	1421.3	1421.3	1419.8	1415.3	1406.2	1415.3	1419.8	1421.3	1421.3	1434.9
177.5°	1473.1	1465.8	1470.7	1470.7	1469.5	1461.0	1469.5	1470.7	1470.7	1465.8	1473.1
180°	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5



TEST NUMBER: P1435818

CATALOG NUMBER: SQ2W-FA-K-100U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1270.8	1270.8	1270.8	1270.8
2.5°	1256.3	1262.9	1262.9	1262.9
5°	1210.0	1237.9	1244.5	1251.1
7.5°	1118.4	1180.6	1209.9	1239.2
10°	1054.0	1113.2	1172.3	1231.4
12.5°	998.9	1052.3	1135.9	1219.5
15°	953.9	998.8	1092.9	1187.0
17.5°	920.7	949.6	1048.1	1146.6
20°	912.9	926.0	1024.5	1123.0
22.5°	898.4	898.0	994.7	1091.5
25°	873.4	858.7	944.0	1029.4
27.5°	843.2	818.7	886.1	953.6
30°	820.9	792.5	849.4	906.3
32.5°	794.6	764.9	806.0	847.2
35°	758.5	723.5	741.0	758.5
37.5°	723.7	681.2	675.6	669.9
40°	696.1	650.2	630.5	610.8
42.5°	669.9	622.1	600.7	579.2
45°	628.8	582.8	569.7	556.6
47.5°	588.4	541.4	531.7	522.1
50°	558.2	509.0	495.8	482.7
52.5°	524.1	470.9	463.0	455.1
55°	469.6	415.4	421.9	428.5
57.5°	413.7	355.1	360.8	366.5
60°	374.3	313.0	324.0	334.9
62.5°	344.1	284.6	292.0	299.5
65°	303.7	250.1	245.7	241.3
67.5°	266.3	218.0	203.6	189.1
70°	241.3	197.0	177.3	157.6
72.5°	213.8	177.3	157.6	137.9
75°	170.7	142.8	123.1	103.4
77.5°	126.7	107.3	91.1	74.9
80°	95.2	81.0	70.1	59.1
82.5°	67.6	57.8	48.6	39.4
85°	32.8	28.5	24.1	19.7
87.5°	13.3	10.8	7.8	4.8
90°	27.2	16.7	10.6	4.5
92.5°	58.7	40.9	28.8	16.7
95°	118.1	93.8	66.6	46.9
97.5°	188.0	148.9	122.0	89.6
100°	225.5	187.7	162.0	127.1
102.5°	266.7	234.9	199.5	164.7
105°	340.6	301.2	260.3	221.0
107.5°	409.0	365.7	316.7	281.2
110°	452.6	405.7	354.2	322.4



TEST NUMBER: P1435818

CATALOG NUMBER: SQ2W-FA-K-100U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	495.0	446.8	394.2	362.4
115°	552.5	499.5	451.1	423.8
117.5°	607.9	553.4	502.2	480.7
120°	641.8	587.3	537.3	520.7
122.5°	669.6	616.4	570.0	563.1
125°	711.4	656.9	617.6	626.7
127.5°	745.3	695.4	670.5	690.8
130°	765.9	722.0	706.9	735.6
132.5°	784.1	749.9	743.2	782.9
135°	811.3	791.6	797.7	852.2
137.5°	843.7	836.1	856.4	925.1
140°	864.3	868.8	897.6	974.8
142.5°	892.1	902.7	940.0	1022.0
145°	935.4	958.1	1006.6	1088.3
147.5°	984.5	1013.8	1073.8	1157.6
150°	1017.2	1055.0	1118.6	1198.8
152.5°	1054.7	1093.8	1157.3	1238.8
155°	1112.5	1156.4	1223.0	1292.7
157.5°	1171.6	1216.4	1279.9	1340.8
160°	1207.9	1256.3	1313.8	1369.9
162.5°	1249.1	1293.9	1344.1	1394.1
165°	1309.3	1345.6	1386.5	1428.9
167.5°	1359.9	1390.1	1422.2	1455.2
170°	1392.6	1416.8	1444.0	1469.8
172.5°	1420.4	1439.8	1459.8	1481.9
175°	1457.6	1468.2	1480.4	1494.0
177.5°	1486.4	1490.0	1493.7	1499.7
180°	1498.5	1498.5	1498.5	1498.5



TEST NUMBER: P1435818
 CATALOG NUMBER: SQ2W-FA-K-100U-075D-L835-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	16.08	16.87	17.10	17.90	19.29	17.28	18.07	18.30	19.10	20.48
	3H	17.16	17.87	18.20	18.91	20.31	18.52	19.23	19.55	20.27	21.67
	4H	17.51	18.18	18.56	19.23	20.64	18.90	19.58	19.95	20.62	22.03
	6H	17.67	18.29	18.73	19.34	20.76	19.06	19.68	20.12	20.73	22.15
	8H	17.70	18.29	18.76	19.35	20.77	19.08	19.67	20.14	20.73	22.15
	12H	17.70	18.26	18.76	19.31	20.75	19.06	19.62	20.13	20.68	22.12
4H	2H	16.94	17.61	17.99	18.65	20.06	17.85	18.53	18.91	19.57	20.98
	3H	18.32	18.88	19.38	19.95	21.37	19.31	19.87	20.37	20.94	22.36
	4H	18.77	19.29	19.84	20.35	21.79	19.78	20.30	20.85	21.36	22.80
	6H	19.00	19.44	20.07	20.52	21.96	20.00	20.44	21.08	21.53	22.97
	8H	19.05	19.47	20.13	20.54	22.00	20.05	20.46	21.12	21.54	22.99
	12H	19.05	19.42	20.15	20.52	21.97	20.03	20.41	21.13	21.50	22.96
8H	4H	19.15	19.56	20.23	20.64	22.09	19.97	20.38	21.05	21.46	22.92
	6H	19.50	19.84	20.60	20.96	22.41	20.28	20.62	21.38	21.74	23.19
	8H	19.62	19.91	20.72	21.01	22.49	20.38	20.68	21.49	21.78	23.25
	12H	19.65	19.91	20.76	21.01	22.52	20.39	20.65	21.50	21.75	23.26
12H	4H	19.15	19.52	20.24	20.61	22.07	19.94	20.31	21.03	21.40	22.86
	6H	19.57	19.87	20.67	20.97	22.44	20.30	20.60	21.41	21.70	23.17
	8H	19.71	19.97	20.82	21.07	22.58	20.41	20.67	21.52	21.77	23.28