

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: P1435986

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

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435986
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-FB-K-100U-075D-L835-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS BATWING 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

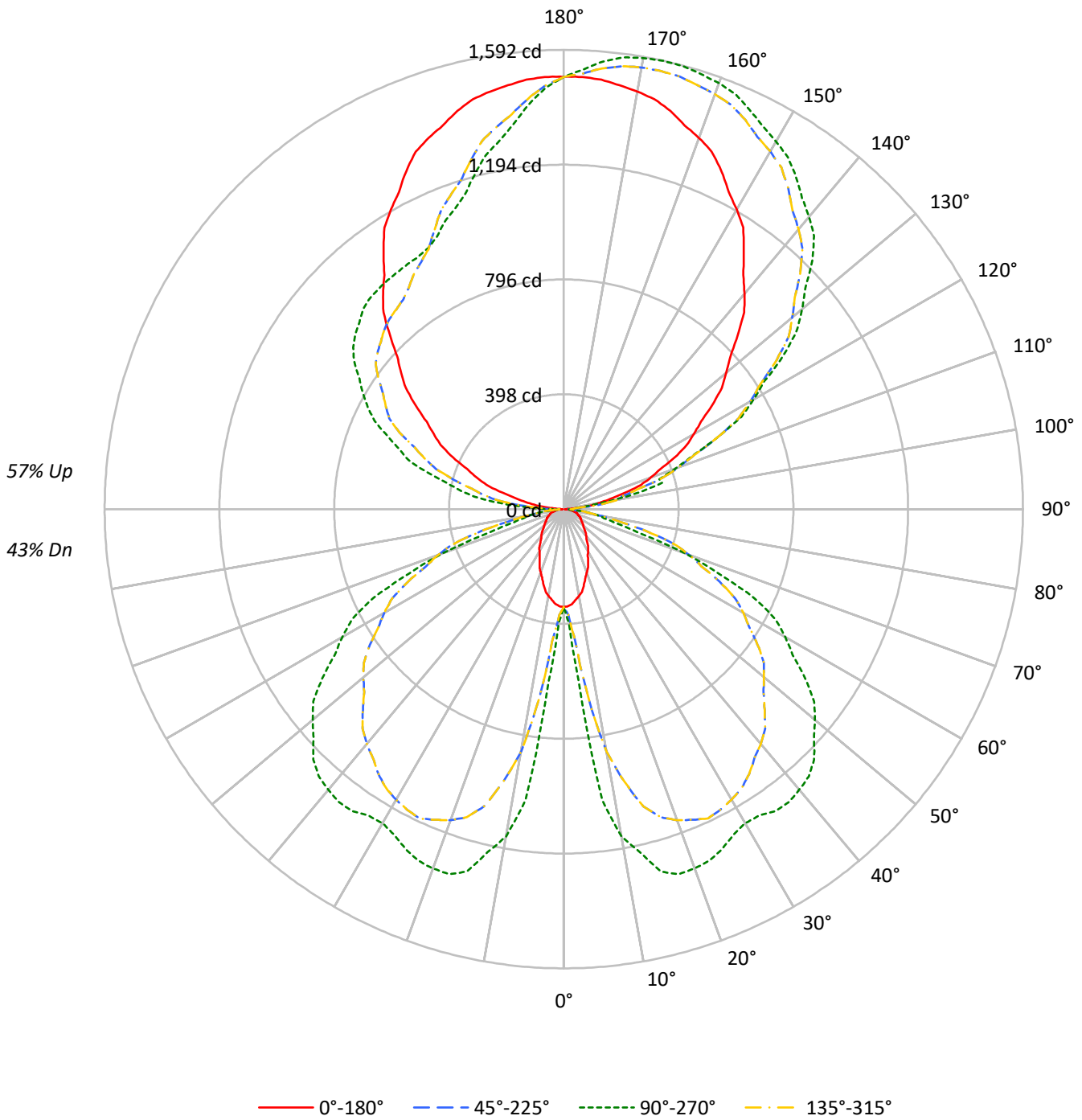
Lumens per Lamp: N/A
Luminaire Lumens: 7735.3 lumens
Efficiency: N/A
Efficacy: 129.4 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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	50	30	10	0	
RCR																						
0	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50	43				43
1	96	92	88	84	88	84	81	78	70	67	65	56	55	53	44	43	42				36	
2	87	80	74	68	79	73	68	63	61	57	53	49	46	44	38	36	35				30	
3	79	70	62	56	72	64	57	52	53	48	44	43	39	37	34	31	29				25	
4	72	61	53	47	66	56	49	44	47	41	37	38	34	31	30	27	25				21	
5	66	54	46	40	60	50	43	37	41	36	32	34	30	26	26	23	21				18	
6	61	48	40	34	55	45	37	32	37	31	27	30	26	23	24	21	18				15	
7	56	43	35	30	51	40	33	28	33	28	24	27	23	20	21	18	16				13	
8	52	39	31	26	47	36	29	24	30	25	21	25	21	17	20	16	14				12	
9	48	36	28	23	44	33	26	21	28	22	18	23	18	15	18	15	13				10	
10	45	32	25	20	41	30	23	19	25	20	16	21	17	14	16	13	11				9	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	5483	5483	5483	5483
5°	5345	9710	5345	9710
10°	5005	18896	5005	18896
15°	4530	21748	4530	21748
20°	4010	22776	4010	22776
25°	3549	23150	3549	23150
30°	3134	23435	3134	23435
35°	2799	25195	2799	25195
40°	2546	26769	2546	26769
45°	2347	28032	2347	28032
50°	2215	28539	2215	28539
55°	2159	28768	2159	28768
60°	2215	28626	2215	28626
65°	2307	27816	2307	27816
70°	2389	21040	2389	21040
75°	2645	11609	2645	11609
80°	2734	10776	2734	10776
85°	2723	4539	2723	4539

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 52.5°
 Luminance: 29026 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.9	0.7
10°-20°	259.6	3.4
20°-30°	456.8	5.9
30°-40°	591.3	7.6
40°-50°	652.1	8.4
50°-60°	608.6	7.9
60°-70°	470.2	6.1
70°-80°	216.8	2.8
80°-90°	47.6	0.6
90°-100°	119.3	1.5
100°-110°	347.8	4.5
110°-120°	567.6	7.3
120°-130°	720.2	9.3
130°-140°	770.6	10.0
140°-150°	719.6	9.3
150°-160°	592.1	7.7
160°-170°	397.1	5.1
170°-180°	141.0	1.8
0°-30°	773.3	10.0
0°-40°	1364.6	17.6
0°-60°	2625.3	33.9
0°-90°	3359.9	43.4
90°-120°	1034.6	13.4
90°-150°	3245.1	42.0
90°-180°	4375.0	56.6
0°-180°	7735.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	340	340	340	340	340	
5°	330	599	330	599	330	31
15°	271	1301	271	1301	271	76
25°	199	1300	199	1300	199	91
35°	142	1278	142	1278	142	89
45°	103	1228	103	1228	103	80
55°	77	1022	77	1022	77	69
65°	60	728	60	728	60	59
75°	42	186	42	186	42	44
85°	15	24	15	24	15	15
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°	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6
2.5°	337.0	343.3	349.7	356.5	363.5	371.1	379.2	386.1	389.6	393.1	389.6
5°	329.8	351.5	373.3	404.9	439.7	479.2	523.5	561.4	580.3	599.1	580.3
7.5°	317.0	361.3	405.6	499.3	609.6	724.1	842.8	941.3	979.0	1016.7	979.0
10°	305.3	367.0	428.6	587.7	779.3	926.5	1029.6	1111.9	1132.2	1152.6	1132.2
12.5°	292.2	375.9	459.7	656.1	890.0	1043.1	1115.3	1174.8	1195.7	1216.5	1195.7
15°	271.0	390.7	510.4	732.5	988.6	1146.0	1204.8	1254.7	1277.9	1301.1	1277.9
17.5°	249.1	408.5	567.8	794.3	1043.1	1196.7	1254.9	1301.7	1314.3	1326.9	1314.3
20°	233.4	420.6	607.8	834.8	1074.9	1220.0	1270.1	1309.6	1317.6	1325.6	1317.6
22.5°	219.1	428.3	637.6	864.8	1098.0	1233.5	1271.4	1301.9	1310.5	1319.1	1310.5
25°	199.2	435.0	670.8	897.3	1120.8	1244.5	1268.5	1287.9	1293.7	1299.5	1293.7
27.5°	179.9	429.1	678.2	901.9	1117.1	1232.5	1248.2	1261.4	1267.0	1272.7	1267.0
30°	168.1	421.4	674.6	896.3	1107.4	1218.8	1230.4	1241.1	1249.1	1257.0	1249.1
32.5°	157.7	412.1	666.5	885.4	1092.4	1201.5	1212.5	1225.1	1242.4	1259.6	1242.4
35°	142.0	392.3	642.7	859.2	1064.6	1176.0	1193.4	1214.4	1246.3	1278.3	1246.3
37.5°	128.6	367.1	605.5	819.8	1026.2	1147.6	1184.0	1219.0	1249.8	1280.5	1249.8
40°	120.8	349.4	577.9	790.7	998.2	1126.3	1174.9	1217.9	1244.0	1270.1	1244.0
42.5°	113.0	329.3	545.7	756.7	966.0	1099.0	1155.7	1204.8	1230.9	1257.0	1230.9
45°	102.8	297.3	491.7	700.9	914.9	1055.3	1122.1	1178.3	1203.0	1227.7	1203.0
47.5°	93.4	262.3	431.2	641.3	865.0	1012.3	1083.1	1140.7	1158.7	1176.7	1158.7
50°	88.2	239.1	390.0	600.8	831.5	981.7	1051.3	1107.2	1121.7	1136.2	1121.7
52.5°	82.9	216.4	349.9	561.1	798.3	949.6	1015.2	1067.7	1081.1	1094.4	1081.1
55°	76.7	185.6	294.4	503.4	745.7	895.5	952.8	998.7	1010.3	1022.0	1010.3
57.5°	71.2	159.0	246.8	449.2	689.8	834.5	883.4	922.4	931.9	941.3	931.9
60°	68.6	144.7	220.9	415.2	648.8	787.8	832.0	867.6	877.0	886.5	877.0
62.5°	64.6	131.0	197.3	381.2	604.4	736.4	777.2	810.0	818.8	827.7	818.8
65°	60.4	114.1	167.8	333.6	536.7	655.4	689.5	716.5	722.3	728.1	722.3
67.5°	54.5	100.1	145.7	289.9	467.1	566.3	587.5	600.7	589.8	578.9	589.8
70°	50.6	92.7	134.8	263.4	420.8	503.2	510.4	508.1	476.9	445.7	476.9
72.5°	48.0	85.4	122.9	234.2	370.2	430.2	414.2	387.5	328.4	269.4	328.4
75°	42.4	72.9	103.4	187.2	288.8	304.7	235.1	183.2	184.7	186.1	184.7
77.5°	34.6	57.4	80.2	131.7	192.8	204.9	168.0	140.7	142.0	143.3	142.0
80°	29.4	47.5	65.7	86.0	107.0	116.8	115.4	114.5	115.2	115.9	115.2
82.5°	24.2	37.7	51.2	63.3	75.1	81.7	83.1	84.0	83.0	82.0	83.0
85°	14.7	22.7	30.7	35.4	39.0	37.9	32.1	27.4	25.9	24.5	25.9
87.5°	6.1	10.2	14.7	14.9	13.4	12.6	12.6	12.9	13.2	13.2	13.2
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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CATALOG NUMBER: SQ2W-FB-K-100U-075D-L835-UNV-STD-W-WM-4

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°	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6
2.5°	386.1	379.2	371.1	363.5	356.5	349.7	343.3	337.0	343.3	349.7	356.5
5°	561.4	523.5	479.2	439.7	404.9	373.3	351.5	329.8	351.5	373.3	404.9
7.5°	941.3	842.8	724.1	609.6	499.3	405.6	361.3	317.0	361.3	405.6	499.3
10°	1111.9	1029.6	926.5	779.3	587.7	428.6	367.0	305.3	367.0	428.6	587.7
12.5°	1174.8	1115.3	1043.1	890.0	656.1	459.7	375.9	292.2	375.9	459.7	656.1
15°	1254.7	1204.8	1146.0	988.6	732.5	510.4	390.7	271.0	390.7	510.4	732.5
17.5°	1301.7	1254.9	1196.7	1043.1	794.3	567.8	408.5	249.1	408.5	567.8	794.3
20°	1309.6	1270.1	1220.0	1074.9	834.8	607.8	420.6	233.4	420.6	607.8	834.8
22.5°	1301.9	1271.4	1233.5	1098.0	864.8	637.6	428.3	219.1	428.3	637.6	864.8
25°	1287.9	1268.5	1244.5	1120.8	897.3	670.8	435.0	199.2	435.0	670.8	897.3
27.5°	1261.4	1248.2	1232.5	1117.1	901.9	678.2	429.1	179.9	429.1	678.2	901.9
30°	1241.1	1230.4	1218.8	1107.4	896.3	674.6	421.4	168.1	421.4	674.6	896.3
32.5°	1225.1	1212.5	1201.5	1092.4	885.4	666.5	412.1	157.7	412.1	666.5	885.4
35°	1214.4	1193.4	1176.0	1064.6	859.2	642.7	392.3	142.0	392.3	642.7	859.2
37.5°	1219.0	1184.0	1147.6	1026.2	819.8	605.5	367.1	128.6	367.1	605.5	819.8
40°	1217.9	1174.9	1126.3	998.2	790.7	577.9	349.4	120.8	349.4	577.9	790.7
42.5°	1204.8	1155.7	1099.0	966.0	756.7	545.7	329.3	113.0	329.3	545.7	756.7
45°	1178.3	1122.1	1055.3	914.9	700.9	491.7	297.3	102.8	297.3	491.7	700.9
47.5°	1140.7	1083.1	1012.3	865.0	641.3	431.2	262.3	93.4	262.3	431.2	641.3
50°	1107.2	1051.3	981.7	831.5	600.8	390.0	239.1	88.2	239.1	390.0	600.8
52.5°	1067.7	1015.2	949.6	798.3	561.1	349.9	216.4	82.9	216.4	349.9	561.1
55°	998.7	952.8	895.5	745.7	503.4	294.4	185.6	76.7	185.6	294.4	503.4
57.5°	922.4	883.4	834.5	689.8	449.2	246.8	159.0	71.2	159.0	246.8	449.2
60°	867.6	832.0	787.8	648.8	415.2	220.9	144.7	68.6	144.7	220.9	415.2
62.5°	810.0	777.2	736.4	604.4	381.2	197.3	131.0	64.6	131.0	197.3	381.2
65°	716.5	689.5	655.4	536.7	333.6	167.8	114.1	60.4	114.1	167.8	333.6
67.5°	600.7	587.5	566.3	467.1	289.9	145.7	100.1	54.5	100.1	145.7	289.9
70°	508.1	510.4	503.2	420.8	263.4	134.8	92.7	50.6	92.7	134.8	263.4
72.5°	387.5	414.2	430.2	370.2	234.2	122.9	85.4	48.0	85.4	122.9	234.2
75°	183.2	235.1	304.7	288.8	187.2	103.4	72.9	42.4	72.9	103.4	187.2
77.5°	140.7	168.0	204.9	192.8	131.7	80.2	57.4	34.6	57.4	80.2	131.7
80°	114.5	115.4	116.8	107.0	86.0	65.7	47.5	29.4	47.5	65.7	86.0
82.5°	84.0	83.1	81.7	75.1	63.3	51.2	37.7	24.2	37.7	51.2	63.3
85°	27.4	32.1	37.9	39.0	35.4	30.7	22.7	14.7	22.7	30.7	35.4
87.5°	12.9	12.6	12.6	13.4	14.9	14.7	10.2	6.1	10.2	14.4	15.5
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: P1435986

CATALOG NUMBER: SQ2W-FB-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: P1435986

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6	339.6
2.5°	363.5	371.1	379.2	386.1	389.6	393.1	389.6	386.1	379.2	371.1	363.5
5°	439.7	479.2	523.5	561.4	580.3	599.1	580.3	561.4	523.5	479.2	439.7
7.5°	609.6	724.1	842.8	941.3	979.0	1016.7	979.0	941.3	842.8	724.1	609.6
10°	779.3	926.5	1029.6	1111.9	1132.2	1152.6	1132.2	1111.9	1029.6	926.5	779.3
12.5°	890.0	1043.1	1115.3	1174.8	1195.7	1216.5	1195.7	1174.8	1115.3	1043.1	890.0
15°	988.6	1146.0	1204.8	1254.7	1277.9	1301.1	1277.9	1254.7	1204.8	1146.0	988.6
17.5°	1043.1	1196.7	1254.9	1301.7	1314.3	1326.9	1314.3	1301.7	1254.9	1196.7	1043.1
20°	1074.9	1220.0	1270.1	1309.6	1317.6	1325.6	1317.6	1309.6	1270.1	1220.0	1074.9
22.5°	1098.0	1233.5	1271.4	1301.9	1310.5	1319.1	1310.5	1301.9	1271.4	1233.5	1098.0
25°	1120.8	1244.5	1268.5	1287.9	1293.7	1299.5	1293.7	1287.9	1268.5	1244.5	1120.8
27.5°	1117.1	1232.5	1248.2	1261.4	1267.0	1272.7	1267.0	1261.4	1248.2	1232.5	1117.1
30°	1107.4	1218.8	1230.4	1241.1	1249.1	1257.0	1249.1	1241.1	1230.4	1218.8	1107.4
32.5°	1092.4	1201.5	1212.5	1225.1	1242.4	1259.6	1242.4	1225.1	1212.5	1201.5	1092.4
35°	1064.6	1176.0	1193.4	1214.4	1246.3	1278.3	1246.3	1214.4	1193.4	1176.0	1064.6
37.5°	1026.2	1147.6	1184.0	1219.0	1249.8	1280.5	1249.8	1219.0	1184.0	1147.6	1026.2
40°	998.2	1126.3	1174.9	1217.9	1244.0	1270.1	1244.0	1217.9	1174.9	1126.3	998.2
42.5°	966.0	1099.0	1155.7	1204.8	1230.9	1257.0	1230.9	1204.8	1155.7	1099.0	966.0
45°	914.9	1055.3	1122.1	1178.3	1203.0	1227.7	1203.0	1178.3	1122.1	1055.3	914.9
47.5°	865.0	1012.3	1083.1	1140.7	1158.7	1176.7	1158.7	1140.7	1083.1	1012.3	865.0
50°	831.5	981.7	1051.3	1107.2	1121.7	1136.2	1121.7	1107.2	1051.3	981.7	831.5
52.5°	798.3	949.6	1015.2	1067.7	1081.1	1094.4	1081.1	1067.7	1015.2	949.6	798.3
55°	745.7	895.5	952.8	998.7	1010.3	1022.0	1010.3	998.7	952.8	895.5	745.7
57.5°	689.8	834.5	883.4	922.4	931.9	941.3	931.9	922.4	883.4	834.5	689.8
60°	648.8	787.8	832.0	867.6	877.0	886.5	877.0	867.6	832.0	787.8	648.8
62.5°	604.4	736.4	777.2	810.0	818.8	827.7	818.8	810.0	777.2	736.4	604.4
65°	536.7	655.4	689.5	716.5	722.3	728.1	722.3	716.5	689.5	655.4	536.7
67.5°	467.1	566.3	587.5	600.7	589.8	578.9	589.8	600.7	587.5	566.3	467.1
70°	420.8	503.2	510.4	508.1	476.9	445.7	476.9	508.1	510.4	503.2	420.8
72.5°	370.2	430.2	414.2	387.5	328.4	269.4	328.4	387.5	414.2	430.2	370.2
75°	288.8	304.7	235.1	183.2	184.7	186.1	184.7	183.2	235.1	304.7	288.8
77.5°	192.8	204.9	168.0	140.7	142.0	143.3	142.0	140.7	168.0	204.9	192.8
80°	107.0	116.8	115.4	114.5	115.2	115.9	115.2	114.5	115.4	116.8	107.0
82.5°	75.1	81.7	83.1	84.0	83.0	82.0	83.0	84.0	83.1	81.7	75.1
85°	39.0	37.9	32.1	27.4	25.9	24.5	25.9	27.4	32.1	37.9	39.0
87.5°	14.7	15.6	17.7	18.9	20.2	19.5	20.2	18.9	17.7	15.6	14.7
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: P1435986

CATALOG NUMBER: SQ2W-FB-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: P1435986

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	339.6	339.6	339.6	339.6
2.5°	356.5	349.7	343.3	337.0
5°	404.9	373.3	351.5	329.8
7.5°	499.3	405.6	361.3	317.0
10°	587.7	428.6	367.0	305.3
12.5°	656.1	459.7	375.9	292.2
15°	732.5	510.4	390.7	271.0
17.5°	794.3	567.8	408.5	249.1
20°	834.8	607.8	420.6	233.4
22.5°	864.8	637.6	428.3	219.1
25°	897.3	670.8	435.0	199.2
27.5°	901.9	678.2	429.1	179.9
30°	896.3	674.6	421.4	168.1
32.5°	885.4	666.5	412.1	157.7
35°	859.2	642.7	392.3	142.0
37.5°	819.8	605.5	367.1	128.6
40°	790.7	577.9	349.4	120.8
42.5°	756.7	545.7	329.3	113.0
45°	700.9	491.7	297.3	102.8
47.5°	641.3	431.2	262.3	93.4
50°	600.8	390.0	239.1	88.2
52.5°	561.1	349.9	216.4	82.9
55°	503.4	294.4	185.6	76.7
57.5°	449.2	246.8	159.0	71.2
60°	415.2	220.9	144.7	68.6
62.5°	381.2	197.3	131.0	64.6
65°	333.6	167.8	114.1	60.4
67.5°	289.9	145.7	100.1	54.5
70°	263.4	134.8	92.7	50.6
72.5°	234.2	122.9	85.4	48.0
75°	187.2	103.4	72.9	42.4
77.5°	131.7	80.2	57.4	34.6
80°	86.0	65.7	47.5	29.4
82.5°	63.3	51.2	37.7	24.2
85°	35.4	30.7	22.7	14.7
87.5°	15.5	14.4	10.2	6.1
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: P1435986

CATALOG NUMBER: SQ2W-FB-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: P1435986
 CATALOG NUMBER: SQ2W-FB-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	11.45	12.28	12.46	13.30	14.66	21.05	21.88	22.05	22.90	24.25
	3H	12.39	13.13	13.40	14.16	15.54	22.65	23.39	23.67	24.42	25.80
	4H	12.78	13.49	13.81	14.52	15.91	22.83	23.53	23.86	24.56	25.95
	6H	13.04	13.68	14.08	14.72	16.12	22.90	23.55	23.94	24.58	25.98
	8H	13.13	13.74	14.17	14.80	16.19	22.92	23.53	23.96	24.59	25.98
	12H	13.18	13.76	14.23	14.81	16.23	22.89	23.48	23.94	24.53	25.95
4H	2H	16.17	16.87	17.20	17.90	19.29	21.41	22.11	22.44	23.14	24.53
	3H	17.29	17.88	18.34	18.94	20.34	23.29	23.88	24.34	24.94	26.34
	4H	17.57	18.11	18.62	19.16	20.58	23.51	24.05	24.57	25.10	26.53
	6H	17.71	18.17	18.77	19.24	20.66	23.64	24.10	24.70	25.18	26.60
	8H	17.74	18.17	18.81	19.24	20.68	23.69	24.12	24.75	25.18	26.62
	12H	17.74	18.13	18.83	19.22	20.65	23.67	24.06	24.75	25.14	26.58
8H	4H	18.76	19.19	19.82	20.26	21.69	23.60	24.03	24.66	25.10	26.53
	6H	19.02	19.37	20.10	20.48	21.91	23.80	24.15	24.88	25.26	26.69
	8H	19.12	19.43	20.21	20.52	21.97	23.89	24.20	24.98	25.29	26.74
	12H	19.16	19.43	20.25	20.52	22.01	23.89	24.16	24.99	25.25	26.74
12H	4H	18.78	19.17	19.87	20.26	21.69	23.55	23.94	24.63	25.02	26.46
	6H	19.13	19.44	20.22	20.53	21.98	23.78	24.09	24.87	25.18	26.64
	8H	19.26	19.53	20.36	20.62	22.11	23.88	24.15	24.98	25.24	26.73