

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: P1435992

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

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435992
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-100D-L835-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS BATWING ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

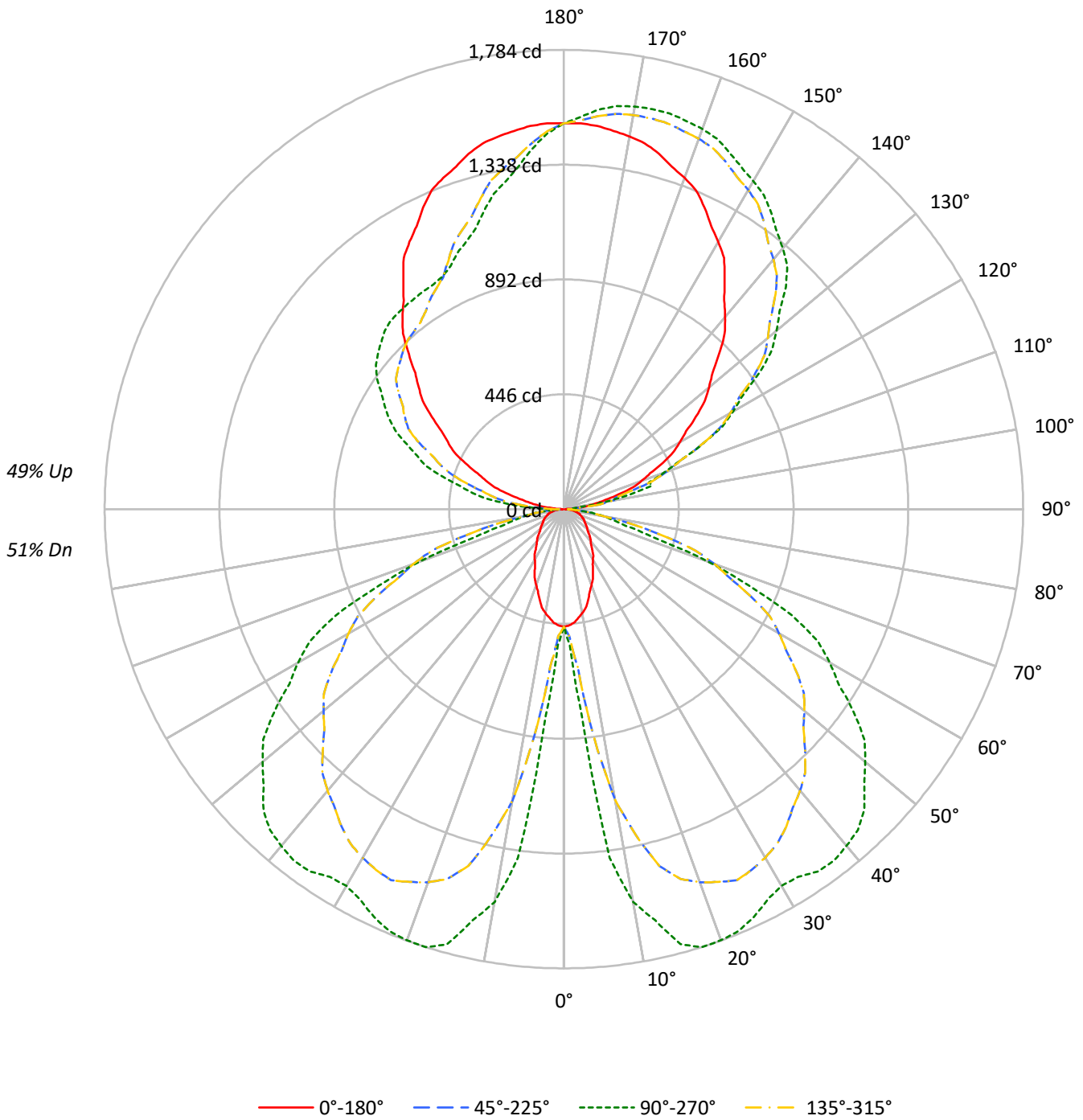
Lumens per Lamp: N/A
Luminaire Lumens: 8890.7 lumens
Efficiency: N/A
Efficacy: 125.8 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 70.7
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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CATALOG NUMBER: SQ2W-FB-K-100U-100D-L835-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1435992

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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	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	51				
1	98	93	89	86	90	86	83	80	73	71	68	61	59	58	50	49	48	42				
2	89	81	75	69	82	75	70	65	64	60	56	53	50	48	43	41	40	35				
3	81	71	63	57	74	66	59	54	56	51	47	47	43	40	38	35	33	29				
4	73	62	54	48	67	58	51	45	49	44	39	41	37	33	34	31	28	24				
5	67	55	47	41	62	51	44	38	44	38	33	37	32	29	30	27	24	21				
6	62	49	41	35	57	46	38	33	39	33	29	33	28	25	27	23	21	18				
7	57	44	36	30	52	41	34	28	35	29	25	30	25	22	24	21	18	16				
8	53	40	32	26	48	37	30	25	32	26	22	27	22	19	22	19	16	14				
9	49	36	29	23	45	34	27	22	29	23	19	25	20	17	20	17	14	12				
10	45	33	26	21	42	31	24	20	27	21	17	23	18	15	19	15	13	11				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7370	7370	7370	7370
5°	7186	13055	7186	13055
10°	6730	25405	6730	25405
15°	6091	29241	6091	29241
20°	5393	30623	5393	30623
25°	4771	31126	4771	31126
30°	4215	31509	4215	31509
35°	3765	33874	3765	33874
40°	3423	35992	3423	35992
45°	3158	37689	3158	37689
50°	2976	38373	2976	38373
55°	2905	38677	2905	38677
60°	2977	38485	2977	38485
65°	3102	37398	3102	37398
70°	3210	28286	3210	28286
75°	3562	15608	3562	15608
80°	3673	14486	3673	14486
85°	3668	6095	3668	6095

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 52.5°
 Luminance: 39027 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.5	0.9
10°-20°	349.0	3.9
20°-30°	614.2	6.9
30°-40°	795.0	8.9
40°-50°	876.8	9.9
50°-60°	818.3	9.2
60°-70°	632.2	7.1
70°-80°	291.4	3.3
80°-90°	61.9	0.7
90°-100°	119.3	1.3
100°-110°	347.8	3.9
110°-120°	567.6	6.4
120°-130°	720.2	8.1
130°-140°	770.6	8.7
140°-150°	719.6	8.1
150°-160°	592.1	6.7
160°-170°	397.1	4.5
170°-180°	141.0	1.6
0°-30°	1039.7	11.7
0°-40°	1834.7	20.6
0°-60°	3529.7	39.7
0°-90°	4515.3	50.8
90°-120°	1034.6	11.6
90°-150°	3245.1	36.5
90°-180°	4375.0	49.2
0°-180°	8890.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	456	456	456	456	456	
5°	443	806	443	806	443	41
15°	364	1749	364	1749	364	102
25°	268	1747	268	1747	268	123
35°	191	1719	191	1719	191	120
45°	138	1651	138	1651	138	107
55°	103	1374	103	1374	103	93
65°	81	979	81	979	81	80
75°	57	250	57	250	57	59
85°	20	33	20	33	20	21
90°	4	33	4	65	4	5
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°	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5
2.5°	453.0	461.6	470.2	479.4	488.7	498.9	509.8	519.2	523.9	528.5	523.9
5°	443.4	472.6	501.9	544.3	591.2	644.3	703.8	754.8	780.2	805.5	780.2
7.5°	426.3	485.8	545.3	671.4	819.6	973.6	1133.2	1265.6	1316.3	1367.0	1316.3
10°	410.5	493.4	576.3	790.2	1047.7	1245.7	1384.3	1495.0	1522.3	1549.6	1522.3
12.5°	392.9	505.5	618.0	882.1	1196.6	1402.4	1499.6	1579.5	1607.6	1635.7	1607.6
15°	364.4	525.3	686.3	984.8	1329.2	1540.8	1619.9	1686.9	1718.1	1749.4	1718.1
17.5°	334.9	549.2	763.4	1067.9	1402.5	1608.9	1687.2	1750.1	1767.1	1784.0	1767.1
20°	313.9	565.6	817.2	1122.3	1445.2	1640.3	1707.7	1760.8	1771.6	1782.3	1771.6
22.5°	294.6	575.9	857.2	1162.7	1476.3	1658.5	1709.4	1750.5	1762.0	1773.5	1762.0
25°	267.8	584.8	901.9	1206.5	1506.9	1673.3	1705.5	1731.6	1739.4	1747.2	1739.4
27.5°	241.9	576.9	911.9	1212.6	1502.0	1657.2	1678.2	1696.0	1703.6	1711.2	1703.6
30°	226.1	566.5	907.0	1205.0	1488.9	1638.6	1654.2	1668.6	1679.4	1690.1	1679.4
32.5°	212.0	554.1	896.1	1190.4	1468.8	1615.4	1630.3	1647.2	1670.4	1693.6	1670.4
35°	191.0	527.5	864.1	1155.3	1431.3	1581.1	1604.5	1632.8	1675.7	1718.6	1675.7
37.5°	173.0	493.5	814.1	1102.3	1379.7	1542.9	1591.9	1639.0	1680.3	1721.7	1680.3
40°	162.4	469.7	777.0	1063.1	1342.1	1514.3	1579.6	1637.4	1672.5	1707.7	1672.5
42.5°	151.9	442.8	733.7	1017.4	1298.8	1477.6	1553.9	1619.9	1655.0	1690.1	1655.0
45°	138.3	399.7	661.2	942.4	1230.1	1418.9	1508.7	1584.3	1617.4	1650.6	1617.4
47.5°	125.6	352.7	579.8	862.2	1163.0	1361.1	1456.3	1533.7	1557.9	1582.1	1557.9
50°	118.5	321.4	524.3	807.7	1118.0	1319.9	1413.5	1488.7	1508.2	1527.7	1508.2
52.5°	111.5	291.0	470.5	754.5	1073.3	1276.8	1365.0	1435.6	1453.5	1471.5	1453.5
55°	103.2	249.5	395.8	676.8	1002.6	1204.0	1281.1	1342.8	1358.4	1374.0	1358.4
57.5°	95.7	213.7	331.8	603.9	927.4	1122.0	1187.8	1240.2	1252.9	1265.6	1252.9
60°	92.2	194.6	297.0	558.2	872.4	1059.2	1118.7	1166.5	1179.2	1191.8	1179.2
62.5°	86.9	176.1	265.2	512.6	812.7	990.1	1044.9	1089.0	1100.9	1112.8	1100.9
65°	81.2	153.4	225.6	448.5	721.6	881.1	927.0	963.3	971.1	978.9	971.1
67.5°	73.3	134.6	195.8	389.8	628.0	761.4	789.9	807.6	793.0	778.3	793.0
70°	68.0	124.6	181.2	354.1	565.8	676.5	686.3	683.1	641.2	599.2	641.2
72.5°	64.5	114.9	165.2	314.9	497.7	578.4	556.9	521.0	441.6	362.2	441.6
75°	57.1	98.0	139.0	251.7	388.3	409.7	316.1	246.3	248.3	250.2	248.3
77.5°	46.5	77.2	107.8	177.1	259.2	275.5	225.9	189.2	191.0	192.7	191.0
80°	39.5	63.9	88.3	115.6	143.9	157.1	155.1	153.9	154.9	155.8	154.9
82.5°	32.5	50.6	68.8	85.2	101.0	109.8	111.8	112.9	111.6	110.2	111.6
85°	19.8	30.5	41.2	47.6	52.4	51.0	43.2	36.8	34.9	32.9	34.9
87.5°	7.9	13.0	18.5	18.3	16.1	14.8	14.8	15.1	15.4	15.4	15.4
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



TEST NUMBER: P1435992

CATALOG NUMBER: SQ2W-FB-K-100U-100D-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°	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5
2.5°	519.2	509.8	498.9	488.7	479.4	470.2	461.6	453.0	461.6	470.2	479.4
5°	754.8	703.8	644.3	591.2	544.3	501.9	472.6	443.4	472.6	501.9	544.3
7.5°	1265.6	1133.2	973.6	819.6	671.4	545.3	485.8	426.3	485.8	545.3	671.4
10°	1495.0	1384.3	1245.7	1047.7	790.2	576.3	493.4	410.5	493.4	576.3	790.2
12.5°	1579.5	1499.6	1402.4	1196.6	882.1	618.0	505.5	392.9	505.5	618.0	882.1
15°	1686.9	1619.9	1540.8	1329.2	984.8	686.3	525.3	364.4	525.3	686.3	984.8
17.5°	1750.1	1687.2	1608.9	1402.5	1067.9	763.4	549.2	334.9	549.2	763.4	1067.9
20°	1760.8	1707.7	1640.3	1445.2	1122.3	817.2	565.6	313.9	565.6	817.2	1122.3
22.5°	1750.5	1709.4	1658.5	1476.3	1162.7	857.2	575.9	294.6	575.9	857.2	1162.7
25°	1731.6	1705.5	1673.3	1506.9	1206.5	901.9	584.8	267.8	584.8	901.9	1206.5
27.5°	1696.0	1678.2	1657.2	1502.0	1212.6	911.9	576.9	241.9	576.9	911.9	1212.6
30°	1668.6	1654.2	1638.6	1488.9	1205.0	907.0	566.5	226.1	566.5	907.0	1205.0
32.5°	1647.2	1630.3	1615.4	1468.8	1190.4	896.1	554.1	212.0	554.1	896.1	1190.4
35°	1632.8	1604.5	1581.1	1431.3	1155.3	864.1	527.5	191.0	527.5	864.1	1155.3
37.5°	1639.0	1591.9	1542.9	1379.7	1102.3	814.1	493.5	173.0	493.5	814.1	1102.3
40°	1637.4	1579.6	1514.3	1342.1	1063.1	777.0	469.7	162.4	469.7	777.0	1063.1
42.5°	1619.9	1553.9	1477.6	1298.8	1017.4	733.7	442.8	151.9	442.8	733.7	1017.4
45°	1584.3	1508.7	1418.9	1230.1	942.4	661.2	399.7	138.3	399.7	661.2	942.4
47.5°	1533.7	1456.3	1361.1	1163.0	862.2	579.8	352.7	125.6	352.7	579.8	862.2
50°	1488.7	1413.5	1319.9	1118.0	807.7	524.3	321.4	118.5	321.4	524.3	807.7
52.5°	1435.6	1365.0	1276.8	1073.3	754.5	470.5	291.0	111.5	291.0	470.5	754.5
55°	1342.8	1281.1	1204.0	1002.6	676.8	395.8	249.5	103.2	249.5	395.8	676.8
57.5°	1240.2	1187.8	1122.0	927.4	603.9	331.8	213.7	95.7	213.7	331.8	603.9
60°	1166.5	1118.7	1059.2	872.4	558.2	297.0	194.6	92.2	194.6	297.0	558.2
62.5°	1089.0	1044.9	990.1	812.7	512.6	265.2	176.1	86.9	176.1	265.2	512.6
65°	963.3	927.0	881.1	721.6	448.5	225.6	153.4	81.2	153.4	225.6	448.5
67.5°	807.6	789.9	761.4	628.0	389.8	195.8	134.6	73.3	134.6	195.8	389.8
70°	683.1	686.3	676.5	565.8	354.1	181.2	124.6	68.0	124.6	181.2	354.1
72.5°	521.0	556.9	578.4	497.7	314.9	165.2	114.9	64.5	114.9	165.2	314.9
75°	246.3	316.1	409.7	388.3	251.7	139.0	98.0	57.1	98.0	139.0	251.7
77.5°	189.2	225.9	275.5	259.2	177.1	107.8	77.2	46.5	77.2	107.8	177.1
80°	153.9	155.1	157.1	143.9	115.6	88.3	63.9	39.5	63.9	88.3	115.6
82.5°	112.9	111.8	109.8	101.0	85.2	68.8	50.6	32.5	50.6	68.8	85.2
85°	36.8	43.2	51.0	52.4	47.6	41.2	30.5	19.8	30.5	41.2	47.6
87.5°	15.1	14.8	14.8	16.1	18.3	18.5	13.0	7.9	13.0	18.2	18.9
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: P1435992

CATALOG NUMBER: SQ2W-FB-K-100U-100D-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: P1435992

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5	456.5
2.5°	488.7	498.9	509.8	519.2	523.9	528.5	523.9	519.2	509.8	498.9	488.7
5°	591.2	644.3	703.8	754.8	780.2	805.5	780.2	754.8	703.8	644.3	591.2
7.5°	819.6	973.6	1133.2	1265.6	1316.3	1367.0	1316.3	1265.6	1133.2	973.6	819.6
10°	1047.7	1245.7	1384.3	1495.0	1522.3	1549.6	1522.3	1495.0	1384.3	1245.7	1047.7
12.5°	1196.6	1402.4	1499.6	1579.5	1607.6	1635.7	1607.6	1579.5	1499.6	1402.4	1196.6
15°	1329.2	1540.8	1619.9	1686.9	1718.1	1749.4	1718.1	1686.9	1619.9	1540.8	1329.2
17.5°	1402.5	1608.9	1687.2	1750.1	1767.1	1784.0	1767.1	1750.1	1687.2	1608.9	1402.5
20°	1445.2	1640.3	1707.7	1760.8	1771.6	1782.3	1771.6	1760.8	1707.7	1640.3	1445.2
22.5°	1476.3	1658.5	1709.4	1750.5	1762.0	1773.5	1762.0	1750.5	1709.4	1658.5	1476.3
25°	1506.9	1673.3	1705.5	1731.6	1739.4	1747.2	1739.4	1731.6	1705.5	1673.3	1506.9
27.5°	1502.0	1657.2	1678.2	1696.0	1703.6	1711.2	1703.6	1696.0	1678.2	1657.2	1502.0
30°	1488.9	1638.6	1654.2	1668.6	1679.4	1690.1	1679.4	1668.6	1654.2	1638.6	1488.9
32.5°	1468.8	1615.4	1630.3	1647.2	1670.4	1693.6	1670.4	1647.2	1630.3	1615.4	1468.8
35°	1431.3	1581.1	1604.5	1632.8	1675.7	1718.6	1675.7	1632.8	1604.5	1581.1	1431.3
37.5°	1379.7	1542.9	1591.9	1639.0	1680.3	1721.7	1680.3	1639.0	1591.9	1542.9	1379.7
40°	1342.1	1514.3	1579.6	1637.4	1672.5	1707.7	1672.5	1637.4	1579.6	1514.3	1342.1
42.5°	1298.8	1477.6	1553.9	1619.9	1655.0	1690.1	1655.0	1619.9	1553.9	1477.6	1298.8
45°	1230.1	1418.9	1508.7	1584.3	1617.4	1650.6	1617.4	1584.3	1508.7	1418.9	1230.1
47.5°	1163.0	1361.1	1456.3	1533.7	1557.9	1582.1	1557.9	1533.7	1456.3	1361.1	1163.0
50°	1118.0	1319.9	1413.5	1488.7	1508.2	1527.7	1508.2	1488.7	1413.5	1319.9	1118.0
52.5°	1073.3	1276.8	1365.0	1435.6	1453.5	1471.5	1453.5	1435.6	1365.0	1276.8	1073.3
55°	1002.6	1204.0	1281.1	1342.8	1358.4	1374.0	1358.4	1342.8	1281.1	1204.0	1002.6
57.5°	927.4	1122.0	1187.8	1240.2	1252.9	1265.6	1252.9	1240.2	1187.8	1122.0	927.4
60°	872.4	1059.2	1118.7	1166.5	1179.2	1191.8	1179.2	1166.5	1118.7	1059.2	872.4
62.5°	812.7	990.1	1044.9	1089.0	1100.9	1112.8	1100.9	1089.0	1044.9	990.1	812.7
65°	721.6	881.1	927.0	963.3	971.1	978.9	971.1	963.3	927.0	881.1	721.6
67.5°	628.0	761.4	789.9	807.6	793.0	778.3	793.0	807.6	789.9	761.4	628.0
70°	565.8	676.5	686.3	683.1	641.2	599.2	641.2	683.1	686.3	676.5	565.8
72.5°	497.7	578.4	556.9	521.0	441.6	362.2	441.6	521.0	556.9	578.4	497.7
75°	388.3	409.7	316.1	246.3	248.3	250.2	248.3	246.3	316.1	409.7	388.3
77.5°	259.2	275.5	225.9	189.2	191.0	192.7	191.0	189.2	225.9	275.5	259.2
80°	143.9	157.1	155.1	153.9	154.9	155.8	154.9	153.9	155.1	157.1	143.9
82.5°	101.0	109.8	111.8	112.9	111.6	110.2	111.6	112.9	111.8	109.8	101.0
85°	52.4	51.0	43.2	36.8	34.9	32.9	34.9	36.8	43.2	51.0	52.4
87.5°	17.3	17.9	20.0	21.2	22.4	21.8	22.4	21.2	20.0	17.9	17.3
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: P1435992

CATALOG NUMBER: SQ2W-FB-K-100U-100D-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: P1435992

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	456.5	456.5	456.5	456.5
2.5°	479.4	470.2	461.6	453.0
5°	544.3	501.9	472.6	443.4
7.5°	671.4	545.3	485.8	426.3
10°	790.2	576.3	493.4	410.5
12.5°	882.1	618.0	505.5	392.9
15°	984.8	686.3	525.3	364.4
17.5°	1067.9	763.4	549.2	334.9
20°	1122.3	817.2	565.6	313.9
22.5°	1162.7	857.2	575.9	294.6
25°	1206.5	901.9	584.8	267.8
27.5°	1212.6	911.9	576.9	241.9
30°	1205.0	907.0	566.5	226.1
32.5°	1190.4	896.1	554.1	212.0
35°	1155.3	864.1	527.5	191.0
37.5°	1102.3	814.1	493.5	173.0
40°	1063.1	777.0	469.7	162.4
42.5°	1017.4	733.7	442.8	151.9
45°	942.4	661.2	399.7	138.3
47.5°	862.2	579.8	352.7	125.6
50°	807.7	524.3	321.4	118.5
52.5°	754.5	470.5	291.0	111.5
55°	676.8	395.8	249.5	103.2
57.5°	603.9	331.8	213.7	95.7
60°	558.2	297.0	194.6	92.2
62.5°	512.6	265.2	176.1	86.9
65°	448.5	225.6	153.4	81.2
67.5°	389.8	195.8	134.6	73.3
70°	354.1	181.2	124.6	68.0
72.5°	314.9	165.2	114.9	64.5
75°	251.7	139.0	98.0	57.1
77.5°	177.1	107.8	77.2	46.5
80°	115.6	88.3	63.9	39.5
82.5°	85.2	68.8	50.6	32.5
85°	47.6	41.2	30.5	19.8
87.5°	18.9	18.2	13.0	7.9
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: P1435992

CATALOG NUMBER: SQ2W-FB-K-100U-100D-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: P1435992
 CATALOG NUMBER: SQ2W-FB-K-100U-100D-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	13.19	14.08	14.13	15.05	16.30	22.78	23.68	23.73	24.64	25.90
	3H	14.13	14.93	15.08	15.91	17.19	24.39	25.20	25.35	26.17	27.45
	4H	14.53	15.29	15.50	16.27	17.56	24.57	25.33	25.54	26.31	27.60
	6H	14.78	15.48	15.77	16.47	17.77	24.65	25.35	25.63	26.33	27.63
	8H	14.88	15.54	15.87	16.55	17.84	24.67	25.33	25.65	26.33	27.63
	12H	14.93	15.56	15.92	16.56	17.88	24.65	25.28	25.64	26.28	27.60
4H	2H	17.91	18.67	18.89	19.65	20.94	23.15	23.91	24.13	24.89	26.18
	3H	19.04	19.68	20.03	20.68	21.99	25.04	25.68	26.03	26.69	27.99
	4H	19.33	19.90	20.32	20.91	22.23	25.27	25.85	26.26	26.85	28.17
	6H	19.46	19.96	20.47	20.99	22.31	25.40	25.90	26.41	26.92	28.25
	8H	19.50	19.97	20.51	20.99	22.33	25.45	25.91	26.46	26.93	28.27
	12H	19.51	19.93	20.54	20.96	22.31	25.43	25.85	26.46	26.88	28.23
8H	4H	20.52	20.99	21.53	22.00	23.34	25.36	25.83	26.37	26.84	28.18
	6H	20.78	21.17	21.82	22.23	23.56	25.56	25.94	26.59	27.00	28.34
	8H	20.88	21.22	21.92	22.26	23.62	25.65	25.99	26.69	27.03	28.39
	12H	20.92	21.22	21.97	22.26	23.66	25.66	25.95	26.70	26.99	28.39
12H	4H	20.55	20.97	21.58	22.00	23.35	25.31	25.74	26.34	26.77	28.11
	6H	20.89	21.23	21.93	22.27	23.63	25.54	25.88	26.59	26.93	28.28
	8H	21.03	21.32	22.07	22.36	23.76	25.64	25.94	26.69	26.98	28.38