

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: P1427931

Luminaire Tested: SQ2W-PH1-K-100U-100D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427931
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-100U-100D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE HEX LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

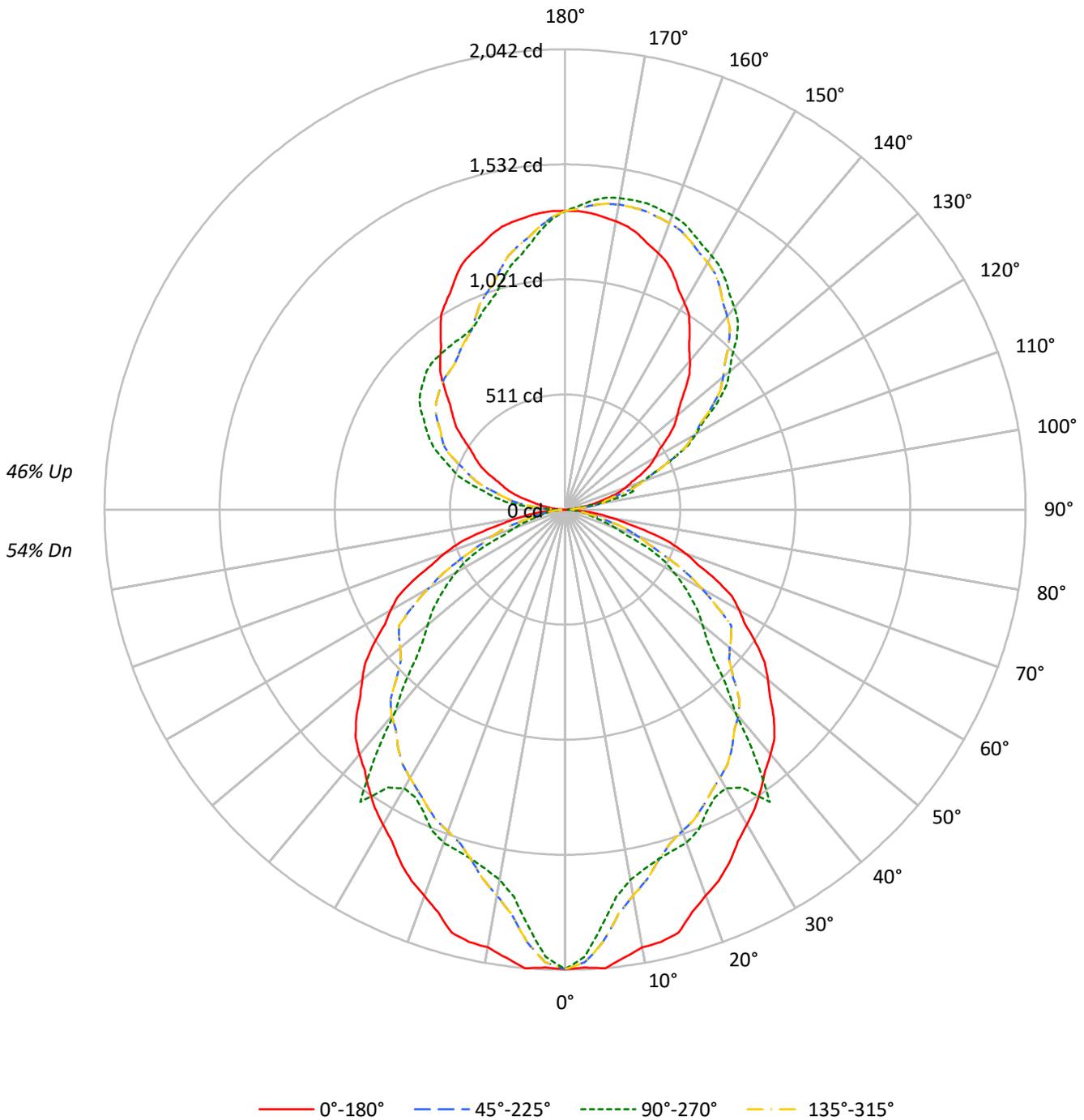
Lumens per Lamp: N/A
Luminaire Lumens: 8379.0 lumens
Efficiency: N/A
Efficacy: 118.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.02 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 70.7
Input Voltage (V): 120
Input Current (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

TEST NUMBER: P1427931

CATALOG NUMBER: SQ2W-PH1-K-100U-100D-L935-UNV-STD-W-WM-4

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	108	108	108	108	100	100	100	100	85	85	85	72	72	72	60	60	60	54				
1	99	95	91	87	92	88	85	82	75	73	71	64	62	60	53	52	51	46				
2	90	83	77	72	83	77	72	67	66	62	59	56	53	51	47	45	43	39				
3	82	73	66	60	76	68	61	56	58	54	50	50	46	43	42	39	37	33				
4	75	65	57	51	70	60	53	48	52	47	42	44	40	37	37	34	32	28				
5	69	58	49	43	64	54	47	41	47	41	37	40	36	32	34	30	28	25				
6	64	52	44	38	59	48	41	36	42	36	32	36	32	28	31	27	24	22				
7	59	47	39	33	55	44	37	31	38	32	28	33	28	25	28	24	22	19				
8	55	42	35	29	51	40	33	28	35	29	25	30	26	22	26	22	19	17				
9	51	39	31	26	47	36	30	25	32	26	22	28	23	20	24	20	18	15				
10	48	36	28	24	44	33	27	22	29	24	20	26	21	18	22	19	16	14				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	32913	32913	32913	32913
5°	33102	30084	33102	30084
10°	32338	27346	32338	27346
15°	32484	26811	32484	26811
20°	31326	27027	31326	27027
25°	30752	26398	30752	26398
30°	30085	26613	30085	26613
35°	29857	31195	29857	31195
40°	29882	24731	29882	24731
45°	29893	21301	29893	21301
50°	29473	19974	29473	19974
55°	29100	19164	29100	19164
60°	28810	17976	28810	17976
65°	28305	15633	28305	15633
70°	26738	11169	26738	11169
75°	23836	8471	23836	8471
80°	19479	7931	19479	7931
85°	12208	5391	12208	5391

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 29893 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.4	2.1
10°-20°	471.8	5.6
20°-30°	691.7	8.3
30°-40°	837.6	10.0
40°-50°	823.6	9.8
50°-60°	716.4	8.6
60°-70°	498.3	5.9
70°-80°	236.3	2.8
80°-90°	57.6	0.7
90°-100°	105.4	1.3
100°-110°	307.3	3.7
110°-120°	501.5	6.0
120°-130°	636.4	7.6
130°-140°	681.0	8.1
140°-150°	635.9	7.6
150°-160°	523.2	6.2
160°-170°	350.9	4.2
170°-180°	124.6	1.5
0°-30°	1342.9	16.0
0°-40°	2180.5	26.0
0°-60°	3720.6	44.4
0°-90°	4512.7	53.9
90°-120°	914.2	10.9
90°-150°	2867.5	34.2
90°-180°	3866.0	46.1
0°-180°	8379.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2038	2038	2038	2038	2038	
5°	2042	1856	2042	1856	2042	192
15°	1943	1604	1943	1604	1943	542
25°	1726	1482	1726	1482	1726	794
35°	1515	1583	1515	1583	1515	949
45°	1309	933	1309	933	1309	1006
55°	1034	681	1034	681	1034	924
65°	741	409	741	409	741	728
75°	382	136	382	136	382	405
85°	66	29	66	29	66	88
90°	4	29	4	58	4	5
95°	42	31	42	181	42	50
105°	195	313	195	431	195	208
115°	374	519	374	639	374	369
125°	554	823	554	784	554	495
135°	753	1077	753	868	753	582
145°	962	1241	962	887	962	602
155°	1142	1348	1142	920	1142	525
165°	1263	1406	1263	1059	1263	355
175°	1320	1376	1320	1243	1320	125
180°	1324	1324	1324	1324	1324	



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CATALOG NUMBER: SQ2W-PH1-K-100U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2038.5	2038.5	2038.5	2038.5	2038.5	2038.5	2038.5	2038.5	2038.5	2038.5	2038.5
2.5°	2033.8	2043.5	2053.1	2039.5	2018.1	2003.3	1995.0	1988.5	1987.1	1985.7	1987.1
5°	2042.4	2041.5	2040.6	2000.3	1946.9	1906.8	1880.1	1859.6	1857.9	1856.2	1857.9
7.5°	2005.1	1978.4	1951.7	1897.5	1834.3	1787.9	1758.4	1736.0	1734.6	1733.2	1734.6
10°	1972.5	1932.0	1891.5	1830.3	1762.2	1714.8	1688.1	1668.0	1668.0	1668.0	1668.0
12.5°	1964.8	1900.8	1836.9	1769.8	1701.7	1657.7	1637.9	1624.1	1628.2	1632.3	1628.2
15°	1943.4	1846.9	1750.3	1682.2	1623.6	1591.7	1586.6	1585.1	1594.5	1604.0	1594.5
17.5°	1872.8	1768.9	1664.9	1605.1	1559.9	1542.8	1553.9	1564.9	1575.9	1587.0	1575.9
20°	1823.2	1720.6	1618.0	1562.6	1523.0	1513.5	1534.2	1552.3	1562.6	1573.0	1562.6
22.5°	1781.3	1677.3	1573.4	1524.4	1493.7	1489.7	1512.5	1530.9	1536.4	1542.0	1536.4
25°	1726.2	1609.0	1491.7	1456.0	1447.3	1452.9	1472.8	1487.0	1484.4	1481.8	1484.4
27.5°	1660.3	1537.9	1415.5	1392.5	1402.7	1413.8	1425.8	1435.3	1436.8	1438.4	1436.8
30°	1613.7	1491.3	1368.9	1350.6	1367.0	1381.2	1393.3	1405.1	1416.3	1427.5	1416.3
32.5°	1568.7	1442.2	1315.6	1302.5	1327.1	1353.8	1382.4	1410.3	1436.0	1461.7	1436.0
35°	1514.8	1382.9	1251.0	1240.7	1270.8	1309.6	1357.0	1413.7	1498.2	1582.7	1498.2
37.5°	1458.2	1316.8	1175.4	1170.7	1211.6	1252.4	1293.3	1330.7	1357.6	1384.5	1357.6
40°	1417.8	1269.6	1121.3	1121.1	1170.2	1221.1	1273.6	1297.6	1235.5	1173.4	1235.5
42.5°	1374.4	1226.1	1077.8	1073.5	1117.1	1173.1	1241.6	1266.7	1161.9	1057.1	1161.9
45°	1309.2	1154.9	1000.6	995.0	1039.0	1070.0	1088.1	1082.9	1007.9	932.9	1007.9
47.5°	1232.4	1085.3	938.3	937.1	984.5	987.9	947.4	909.7	880.4	851.1	880.4
50°	1173.4	1034.7	895.9	901.9	956.2	951.0	886.4	833.2	814.2	795.2	814.2
52.5°	1116.0	984.1	852.2	868.3	933.6	923.3	837.2	769.5	756.8	744.0	756.8
55°	1033.8	907.1	780.4	816.6	907.1	893.3	775.2	686.0	683.4	680.8	683.4
57.5°	946.5	826.7	706.9	732.0	805.4	791.0	688.5	612.9	617.3	621.8	617.3
60°	892.2	775.8	659.5	662.7	705.8	692.0	621.3	567.0	561.8	556.7	561.8
62.5°	834.8	723.9	613.1	597.0	612.5	596.3	548.4	511.1	506.0	500.8	506.0
65°	740.9	640.1	539.2	508.8	501.9	478.6	439.0	409.2	409.2	409.2	409.2
67.5°	637.7	549.8	461.9	427.9	411.8	388.7	358.6	330.8	310.1	289.4	310.1
70°	566.4	488.8	411.2	375.6	354.1	326.5	292.9	264.2	250.4	236.6	250.4
72.5°	490.3	423.8	357.2	320.8	294.4	267.5	240.1	215.6	199.7	183.9	199.7
75°	382.1	328.6	275.2	239.9	210.6	183.4	158.4	139.2	137.5	135.8	137.5
77.5°	276.2	237.2	198.3	169.6	144.5	125.6	113.0	103.6	103.8	104.0	103.8
80°	209.5	180.2	150.9	124.1	98.3	84.9	84.0	83.6	84.5	85.3	84.5
82.5°	147.4	125.7	104.0	86.9	71.4	64.2	65.4	66.4	66.5	66.7	66.5
85°	65.9	55.6	45.3	41.4	39.7	37.1	33.6	30.8	30.0	29.1	30.0
87.5°	14.8	15.1	15.8	15.1	13.9	13.1	13.1	13.4	13.6	13.6	13.6
90°	4.0	9.4	16.1	21.4	25.4	26.8	26.8	28.1	29.4	29.4	29.4
92.5°	14.7	23.3	23.5	23.5	28.6	31.0	33.2	33.4	34.8	34.8	34.8
95°	41.5	45.5	68.2	66.9	45.5	36.1	30.8	30.8	30.8	30.8	30.8
97.5°	79.2	85.1	88.8	119.0	125.7	121.4	99.0	83.2	74.4	70.4	74.4
100°	112.4	115.0	123.1	124.4	157.8	189.9	173.9	153.8	147.1	143.1	147.1
102.5°	145.5	147.1	159.4	165.1	172.8	191.0	246.6	240.5	235.9	235.1	235.9
105°	195.3	196.6	219.4	230.1	235.4	235.4	234.1	260.8	303.6	313.0	303.6
107.5°	248.5	254.7	281.4	310.0	316.2	317.8	310.8	306.8	305.2	306.3	305.2
110°	284.9	294.3	326.4	362.5	371.8	374.5	371.8	367.8	365.1	365.1	365.1



TEST NUMBER: P1427931

CATALOG NUMBER: SQ2W-PH1-K-100U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	320.2	333.9	370.2	411.7	427.5	435.5	429.6	426.7	424.0	426.1	424.0
115°	374.5	394.6	442.7	485.5	517.6	521.6	520.3	520.3	519.0	519.0	519.0
117.5°	424.8	456.9	510.9	560.7	597.9	608.6	613.9	612.3	610.7	613.4	610.7
120°	460.1	497.6	559.1	615.3	651.4	667.4	672.8	670.1	672.8	670.1	672.8
122.5°	497.6	543.6	604.0	662.4	704.9	723.1	729.5	730.0	730.6	729.0	730.6
125°	553.7	609.9	680.8	741.0	785.1	806.5	811.9	813.2	815.9	822.6	815.9
127.5°	610.5	674.1	752.0	810.0	855.2	881.2	889.5	892.4	898.0	901.0	898.0
130°	650.0	722.3	801.2	856.0	900.2	928.3	943.0	947.0	953.7	952.3	953.7
132.5°	691.8	767.2	847.2	904.2	945.1	975.3	987.9	999.4	1001.8	1003.7	1001.8
135°	753.0	834.6	914.9	971.1	1009.8	1039.3	1055.3	1066.0	1072.7	1076.7	1072.7
137.5°	817.5	903.6	980.7	1030.7	1069.8	1095.2	1113.4	1124.6	1131.6	1134.8	1131.6
140°	861.4	944.3	1019.2	1071.4	1106.1	1131.6	1147.6	1161.0	1169.0	1169.0	1169.0
142.5°	903.1	985.0	1057.7	1109.9	1140.4	1163.7	1180.8	1190.9	1200.0	1200.0	1200.0
145°	961.7	1043.3	1110.2	1162.3	1187.7	1209.1	1227.9	1235.9	1241.2	1241.2	1241.2
147.5°	1023.0	1095.2	1156.2	1206.2	1227.6	1252.7	1267.5	1273.9	1280.6	1277.6	1280.6
150°	1059.3	1126.2	1185.1	1231.9	1253.3	1277.4	1292.1	1297.4	1304.1	1300.1	1304.1
152.5°	1094.6	1158.3	1211.8	1255.4	1273.6	1297.7	1314.5	1319.9	1324.4	1321.5	1324.4
155°	1142.3	1198.4	1247.9	1288.1	1304.1	1326.8	1342.9	1349.6	1354.9	1348.2	1354.9
157.5°	1184.8	1233.2	1276.3	1313.2	1330.3	1349.9	1364.8	1373.1	1378.5	1375.5	1378.5
160°	1210.5	1254.6	1293.4	1328.2	1344.2	1361.6	1377.7	1387.0	1392.4	1388.4	1392.4
162.5°	1231.9	1271.7	1308.4	1340.0	1353.9	1369.1	1388.4	1396.7	1402.0	1396.9	1402.0
165°	1262.6	1294.7	1326.8	1353.6	1365.6	1377.7	1397.7	1407.1	1411.1	1405.8	1411.1
167.5°	1285.9	1310.5	1336.5	1359.5	1368.3	1380.1	1400.1	1407.9	1413.0	1406.3	1413.0
170°	1298.8	1320.2	1342.9	1361.6	1368.3	1379.0	1399.1	1405.8	1409.8	1403.1	1409.8
172.5°	1309.5	1325.5	1344.0	1360.6	1364.0	1372.6	1391.6	1398.3	1401.2	1395.6	1401.2
175°	1320.2	1329.5	1342.9	1353.6	1352.3	1357.6	1373.7	1379.0	1384.4	1376.3	1384.4
177.5°	1325.2	1329.5	1333.8	1340.2	1335.9	1335.9	1347.7	1350.9	1352.0	1347.7	1352.0
180°	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2038.5	2038.5	2038.5	2038.5	2038.5	2038.5	2038.5	2038.5	2038.5	2038.5	2038.5
2.5°	1988.5	1995.0	2003.3	2018.1	2039.5	2053.1	2043.5	2033.8	2043.5	2053.1	2039.5
5°	1859.6	1880.1	1906.8	1946.9	2000.3	2040.6	2041.5	2042.4	2041.5	2040.6	2000.3
7.5°	1736.0	1758.4	1787.9	1834.3	1897.5	1951.7	1978.4	2005.1	1978.4	1951.7	1897.5
10°	1668.0	1688.1	1714.8	1762.2	1830.3	1891.5	1932.0	1972.5	1932.0	1891.5	1830.3
12.5°	1624.1	1637.9	1657.7	1701.7	1769.8	1836.9	1900.8	1964.8	1900.8	1836.9	1769.8
15°	1585.1	1586.6	1591.7	1623.6	1682.2	1750.3	1846.9	1943.4	1846.9	1750.3	1682.2
17.5°	1564.9	1553.9	1542.8	1559.9	1605.1	1664.9	1768.9	1872.8	1768.9	1664.9	1605.1
20°	1552.3	1534.2	1513.5	1523.0	1562.6	1618.0	1720.6	1823.2	1720.6	1618.0	1562.6
22.5°	1530.9	1512.5	1489.7	1493.7	1524.4	1573.4	1677.3	1781.3	1677.3	1573.4	1524.4
25°	1487.0	1472.8	1452.9	1447.3	1456.0	1491.7	1609.0	1726.2	1609.0	1491.7	1456.0
27.5°	1435.3	1425.8	1413.8	1402.7	1392.5	1415.5	1537.9	1660.3	1537.9	1415.5	1392.5
30°	1405.1	1393.3	1381.2	1367.0	1350.6	1368.9	1491.3	1613.7	1491.3	1368.9	1350.6
32.5°	1410.3	1382.4	1353.8	1327.1	1302.5	1315.6	1442.2	1568.7	1442.2	1315.6	1302.5
35°	1413.7	1357.0	1309.6	1270.8	1240.7	1251.0	1382.9	1514.8	1382.9	1251.0	1240.7
37.5°	1330.7	1293.3	1252.4	1211.6	1170.7	1175.4	1316.8	1458.2	1316.8	1175.4	1170.7
40°	1297.6	1273.6	1221.1	1170.2	1121.1	1121.3	1269.6	1417.8	1269.6	1121.3	1121.1
42.5°	1266.7	1241.6	1173.1	1117.1	1073.5	1077.8	1226.1	1374.4	1226.1	1077.8	1073.5
45°	1082.9	1088.1	1070.0	1039.0	995.0	1000.6	1154.9	1309.2	1154.9	1000.6	995.0
47.5°	909.7	947.4	987.9	984.5	937.1	938.3	1085.3	1232.4	1085.3	938.3	937.1
50°	833.2	886.4	951.0	956.2	901.9	895.9	1034.7	1173.4	1034.7	895.9	901.9
52.5°	769.5	837.2	923.3	933.6	868.3	852.2	984.1	1116.0	984.1	852.2	868.3
55°	686.0	775.2	893.3	907.1	816.6	780.4	907.1	1033.8	907.1	780.4	816.6
57.5°	612.9	688.5	791.0	805.4	732.0	706.9	826.7	946.5	826.7	706.9	732.0
60°	567.0	621.3	692.0	705.8	662.7	659.5	775.8	892.2	775.8	659.5	662.7
62.5°	511.1	548.4	596.3	612.5	597.0	613.1	723.9	834.8	723.9	613.1	597.0
65°	409.2	439.0	478.6	501.9	508.8	539.2	640.1	740.9	640.1	539.2	508.8
67.5°	330.8	358.6	388.7	411.8	427.9	461.9	549.8	637.7	549.8	461.9	427.9
70°	264.2	292.9	326.5	354.1	375.6	411.2	488.8	566.4	488.8	411.2	375.6
72.5°	215.6	240.1	267.5	294.4	320.8	357.2	423.8	490.3	423.8	357.2	320.8
75°	139.2	158.4	183.4	210.6	239.9	275.2	328.6	382.1	328.6	275.2	239.9
77.5°	103.6	113.0	125.6	144.5	169.6	198.3	237.2	276.2	237.2	198.3	169.6
80°	83.6	84.0	84.9	98.3	124.1	150.9	180.2	209.5	180.2	150.9	124.1
82.5°	66.4	65.4	64.2	71.4	86.9	104.0	125.7	147.4	125.7	104.0	86.9
85°	30.8	33.6	37.1	39.7	41.4	45.3	55.6	65.9	55.6	45.3	41.4
87.5°	13.4	13.1	13.1	13.9	15.1	15.8	15.1	14.8	15.1	15.5	15.7
90°	28.1	26.8	26.8	25.4	21.4	16.1	9.4	4.0	9.4	14.7	24.1
92.5°	33.4	33.2	31.0	28.6	23.5	23.5	23.3	14.7	25.4	36.1	51.9
95°	30.8	30.8	36.1	45.5	66.9	68.2	45.5	41.5	58.9	82.9	104.3
97.5°	83.2	99.0	121.4	125.7	119.0	88.8	85.1	79.2	107.8	131.6	166.1
100°	153.8	173.9	189.9	157.8	124.4	123.1	115.0	112.4	143.1	165.9	199.3
102.5°	240.5	246.6	191.0	172.8	165.1	159.4	147.1	145.5	176.3	207.6	235.7
105°	260.8	234.1	235.4	235.4	230.1	219.4	196.6	195.3	230.1	266.2	300.9
107.5°	306.8	310.8	317.8	316.2	310.0	281.4	254.7	248.5	279.8	323.2	361.4
110°	367.8	371.8	374.5	371.8	362.5	326.4	294.3	284.9	313.0	358.5	399.9



TEST NUMBER: P1427931

CATALOG NUMBER: SQ2W-PH1-K-100U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	426.7	429.6	435.5	427.5	411.7	370.2	333.9	320.2	348.3	394.8	437.4
115°	520.3	520.3	521.6	517.6	485.5	442.7	394.6	374.5	398.6	441.4	488.2
117.5°	612.3	613.9	608.6	597.9	560.7	510.9	456.9	424.8	443.8	489.0	537.2
120°	670.1	672.8	667.4	651.4	615.3	559.1	497.6	460.1	474.8	519.0	567.1
122.5°	730.0	729.5	723.1	704.9	662.4	604.0	543.6	497.6	503.7	544.6	591.7
125°	813.2	811.9	806.5	785.1	741.0	680.8	609.9	553.7	545.7	580.5	628.6
127.5°	892.4	889.5	881.2	855.2	810.0	752.0	674.1	610.5	592.5	614.5	658.6
130°	947.0	943.0	928.3	900.2	856.0	801.2	722.3	650.0	624.6	638.0	676.8
132.5°	999.4	987.9	975.3	945.1	904.2	847.2	767.2	691.8	656.7	662.6	692.8
135°	1066.0	1055.3	1039.3	1009.8	971.1	914.9	834.6	753.0	704.9	699.5	716.9
137.5°	1124.6	1113.4	1095.2	1069.8	1030.7	980.7	903.6	817.5	756.8	738.9	745.5
140°	1161.0	1147.6	1131.6	1106.1	1071.4	1019.2	944.3	861.4	793.2	767.8	763.7
142.5°	1190.9	1180.8	1163.7	1140.4	1109.9	1057.7	985.0	903.1	830.6	797.7	788.3
145°	1235.9	1227.9	1209.1	1187.7	1162.3	1110.2	1043.3	961.7	889.5	846.7	826.6
147.5°	1273.9	1267.5	1252.7	1227.6	1206.2	1156.2	1095.2	1023.0	948.9	895.9	869.9
150°	1297.4	1292.1	1277.4	1253.3	1231.9	1185.1	1126.2	1059.3	988.4	932.3	898.8
152.5°	1319.9	1314.5	1297.7	1273.6	1255.4	1211.8	1158.3	1094.6	1022.7	966.5	932.0
155°	1349.6	1342.9	1326.8	1304.1	1288.1	1247.9	1198.4	1142.3	1080.7	1021.9	983.1
157.5°	1373.1	1364.8	1349.9	1330.3	1313.2	1276.3	1233.2	1184.8	1131.0	1074.9	1035.3
160°	1387.0	1377.7	1361.6	1344.2	1328.2	1293.4	1254.6	1210.5	1161.0	1110.2	1067.4
162.5°	1396.7	1388.4	1369.1	1353.9	1340.0	1308.4	1271.7	1231.9	1187.7	1143.3	1103.7
165°	1407.1	1397.7	1377.7	1365.6	1353.6	1326.8	1294.7	1262.6	1225.2	1189.1	1157.0
167.5°	1407.9	1400.1	1380.1	1368.3	1359.5	1336.5	1310.5	1285.9	1256.8	1228.4	1201.7
170°	1405.8	1399.1	1379.0	1368.3	1361.6	1342.9	1320.2	1298.8	1276.0	1251.9	1230.5
172.5°	1398.3	1391.6	1372.6	1364.0	1360.6	1344.0	1325.5	1309.5	1289.9	1272.3	1255.2
175°	1379.0	1373.7	1357.6	1352.3	1353.6	1342.9	1329.5	1320.2	1308.1	1297.4	1288.1
177.5°	1350.9	1347.7	1335.9	1335.9	1340.2	1333.8	1329.5	1325.2	1319.9	1316.7	1313.5
180°	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2



TEST NUMBER: P1427931

CATALOG NUMBER: SQ2W-PH1-K-100U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2038.5	2038.5	2038.5	2038.5	2038.5	2038.5	2038.5	2038.5	2038.5	2038.5	2038.5
2.5°	2018.1	2003.3	1995.0	1988.5	1987.1	1985.7	1987.1	1988.5	1995.0	2003.3	2018.1
5°	1946.9	1906.8	1880.1	1859.6	1857.9	1856.2	1857.9	1859.6	1880.1	1906.8	1946.9
7.5°	1834.3	1787.9	1758.4	1736.0	1734.6	1733.2	1734.6	1736.0	1758.4	1787.9	1834.3
10°	1762.2	1714.8	1688.1	1668.0	1668.0	1668.0	1668.0	1668.0	1688.1	1714.8	1762.2
12.5°	1701.7	1657.7	1637.9	1624.1	1628.2	1632.3	1628.2	1624.1	1637.9	1657.7	1701.7
15°	1623.6	1591.7	1586.6	1585.1	1594.5	1604.0	1594.5	1585.1	1586.6	1591.7	1623.6
17.5°	1559.9	1542.8	1553.9	1564.9	1575.9	1587.0	1575.9	1564.9	1553.9	1542.8	1559.9
20°	1523.0	1513.5	1534.2	1552.3	1562.6	1573.0	1562.6	1552.3	1534.2	1513.5	1523.0
22.5°	1493.7	1489.7	1512.5	1530.9	1536.4	1542.0	1536.4	1530.9	1512.5	1489.7	1493.7
25°	1447.3	1452.9	1472.8	1487.0	1484.4	1481.8	1484.4	1487.0	1472.8	1452.9	1447.3
27.5°	1402.7	1413.8	1425.8	1435.3	1436.8	1438.4	1436.8	1435.3	1425.8	1413.8	1402.7
30°	1367.0	1381.2	1393.3	1405.1	1416.3	1427.5	1416.3	1405.1	1393.3	1381.2	1367.0
32.5°	1327.1	1353.8	1382.4	1410.3	1436.0	1461.7	1436.0	1410.3	1382.4	1353.8	1327.1
35°	1270.8	1309.6	1357.0	1413.7	1498.2	1582.7	1498.2	1413.7	1357.0	1309.6	1270.8
37.5°	1211.6	1252.4	1293.3	1330.7	1357.6	1384.5	1357.6	1330.7	1293.3	1252.4	1211.6
40°	1170.2	1221.1	1273.6	1297.6	1235.5	1173.4	1235.5	1297.6	1273.6	1221.1	1170.2
42.5°	1117.1	1173.1	1241.6	1266.7	1161.9	1057.1	1161.9	1266.7	1241.6	1173.1	1117.1
45°	1039.0	1070.0	1088.1	1082.9	1007.9	932.9	1007.9	1082.9	1088.1	1070.0	1039.0
47.5°	984.5	987.9	947.4	909.7	880.4	851.1	880.4	909.7	947.4	987.9	984.5
50°	956.2	951.0	886.4	833.2	814.2	795.2	814.2	833.2	886.4	951.0	956.2
52.5°	933.6	923.3	837.2	769.5	756.8	744.0	756.8	769.5	837.2	923.3	933.6
55°	907.1	893.3	775.2	686.0	683.4	680.8	683.4	686.0	775.2	893.3	907.1
57.5°	805.4	791.0	688.5	612.9	617.3	621.8	617.3	612.9	688.5	791.0	805.4
60°	705.8	692.0	621.3	567.0	561.8	556.7	561.8	567.0	621.3	692.0	705.8
62.5°	612.5	596.3	548.4	511.1	506.0	500.8	506.0	511.1	548.4	596.3	612.5
65°	501.9	478.6	439.0	409.2	409.2	409.2	409.2	409.2	439.0	478.6	501.9
67.5°	411.8	388.7	358.6	330.8	310.1	289.4	310.1	330.8	358.6	388.7	411.8
70°	354.1	326.5	292.9	264.2	250.4	236.6	250.4	264.2	292.9	326.5	354.1
72.5°	294.4	267.5	240.1	215.6	199.7	183.9	199.7	215.6	240.1	267.5	294.4
75°	210.6	183.4	158.4	139.2	137.5	135.8	137.5	139.2	158.4	183.4	210.6
77.5°	144.5	125.6	113.0	103.6	103.8	104.0	103.8	103.6	113.0	125.6	144.5
80°	98.3	84.9	84.0	83.6	84.5	85.3	84.5	83.6	84.0	84.9	98.3
82.5°	71.4	64.2	65.4	66.4	66.5	66.7	66.5	66.4	65.4	64.2	71.4
85°	39.7	37.1	33.6	30.8	30.0	29.1	30.0	30.8	33.6	37.1	39.7
87.5°	14.9	15.8	17.7	18.7	19.8	19.3	19.8	18.7	17.7	15.8	14.9
90°	30.8	40.1	49.5	54.8	60.2	57.5	60.2	54.8	49.5	40.1	30.8
92.5°	61.8	77.6	89.1	98.7	103.0	102.5	103.0	98.7	89.1	77.6	61.8
95°	124.4	143.1	161.8	175.2	183.2	180.6	183.2	175.2	161.8	143.1	124.4
97.5°	191.8	216.9	237.8	250.4	258.4	263.8	258.4	250.4	237.8	216.9	191.8
100°	236.7	260.8	284.9	299.6	313.0	318.3	313.0	299.6	284.9	260.8	236.7
102.5°	273.1	304.7	330.9	346.7	357.9	363.3	357.9	346.7	330.9	304.7	273.1
105°	333.0	366.5	394.6	414.6	426.7	430.7	426.7	414.6	394.6	366.5	333.0
107.5°	393.0	427.5	453.4	475.6	490.3	498.9	490.3	475.6	453.4	427.5	393.0
110°	440.1	468.1	496.2	516.3	531.0	536.4	531.0	516.3	496.2	468.1	440.1



TEST NUMBER: P1427931

CATALOG NUMBER: SQ2W-PH1-K-100U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	479.6	510.9	539.0	559.1	575.9	583.4	575.9	559.1	539.0	510.9	479.6
115°	535.0	576.5	601.9	620.6	632.7	639.3	632.7	620.6	601.9	576.5	535.0
117.5°	581.0	624.4	652.2	666.6	672.3	677.1	672.3	666.6	652.2	624.4	581.0
120°	609.9	650.0	682.1	700.9	707.6	710.2	707.6	700.9	682.1	650.0	609.9
122.5°	636.7	674.7	705.7	728.7	739.7	742.3	739.7	728.7	705.7	674.7	636.7
125°	674.1	710.2	742.3	765.1	777.1	783.8	777.1	765.1	742.3	710.2	674.1
127.5°	706.8	745.8	775.2	795.8	807.6	813.0	807.6	795.8	775.2	745.8	706.8
130°	724.9	765.1	794.5	817.2	827.9	833.3	827.9	817.2	794.5	765.1	724.9
132.5°	738.9	781.1	811.6	832.2	844.0	849.3	844.0	832.2	811.6	781.1	738.9
135°	755.7	799.9	832.0	852.0	862.7	868.1	862.7	852.0	832.0	799.9	755.7
137.5°	770.4	810.6	844.0	865.1	874.8	878.2	874.8	865.1	844.0	810.6	770.4
140°	781.1	815.9	849.3	869.4	880.1	881.4	880.1	869.4	849.3	815.9	781.1
142.5°	795.0	822.3	851.5	871.5	882.2	884.7	882.2	871.5	851.5	822.3	795.0
145°	819.9	836.0	856.0	874.8	884.1	886.8	884.1	874.8	856.0	836.0	819.9
147.5°	851.2	856.3	866.7	879.0	888.1	890.0	888.1	879.0	866.7	856.3	851.2
150°	874.8	873.4	877.4	885.5	893.5	892.1	893.5	885.5	877.4	873.4	874.8
152.5°	901.5	893.7	893.5	897.2	901.0	900.7	901.0	897.2	893.5	893.7	901.5
155°	947.0	932.3	924.2	921.6	921.6	920.2	921.6	921.6	924.2	932.3	947.0
157.5°	997.0	976.4	964.4	957.9	956.1	953.1	956.1	957.9	964.4	976.4	997.0
160°	1031.2	1008.5	996.5	985.8	981.8	977.7	981.8	985.8	996.5	1008.5	1031.2
162.5°	1063.3	1041.7	1028.6	1018.9	1014.9	1008.8	1014.9	1018.9	1028.6	1041.7	1063.3
165°	1115.5	1092.8	1078.1	1070.0	1064.7	1059.3	1064.7	1070.0	1078.1	1092.8	1115.5
167.5°	1167.7	1142.8	1133.2	1124.1	1119.0	1109.4	1119.0	1124.1	1133.2	1142.8	1167.7
170°	1199.8	1177.0	1171.7	1163.7	1154.3	1143.6	1154.3	1163.7	1171.7	1177.0	1199.8
172.5°	1227.6	1212.4	1207.0	1199.0	1196.0	1187.5	1196.0	1199.0	1207.0	1212.4	1227.6
175°	1268.0	1256.0	1256.0	1254.6	1250.6	1242.6	1250.6	1254.6	1256.0	1256.0	1268.0
177.5°	1301.7	1295.3	1299.6	1299.6	1298.5	1291.0	1298.5	1299.6	1299.6	1295.3	1301.7
180°	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2



TEST NUMBER: P1427931

CATALOG NUMBER: SQ2W-PH1-K-100U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2038.5	2038.5	2038.5	2038.5
2.5°	2039.5	2053.1	2043.5	2033.8
5°	2000.3	2040.6	2041.5	2042.4
7.5°	1897.5	1951.7	1978.4	2005.1
10°	1830.3	1891.5	1932.0	1972.5
12.5°	1769.8	1836.9	1900.8	1964.8
15°	1682.2	1750.3	1846.9	1943.4
17.5°	1605.1	1664.9	1768.9	1872.8
20°	1562.6	1618.0	1720.6	1823.2
22.5°	1524.4	1573.4	1677.3	1781.3
25°	1456.0	1491.7	1609.0	1726.2
27.5°	1392.5	1415.5	1537.9	1660.3
30°	1350.6	1368.9	1491.3	1613.7
32.5°	1302.5	1315.6	1442.2	1568.7
35°	1240.7	1251.0	1382.9	1514.8
37.5°	1170.7	1175.4	1316.8	1458.2
40°	1121.1	1121.3	1269.6	1417.8
42.5°	1073.5	1077.8	1226.1	1374.4
45°	995.0	1000.6	1154.9	1309.2
47.5°	937.1	938.3	1085.3	1232.4
50°	901.9	895.9	1034.7	1173.4
52.5°	868.3	852.2	984.1	1116.0
55°	816.6	780.4	907.1	1033.8
57.5°	732.0	706.9	826.7	946.5
60°	662.7	659.5	775.8	892.2
62.5°	597.0	613.1	723.9	834.8
65°	508.8	539.2	640.1	740.9
67.5°	427.9	461.9	549.8	637.7
70°	375.6	411.2	488.8	566.4
72.5°	320.8	357.2	423.8	490.3
75°	239.9	275.2	328.6	382.1
77.5°	169.6	198.3	237.2	276.2
80°	124.1	150.9	180.2	209.5
82.5°	86.9	104.0	125.7	147.4
85°	41.4	45.3	55.6	65.9
87.5°	15.7	15.5	15.1	14.8
90°	24.1	14.7	9.4	4.0
92.5°	51.9	36.1	25.4	14.7
95°	104.3	82.9	58.9	41.5
97.5°	166.1	131.6	107.8	79.2
100°	199.3	165.9	143.1	112.4
102.5°	235.7	207.6	176.3	145.5
105°	300.9	266.2	230.1	195.3
107.5°	361.4	323.2	279.8	248.5
110°	399.9	358.5	313.0	284.9



TEST NUMBER: P1427931

CATALOG NUMBER: SQ2W-PH1-K-100U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	437.4	394.8	348.3	320.2
115°	488.2	441.4	398.6	374.5
117.5°	537.2	489.0	443.8	424.8
120°	567.1	519.0	474.8	460.1
122.5°	591.7	544.6	503.7	497.6
125°	628.6	580.5	545.7	553.7
127.5°	658.6	614.5	592.5	610.5
130°	676.8	638.0	624.6	650.0
132.5°	692.8	662.6	656.7	691.8
135°	716.9	699.5	704.9	753.0
137.5°	745.5	738.9	756.8	817.5
140°	763.7	767.8	793.2	861.4
142.5°	788.3	797.7	830.6	903.1
145°	826.6	846.7	889.5	961.7
147.5°	869.9	895.9	948.9	1023.0
150°	898.8	932.3	988.4	1059.3
152.5°	932.0	966.5	1022.7	1094.6
155°	983.1	1021.9	1080.7	1142.3
157.5°	1035.3	1074.9	1131.0	1184.8
160°	1067.4	1110.2	1161.0	1210.5
162.5°	1103.7	1143.3	1187.7	1231.9
165°	1157.0	1189.1	1225.2	1262.6
167.5°	1201.7	1228.4	1256.8	1285.9
170°	1230.5	1251.9	1276.0	1298.8
172.5°	1255.2	1272.3	1289.9	1309.5
175°	1288.1	1297.4	1308.1	1320.2
177.5°	1313.5	1316.7	1319.9	1325.2
180°	1324.2	1324.2	1324.2	1324.2



TEST NUMBER: P1427931
 CATALOG NUMBER: SQ2W-PH1-K-100U-100D-L935-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	19.37	20.25	20.29	21.20	22.41	18.19	19.08	19.12	20.02	21.24
	3H	21.54	22.34	22.48	23.29	24.53	19.25	20.04	20.18	20.99	22.23
	4H	22.36	23.11	23.31	24.06	25.31	19.49	20.24	20.44	21.20	22.45
	6H	22.82	23.52	23.79	24.48	25.74	19.63	20.33	20.60	21.29	22.55
	8H	22.98	23.64	23.95	24.62	25.88	19.69	20.35	20.66	21.33	22.59
	12H	23.04	23.67	24.01	24.64	25.92	19.71	20.33	20.68	21.31	22.59
4H	2H	19.80	20.56	20.76	21.51	22.76	18.88	19.63	19.84	20.59	21.84
	3H	22.06	22.68	23.03	23.67	24.93	20.11	20.74	21.08	21.73	22.99
	4H	22.93	23.50	23.91	24.48	25.77	20.41	20.98	21.38	21.96	23.24
	6H	23.49	23.99	24.48	24.99	26.27	20.61	21.10	21.60	22.10	23.39
	8H	23.70	24.16	24.69	25.15	26.45	20.70	21.16	21.69	22.15	23.45
	12H	23.78	24.20	24.79	25.21	26.51	20.72	21.14	21.73	22.15	23.45
8H	4H	22.96	23.42	23.95	24.41	25.71	20.64	21.10	21.63	22.09	23.39
	6H	23.59	23.97	24.60	25.00	26.30	20.91	21.29	21.92	22.32	23.62
	8H	23.85	24.18	24.87	25.21	26.53	21.05	21.39	22.08	22.41	23.73
	12H	23.98	24.28	25.01	25.30	26.66	21.12	21.41	22.15	22.43	23.79
12H	4H	22.91	23.32	23.92	24.34	25.64	20.63	21.05	21.64	22.06	23.37
	6H	23.56	23.90	24.59	24.92	26.24	20.94	21.28	21.97	22.30	23.62
	8H	23.84	24.13	24.86	25.15	26.51	21.11	21.40	22.13	22.42	23.78