

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: P1428454

Luminaire Tested: SQ2W-PW1-K-125U-075D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428454  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-PW1-K-125U-075D-L940-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - PERCEIVE WAVES LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 750 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

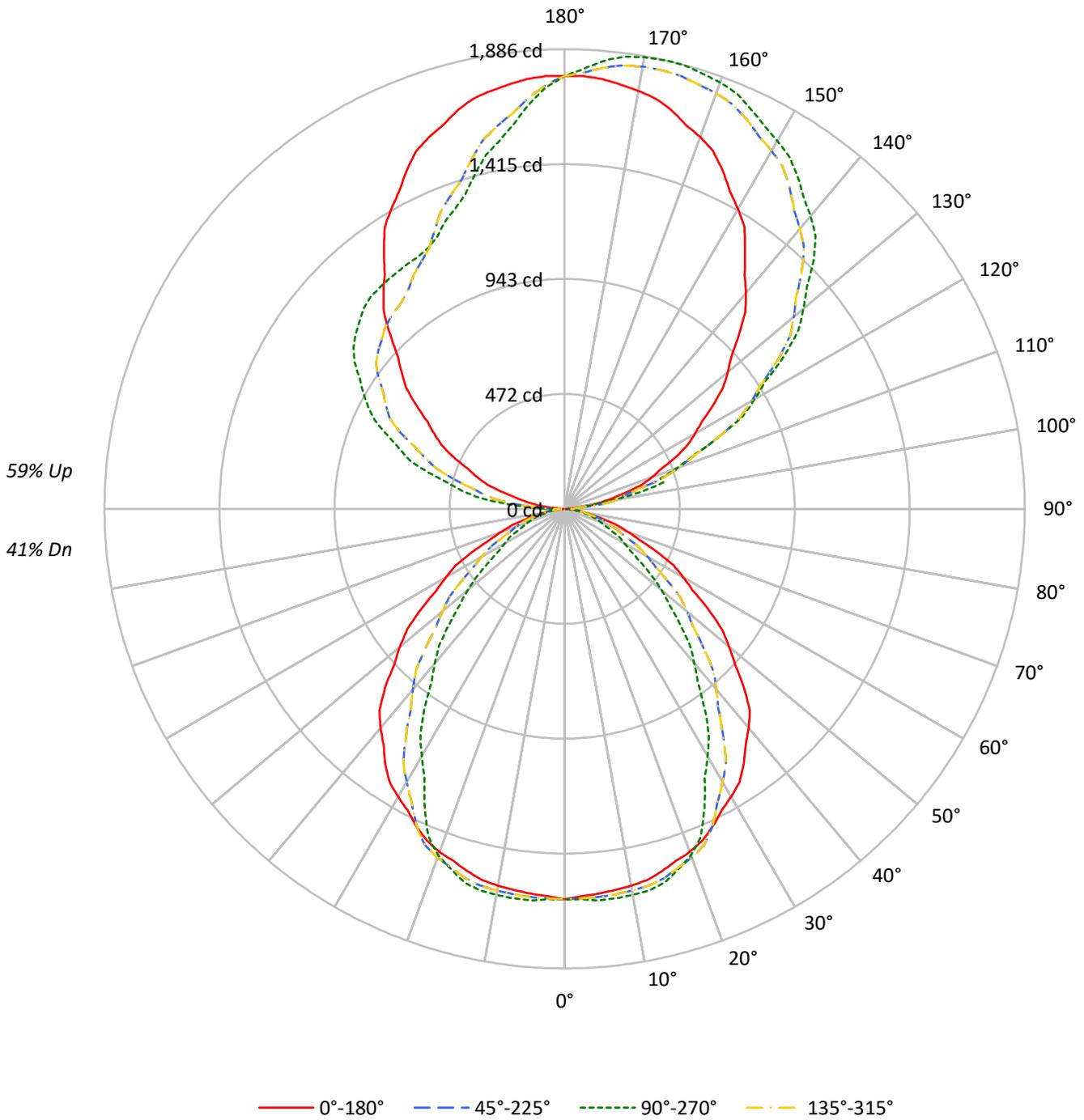
Lumens per Lamp: N/A  
Luminaire Lumens: 8747.7 lumens  
Efficiency: N/A  
Efficacy: 123.7 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 70.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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CATALOG NUMBER: SQ2W-PW1-K-125U-075D-L940-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	105	105	105	105	96	96	96	96	78	78	78	62	62	62	48	48	48	41				41
1	96	92	88	85	88	84	81	78	69	67	65	55	54	53	43	42	41				35	
2	88	81	75	70	80	74	69	65	61	58	55	49	47	45	38	37	35				30	
3	80	71	65	59	73	66	60	55	54	50	46	44	41	38	34	32	31				26	
4	74	64	56	50	67	58	52	47	48	44	40	39	36	33	31	29	27				23	
5	68	57	49	43	62	52	45	40	44	38	35	35	32	29	28	25	23				20	
6	63	51	43	38	57	47	40	35	39	34	30	32	28	26	26	23	21				18	
7	58	46	38	33	53	43	36	31	36	31	27	29	26	23	23	21	19				16	
8	54	42	34	29	49	39	32	27	33	28	24	27	23	20	22	19	17				14	
9	50	38	31	26	46	35	29	25	30	25	21	25	21	18	20	17	15				13	
10	47	35	28	23	43	33	26	22	28	23	19	23	19	17	19	16	14				12	

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	25868	25868	25868	25868
5°	25695	26141	25695	26141
10°	25743	26367	25743	26367
15°	25736	26527	25736	26527
20°	25747	26008	25747	26008
25°	25607	24166	25607	24166
30°	25433	21848	25433	21848
35°	25233	19730	25233	19730
40°	24731	17430	24731	17430
45°	23763	15225	23763	15225
50°	22116	13031	22116	13031
55°	20231	10567	20231	10567
60°	18131	9116	18131	9116
65°	15855	8103	15855	8103
70°	12968	7345	12968	7345
75°	10087	6756	10087	6756
80°	7522	5960	7522	5960
85°	5094	3390	5094	3390

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 23763 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	152.6	1.7
10°-20°	442.1	5.1
20°-30°	650.5	7.4
30°-40°	711.3	8.1
40°-50°	638.1	7.3
50°-60°	476.0	5.4
60°-70°	300.8	3.4
70°-80°	149.0	1.7
80°-90°	42.2	0.5
90°-100°	141.3	1.6
100°-110°	412.2	4.7
110°-120°	672.6	7.7
120°-130°	853.5	9.8
130°-140°	913.3	10.4
140°-150°	852.8	9.7
150°-160°	701.7	8.0
160°-170°	470.6	5.4
170°-180°	167.1	1.9
0°-30°	1245.2	14.2
0°-40°	1956.4	22.4
0°-60°	3070.5	35.1
0°-90°	3562.6	40.7
90°-120°	1226.1	14.0
90°-150°	3845.7	44.0
90°-180°	5185.0	59.3
0°-180°	8747.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1602	1602	1602	1602	1602	
5°	1585	1613	1585	1613	1585	151
15°	1540	1587	1540	1587	1540	435
25°	1437	1356	1437	1356	1437	662
35°	1280	1001	1280	1001	1280	798
45°	1041	667	1041	667	1041	798
55°	719	375	719	375	719	642
65°	415	212	415	212	415	411
75°	162	108	162	108	162	178
85°	28	18	28	18	28	35
90°	5	40	5	77	5	5
95°	56	41	56	242	56	67
105°	262	420	262	578	262	279
115°	502	696	502	857	502	495
125°	743	1103	743	1051	743	664
135°	1010	1444	1010	1164	1010	780
145°	1290	1665	1290	1189	1290	807
155°	1532	1808	1532	1234	1532	704
165°	1693	1885	1693	1421	1693	477
175°	1770	1846	1770	1666	1770	168
180°	1776	1776	1776	1776	1776	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1602.2	1602.2	1602.2	1602.2	1602.2	1602.2	1602.2	1602.2	1602.2	1602.2	1602.2
2.5°	1591.2	1600.5	1609.7	1607.5	1601.5	1598.8	1599.4	1600.2	1601.8	1603.4	1601.8
5°	1585.4	1597.0	1608.5	1606.8	1600.7	1598.0	1598.7	1600.7	1606.8	1612.9	1606.8
7.5°	1577.5	1589.2	1600.8	1600.3	1595.7	1594.5	1596.8	1600.0	1606.0	1612.0	1606.0
10°	1570.2	1582.4	1594.6	1594.6	1590.5	1590.2	1593.6	1597.5	1602.9	1608.3	1602.9
12.5°	1560.4	1573.2	1585.9	1586.9	1583.9	1584.3	1588.3	1592.6	1598.0	1603.4	1598.0
15°	1539.7	1553.2	1566.8	1569.7	1569.0	1571.0	1575.8	1580.2	1583.6	1587.0	1583.6
17.5°	1515.5	1529.1	1542.7	1545.3	1544.4	1544.5	1545.8	1547.1	1548.7	1550.3	1548.7
20°	1498.5	1512.0	1525.6	1527.4	1525.4	1522.0	1517.3	1513.7	1513.7	1513.7	1513.7
22.5°	1474.0	1488.7	1503.3	1503.4	1498.7	1489.9	1477.0	1466.2	1461.9	1457.6	1461.9
25°	1437.4	1451.7	1465.9	1459.3	1445.7	1425.7	1399.3	1376.9	1366.7	1356.5	1366.7
27.5°	1394.7	1406.2	1417.7	1400.5	1373.6	1341.4	1303.8	1272.1	1258.0	1243.9	1258.0
30°	1364.2	1373.0	1381.8	1354.5	1315.2	1274.8	1233.5	1199.0	1185.5	1171.9	1185.5
32.5°	1332.4	1335.8	1339.2	1303.2	1254.1	1208.1	1165.1	1129.2	1114.5	1099.9	1114.5
35°	1280.2	1274.1	1268.0	1220.2	1158.5	1106.0	1062.5	1026.8	1013.9	1001.0	1013.9
37.5°	1218.6	1200.4	1182.2	1128.4	1062.6	1007.0	961.5	923.9	909.7	895.4	909.7
40°	1173.4	1147.7	1121.9	1064.1	995.6	938.6	893.2	855.5	841.3	827.0	841.3
42.5°	1123.4	1091.1	1058.8	999.4	930.9	873.9	828.5	790.7	775.9	761.1	775.9
45°	1040.7	1002.7	964.7	902.8	833.0	776.0	731.9	695.3	681.1	666.8	681.1
47.5°	947.6	909.9	872.2	810.5	740.7	684.5	641.8	606.7	594.5	582.3	594.5
50°	880.5	843.8	807.2	748.2	681.7	627.2	584.4	548.7	533.7	518.8	533.7
52.5°	812.1	779.3	746.4	689.6	624.8	570.5	526.6	488.7	468.4	448.0	468.4
55°	718.7	687.5	656.3	602.7	541.7	486.8	437.9	398.4	386.9	375.4	386.9
57.5°	622.6	595.6	568.6	520.4	465.2	415.5	371.1	335.5	326.0	316.5	326.0
60°	561.5	537.8	514.1	467.9	414.4	368.9	331.6	301.3	291.8	282.3	291.8
62.5°	502.9	481.9	460.9	416.7	364.7	323.9	294.2	270.0	262.1	254.2	262.1
65°	415.0	399.5	383.9	347.4	304.0	270.1	245.7	225.7	218.9	212.1	218.9
67.5°	329.6	320.9	312.2	284.9	251.4	224.0	202.5	185.3	180.9	176.4	180.9
70°	274.7	272.0	269.2	246.7	217.5	194.1	176.5	162.4	159.0	155.6	159.0
72.5°	227.1	228.1	229.2	210.5	185.1	165.5	151.7	140.7	138.4	136.1	138.4
75°	161.7	167.2	172.6	160.2	141.9	128.0	118.5	111.1	109.7	108.3	109.7
77.5°	110.2	118.3	126.4	118.4	105.0	94.7	87.7	82.1	81.0	80.0	81.0
80°	80.9	89.0	97.2	91.6	81.4	73.6	68.2	64.1	64.1	64.1	64.1
82.5°	56.5	63.0	69.5	65.5	58.1	53.0	50.3	48.2	48.2	48.2	48.2
85°	27.5	30.9	34.2	33.1	30.3	27.0	22.9	19.7	19.0	18.3	19.0
87.5°	8.4	11.5	14.9	14.7	13.1	11.8	11.2	11.2	11.6	11.6	11.6
90°	5.4	12.6	21.5	28.7	34.1	35.9	35.9	37.7	39.5	39.5	39.5
92.5°	19.7	31.2	31.6	31.6	38.4	41.6	44.5	44.8	46.6	46.6	46.6
95°	55.6	61.0	91.5	89.7	61.0	48.4	41.3	41.3	41.3	41.3	41.3
97.5°	106.2	114.1	119.1	159.6	168.6	162.9	132.7	111.6	99.7	94.4	99.7
100°	150.7	154.3	165.0	166.8	211.7	254.7	233.2	206.3	197.3	191.9	197.3
102.5°	195.2	197.3	213.8	221.4	231.8	256.2	330.8	322.5	316.4	315.3	316.4
105°	261.9	263.7	294.2	308.5	315.7	315.7	313.9	349.8	407.2	419.7	407.2
107.5°	333.3	341.5	377.4	415.8	424.0	426.2	416.9	411.5	409.3	410.8	409.3
110°	382.1	394.6	437.7	486.1	498.7	502.3	498.7	493.3	489.7	489.7	489.7



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	429.4	447.7	496.5	552.1	573.3	584.1	576.2	572.2	568.6	571.5	568.6
115°	502.3	529.2	593.7	651.1	694.2	699.6	697.8	697.8	696.0	696.0	696.0
117.5°	569.7	612.8	685.2	752.0	801.8	816.2	823.3	821.2	819.0	822.6	819.0
120°	617.1	667.3	749.8	825.1	873.6	895.1	902.3	898.7	902.3	898.7	902.3
122.5°	667.3	729.0	810.1	888.3	945.3	969.7	978.3	979.0	979.8	977.6	979.8
125°	742.6	818.0	913.0	993.8	1052.9	1081.6	1088.8	1090.6	1094.2	1103.2	1094.2
127.5°	818.7	904.1	1008.5	1086.3	1146.9	1181.7	1192.9	1196.8	1204.3	1208.3	1204.3
130°	871.8	968.6	1074.5	1148.0	1207.2	1244.9	1264.6	1270.0	1279.0	1277.2	1279.0
132.5°	927.7	1028.9	1136.2	1212.6	1267.5	1308.0	1324.9	1340.3	1343.5	1346.1	1343.5
135°	1009.9	1119.3	1226.9	1302.3	1354.3	1393.8	1415.3	1429.6	1438.6	1444.0	1438.6
137.5°	1096.4	1211.9	1315.2	1382.3	1434.7	1468.7	1493.1	1508.2	1517.5	1521.8	1517.5
140°	1155.2	1266.4	1366.9	1436.8	1483.5	1517.5	1539.1	1557.0	1567.8	1567.8	1567.8
142.5°	1211.2	1320.9	1418.5	1488.5	1529.4	1560.6	1583.5	1597.2	1609.4	1609.4	1609.4
145°	1289.7	1399.1	1488.8	1558.8	1592.9	1621.6	1646.7	1657.5	1664.6	1664.6	1664.6
147.5°	1371.9	1468.7	1550.5	1617.6	1646.3	1680.1	1699.8	1708.4	1717.4	1713.4	1717.4
150°	1420.7	1510.4	1589.3	1652.1	1680.8	1713.1	1732.8	1740.0	1748.9	1743.6	1748.9
152.5°	1468.0	1553.4	1625.2	1683.6	1708.0	1740.3	1762.9	1770.1	1776.2	1772.3	1776.2
155°	1531.9	1607.2	1673.6	1727.4	1748.9	1779.4	1801.0	1809.9	1817.1	1808.1	1817.1
157.5°	1588.9	1653.9	1711.6	1761.1	1784.1	1810.3	1830.4	1841.5	1848.7	1844.7	1848.7
160°	1623.4	1682.6	1734.6	1781.2	1802.7	1826.1	1847.6	1860.1	1867.3	1861.9	1867.3
162.5°	1652.1	1705.5	1754.7	1797.0	1815.7	1836.1	1861.9	1873.1	1880.2	1873.4	1880.2
165°	1693.3	1736.4	1779.4	1815.3	1831.4	1847.6	1874.5	1887.1	1892.4	1885.3	1892.4
167.5°	1724.5	1757.5	1792.3	1823.2	1835.0	1850.8	1877.7	1888.1	1894.9	1886.0	1894.9
170°	1741.8	1770.5	1801.0	1826.1	1835.0	1849.4	1876.3	1885.3	1890.6	1881.7	1890.6
172.5°	1756.1	1777.6	1802.4	1824.6	1829.3	1840.8	1866.2	1875.2	1879.2	1871.6	1879.2
175°	1770.5	1783.0	1801.0	1815.3	1813.5	1820.7	1842.2	1849.4	1856.6	1845.8	1856.6
177.5°	1777.3	1783.0	1788.8	1797.4	1791.6	1791.6	1807.4	1811.7	1813.2	1807.4	1813.2
180°	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1602.2	1602.2	1602.2	1602.2	1602.2	1602.2	1602.2	1602.2	1602.2	1602.2	1602.2
2.5°	1600.2	1599.4	1598.8	1601.5	1607.5	1609.7	1600.5	1591.2	1600.5	1609.7	1607.5
5°	1600.7	1598.7	1598.0	1600.7	1606.8	1608.5	1597.0	1585.4	1597.0	1608.5	1606.8
7.5°	1600.0	1596.8	1594.5	1595.7	1600.3	1600.8	1589.2	1577.5	1589.2	1600.8	1600.3
10°	1597.5	1593.6	1590.2	1590.5	1594.6	1594.6	1582.4	1570.2	1582.4	1594.6	1594.6
12.5°	1592.6	1588.3	1584.3	1583.9	1586.9	1585.9	1573.2	1560.4	1573.2	1585.9	1586.9
15°	1580.2	1575.8	1571.0	1569.0	1569.7	1566.8	1553.2	1539.7	1553.2	1566.8	1569.7
17.5°	1547.1	1545.8	1544.5	1544.4	1545.3	1542.7	1529.1	1515.5	1529.1	1542.7	1545.3
20°	1513.7	1517.3	1522.0	1525.4	1527.4	1525.6	1512.0	1498.5	1512.0	1525.6	1527.4
22.5°	1466.2	1477.0	1489.9	1498.7	1503.4	1503.3	1488.7	1474.0	1488.7	1503.3	1503.4
25°	1376.9	1399.3	1425.7	1445.7	1459.3	1465.9	1451.7	1437.4	1451.7	1465.9	1459.3
27.5°	1272.1	1303.8	1341.4	1373.6	1400.5	1417.7	1406.2	1394.7	1406.2	1417.7	1400.5
30°	1199.0	1233.5	1274.8	1315.2	1354.5	1381.8	1373.0	1364.2	1373.0	1381.8	1354.5
32.5°	1129.2	1165.1	1208.1	1254.1	1303.2	1339.2	1335.8	1332.4	1335.8	1339.2	1303.2
35°	1026.8	1062.5	1106.0	1158.5	1220.2	1268.0	1274.1	1280.2	1274.1	1268.0	1220.2
37.5°	923.9	961.5	1007.0	1062.6	1128.4	1182.2	1200.4	1218.6	1200.4	1182.2	1128.4
40°	855.5	893.2	938.6	995.6	1064.1	1121.9	1147.7	1173.4	1147.7	1121.9	1064.1
42.5°	790.7	828.5	873.9	930.9	999.4	1058.8	1091.1	1123.4	1091.1	1058.8	999.4
45°	695.3	731.9	776.0	833.0	902.8	964.7	1002.7	1040.7	1002.7	964.7	902.8
47.5°	606.7	641.8	684.5	740.7	810.5	872.2	909.9	947.6	909.9	872.2	810.5
50°	548.7	584.4	627.2	681.7	748.2	807.2	843.8	880.5	843.8	807.2	748.2
52.5°	488.7	526.6	570.5	624.8	689.6	746.4	779.3	812.1	779.3	746.4	689.6
55°	398.4	437.9	486.8	541.7	602.7	656.3	687.5	718.7	687.5	656.3	602.7
57.5°	335.5	371.1	415.5	465.2	520.4	568.6	595.6	622.6	595.6	568.6	520.4
60°	301.3	331.6	368.9	414.4	467.9	514.1	537.8	561.5	537.8	514.1	467.9
62.5°	270.0	294.2	323.9	364.7	416.7	460.9	481.9	502.9	481.9	460.9	416.7
65°	225.7	245.7	270.1	304.0	347.4	383.9	399.5	415.0	399.5	383.9	347.4
67.5°	185.3	202.5	224.0	251.4	284.9	312.2	320.9	329.6	320.9	312.2	284.9
70°	162.4	176.5	194.1	217.5	246.7	269.2	272.0	274.7	272.0	269.2	246.7
72.5°	140.7	151.7	165.5	185.1	210.5	229.2	228.1	227.1	228.1	229.2	210.5
75°	111.1	118.5	128.0	141.9	160.2	172.6	167.2	161.7	167.2	172.6	160.2
77.5°	82.1	87.7	94.7	105.0	118.4	126.4	118.3	110.2	118.3	126.4	118.4
80°	64.1	68.2	73.6	81.4	91.6	97.2	89.0	80.9	89.0	97.2	91.6
82.5°	48.2	50.3	53.0	58.1	65.5	69.5	63.0	56.5	63.0	69.5	65.5
85°	19.7	22.9	27.0	30.3	33.1	34.2	30.9	27.5	30.9	34.2	33.1
87.5°	11.2	11.2	11.8	13.1	14.7	14.9	11.5	8.4	11.5	14.5	15.4
90°	37.7	35.9	35.9	34.1	28.7	21.5	12.6	5.4	12.6	19.7	32.3
92.5°	44.8	44.5	41.6	38.4	31.6	31.6	31.2	19.7	34.1	48.4	69.6
95°	41.3	41.3	48.4	61.0	89.7	91.5	61.0	55.6	78.9	111.2	139.9
97.5°	111.6	132.7	162.9	168.6	159.6	119.1	114.1	106.2	144.6	176.5	222.8
100°	206.3	233.2	254.7	211.7	166.8	165.0	154.3	150.7	191.9	222.4	267.3
102.5°	322.5	330.8	256.2	231.8	221.4	213.8	197.3	195.2	236.4	278.4	316.1
105°	349.8	313.9	315.7	315.7	308.5	294.2	263.7	261.9	308.5	357.0	403.6
107.5°	411.5	416.9	426.2	424.0	415.8	377.4	341.5	333.3	375.3	433.4	484.7
110°	493.3	498.7	502.3	498.7	486.1	437.7	394.6	382.1	419.7	480.7	536.3



TEST NUMBER: P1428454

CATALOG NUMBER: SQ2W-PW1-K-125U-075D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	572.2	576.2	584.1	573.3	552.1	496.5	447.7	429.4	467.1	529.5	586.6
115°	697.8	697.8	699.6	694.2	651.1	593.7	529.2	502.3	534.5	591.9	654.7
117.5°	821.2	823.3	816.2	801.8	752.0	685.2	612.8	569.7	595.2	655.8	720.4
120°	898.7	902.3	895.1	873.6	825.1	749.8	667.3	617.1	636.8	696.0	760.6
122.5°	979.0	978.3	969.7	945.3	888.3	810.1	729.0	667.3	675.5	730.4	793.6
125°	1090.6	1088.8	1081.6	1052.9	993.8	913.0	818.0	742.6	731.9	778.5	843.1
127.5°	1196.8	1192.9	1181.7	1146.9	1086.3	1008.5	904.1	818.7	794.6	824.1	883.3
130°	1270.0	1264.6	1244.9	1207.2	1148.0	1074.5	968.6	871.8	837.7	855.6	907.7
132.5°	1340.3	1324.9	1308.0	1267.5	1212.6	1136.2	1028.9	927.7	880.7	888.6	929.2
135°	1429.6	1415.3	1393.8	1354.3	1302.3	1226.9	1119.3	1009.9	945.3	938.1	961.5
137.5°	1508.2	1493.1	1468.7	1434.7	1382.3	1315.2	1211.9	1096.4	1014.9	990.9	999.9
140°	1557.0	1539.1	1517.5	1483.5	1436.8	1366.9	1266.4	1155.2	1063.7	1029.6	1024.2
142.5°	1597.2	1583.5	1560.6	1529.4	1488.5	1418.5	1320.9	1211.2	1113.9	1069.8	1057.3
145°	1657.5	1646.7	1621.6	1592.9	1558.8	1488.8	1399.1	1289.7	1192.9	1135.5	1108.6
147.5°	1708.4	1699.8	1680.1	1646.3	1617.6	1550.5	1468.7	1371.9	1272.5	1201.5	1166.7
150°	1740.0	1732.8	1713.1	1680.8	1652.1	1589.3	1510.4	1420.7	1325.6	1250.3	1205.4
152.5°	1770.1	1762.9	1740.3	1708.0	1683.6	1625.2	1553.4	1468.0	1371.5	1296.2	1249.9
155°	1809.9	1801.0	1779.4	1748.9	1727.4	1673.6	1607.2	1531.9	1449.4	1370.4	1318.4
157.5°	1841.5	1830.4	1810.3	1784.1	1761.1	1711.6	1653.9	1588.9	1516.8	1441.5	1388.4
160°	1860.1	1847.6	1826.1	1802.7	1781.2	1734.6	1682.6	1623.4	1557.0	1488.8	1431.4
162.5°	1873.1	1861.9	1836.1	1815.7	1797.0	1754.7	1705.5	1652.1	1592.9	1533.3	1480.2
165°	1887.1	1874.5	1847.6	1831.4	1815.3	1779.4	1736.4	1693.3	1643.1	1594.7	1551.6
167.5°	1888.1	1877.7	1850.8	1835.0	1823.2	1792.3	1757.5	1724.5	1685.4	1647.4	1611.5
170°	1885.3	1876.3	1849.4	1835.0	1826.1	1801.0	1770.5	1741.8	1711.3	1679.0	1650.3
172.5°	1875.2	1866.2	1840.8	1829.3	1824.6	1802.4	1777.6	1756.1	1729.9	1706.2	1683.3
175°	1849.4	1842.2	1820.7	1813.5	1815.3	1801.0	1783.0	1770.5	1754.3	1740.0	1727.4
177.5°	1811.7	1807.4	1791.6	1791.6	1797.4	1788.8	1783.0	1777.3	1770.1	1765.8	1761.5
180°	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8



TEST NUMBER: P1428454

CATALOG NUMBER: SQ2W-PW1-K-125U-075D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1602.2	1602.2	1602.2	1602.2	1602.2	1602.2	1602.2	1602.2	1602.2	1602.2	1602.2
2.5°	1601.5	1598.8	1599.4	1600.2	1601.8	1603.4	1601.8	1600.2	1599.4	1598.8	1601.5
5°	1600.7	1598.0	1598.7	1600.7	1606.8	1612.9	1606.8	1600.7	1598.7	1598.0	1600.7
7.5°	1595.7	1594.5	1596.8	1600.0	1606.0	1612.0	1606.0	1600.0	1596.8	1594.5	1595.7
10°	1590.5	1590.2	1593.6	1597.5	1602.9	1608.3	1602.9	1597.5	1593.6	1590.2	1590.5
12.5°	1583.9	1584.3	1588.3	1592.6	1598.0	1603.4	1598.0	1592.6	1588.3	1584.3	1583.9
15°	1569.0	1571.0	1575.8	1580.2	1583.6	1587.0	1583.6	1580.2	1575.8	1571.0	1569.0
17.5°	1544.4	1544.5	1545.8	1547.1	1548.7	1550.3	1548.7	1547.1	1545.8	1544.5	1544.4
20°	1525.4	1522.0	1517.3	1513.7	1513.7	1513.7	1513.7	1513.7	1517.3	1522.0	1525.4
22.5°	1498.7	1489.9	1477.0	1466.2	1461.9	1457.6	1461.9	1466.2	1477.0	1489.9	1498.7
25°	1445.7	1425.7	1399.3	1376.9	1366.7	1356.5	1366.7	1376.9	1399.3	1425.7	1445.7
27.5°	1373.6	1341.4	1303.8	1272.1	1258.0	1243.9	1258.0	1272.1	1303.8	1341.4	1373.6
30°	1315.2	1274.8	1233.5	1199.0	1185.5	1171.9	1185.5	1199.0	1233.5	1274.8	1315.2
32.5°	1254.1	1208.1	1165.1	1129.2	1114.5	1099.9	1114.5	1129.2	1165.1	1208.1	1254.1
35°	1158.5	1106.0	1062.5	1026.8	1013.9	1001.0	1013.9	1026.8	1062.5	1106.0	1158.5
37.5°	1062.6	1007.0	961.5	923.9	909.7	895.4	909.7	923.9	961.5	1007.0	1062.6
40°	995.6	938.6	893.2	855.5	841.3	827.0	841.3	855.5	893.2	938.6	995.6
42.5°	930.9	873.9	828.5	790.7	775.9	761.1	775.9	790.7	828.5	873.9	930.9
45°	833.0	776.0	731.9	695.3	681.1	666.8	681.1	695.3	731.9	776.0	833.0
47.5°	740.7	684.5	641.8	606.7	594.5	582.3	594.5	606.7	641.8	684.5	740.7
50°	681.7	627.2	584.4	548.7	533.7	518.8	533.7	548.7	584.4	627.2	681.7
52.5°	624.8	570.5	526.6	488.7	468.4	448.0	468.4	488.7	526.6	570.5	624.8
55°	541.7	486.8	437.9	398.4	386.9	375.4	386.9	398.4	437.9	486.8	541.7
57.5°	465.2	415.5	371.1	335.5	326.0	316.5	326.0	335.5	371.1	415.5	465.2
60°	414.4	368.9	331.6	301.3	291.8	282.3	291.8	301.3	331.6	368.9	414.4
62.5°	364.7	323.9	294.2	270.0	262.1	254.2	262.1	270.0	294.2	323.9	364.7
65°	304.0	270.1	245.7	225.7	218.9	212.1	218.9	225.7	245.7	270.1	304.0
67.5°	251.4	224.0	202.5	185.3	180.9	176.4	180.9	185.3	202.5	224.0	251.4
70°	217.5	194.1	176.5	162.4	159.0	155.6	159.0	162.4	176.5	194.1	217.5
72.5°	185.1	165.5	151.7	140.7	138.4	136.1	138.4	140.7	151.7	165.5	185.1
75°	141.9	128.0	118.5	111.1	109.7	108.3	109.7	111.1	118.5	128.0	141.9
77.5°	105.0	94.7	87.7	82.1	81.0	80.0	81.0	82.1	87.7	94.7	105.0
80°	81.4	73.6	68.2	64.1	64.1	64.1	64.1	64.1	68.2	73.6	81.4
82.5°	58.1	53.0	50.3	48.2	48.2	48.2	48.2	48.2	50.3	53.0	58.1
85°	30.3	27.0	22.9	19.7	19.0	18.3	19.0	19.7	22.9	27.0	30.3
87.5°	14.5	15.4	17.3	18.4	19.8	19.1	19.8	18.4	17.3	15.4	14.5
90°	41.3	53.8	66.4	73.5	80.7	77.1	80.7	73.5	66.4	53.8	41.3
92.5°	82.9	104.0	119.5	132.4	138.1	137.4	138.1	132.4	119.5	104.0	82.9
95°	166.8	191.9	217.0	235.0	245.7	242.2	245.7	235.0	217.0	191.9	166.8
97.5°	257.2	291.0	318.9	335.8	346.6	353.7	346.6	335.8	318.9	291.0	257.2
100°	317.5	349.8	382.1	401.8	419.7	426.9	419.7	401.8	382.1	349.8	317.5
102.5°	366.3	408.6	443.8	464.9	480.0	487.2	480.0	464.9	443.8	408.6	366.3
105°	446.7	491.5	529.2	556.1	572.2	577.6	572.2	556.1	529.2	491.5	446.7
107.5°	527.0	573.3	608.1	637.9	657.6	669.1	657.6	637.9	608.1	573.3	527.0
110°	590.2	627.8	665.5	692.4	712.1	719.3	712.1	692.4	665.5	627.8	590.2

TEST NUMBER: P1428454

CATALOG NUMBER: SQ2W-PW1-K-125U-075D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	643.2	685.2	722.9	749.8	772.4	782.4	772.4	749.8	722.9	685.2	643.2
115°	717.5	773.1	807.2	832.3	848.5	857.4	848.5	832.3	807.2	773.1	717.5
117.5°	779.2	837.3	874.6	894.0	901.6	908.0	901.6	894.0	874.6	837.3	779.2
120°	818.0	871.8	914.8	939.9	948.9	952.5	948.9	939.9	914.8	871.8	818.0
122.5°	853.8	904.8	946.4	977.3	992.0	995.5	992.0	977.3	946.4	904.8	853.8
125°	904.1	952.5	995.5	1026.0	1042.2	1051.2	1042.2	1026.0	995.5	952.5	904.1
127.5°	947.8	1000.2	1039.7	1067.3	1083.1	1090.3	1083.1	1067.3	1039.7	1000.2	947.8
130°	972.2	1026.0	1065.5	1096.0	1110.3	1117.5	1110.3	1096.0	1065.5	1026.0	972.2
132.5°	990.9	1047.6	1088.5	1116.1	1131.9	1139.0	1131.9	1116.1	1088.5	1047.6	990.9
135°	1013.5	1072.7	1115.7	1142.6	1157.0	1164.2	1157.0	1142.6	1115.7	1072.7	1013.5
137.5°	1033.2	1087.0	1131.9	1160.2	1173.1	1177.8	1173.1	1160.2	1131.9	1087.0	1033.2
140°	1047.6	1094.2	1139.0	1166.0	1180.3	1182.1	1180.3	1166.0	1139.0	1094.2	1047.6
142.5°	1066.2	1102.8	1141.9	1168.8	1183.2	1186.4	1183.2	1168.8	1141.9	1102.8	1066.2
145°	1099.6	1121.1	1148.0	1173.1	1185.7	1189.3	1185.7	1173.1	1148.0	1121.1	1099.6
147.5°	1141.6	1148.4	1162.4	1178.9	1191.1	1193.6	1191.1	1178.9	1162.4	1148.4	1141.6
150°	1173.1	1171.3	1176.7	1187.5	1198.2	1196.5	1198.2	1187.5	1176.7	1171.3	1173.1
152.5°	1209.0	1198.6	1198.2	1203.3	1208.3	1207.9	1208.3	1203.3	1198.2	1198.6	1209.0
155°	1270.0	1250.3	1239.5	1235.9	1235.9	1234.1	1235.9	1235.9	1239.5	1250.3	1270.0
157.5°	1337.1	1309.5	1293.3	1284.7	1282.2	1278.2	1282.2	1284.7	1293.3	1309.5	1337.1
160°	1383.0	1352.5	1336.4	1322.0	1316.6	1311.3	1316.6	1322.0	1336.4	1352.5	1383.0
162.5°	1426.1	1397.0	1379.4	1366.5	1361.1	1352.9	1361.1	1366.5	1379.4	1397.0	1426.1
165°	1496.0	1465.5	1445.8	1435.0	1427.8	1420.7	1427.8	1435.0	1445.8	1465.5	1496.0
167.5°	1566.0	1532.6	1519.7	1507.5	1500.7	1487.8	1500.7	1507.5	1519.7	1532.6	1566.0
170°	1609.0	1578.5	1571.4	1560.6	1548.0	1533.7	1548.0	1560.6	1571.4	1578.5	1609.0
172.5°	1646.3	1625.9	1618.7	1607.9	1604.0	1592.5	1604.0	1607.9	1618.7	1625.9	1646.3
175°	1700.5	1684.4	1684.4	1682.6	1677.2	1666.4	1677.2	1682.6	1684.4	1684.4	1700.5
177.5°	1745.7	1737.1	1742.8	1742.8	1741.4	1731.4	1741.4	1742.8	1742.8	1737.1	1745.7
180°	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8	1775.8



TEST NUMBER: P1428454

CATALOG NUMBER: SQ2W-PW1-K-125U-075D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1602.2	1602.2	1602.2	1602.2
2.5°	1607.5	1609.7	1600.5	1591.2
5°	1606.8	1608.5	1597.0	1585.4
7.5°	1600.3	1600.8	1589.2	1577.5
10°	1594.6	1594.6	1582.4	1570.2
12.5°	1586.9	1585.9	1573.2	1560.4
15°	1569.7	1566.8	1553.2	1539.7
17.5°	1545.3	1542.7	1529.1	1515.5
20°	1527.4	1525.6	1512.0	1498.5
22.5°	1503.4	1503.3	1488.7	1474.0
25°	1459.3	1465.9	1451.7	1437.4
27.5°	1400.5	1417.7	1406.2	1394.7
30°	1354.5	1381.8	1373.0	1364.2
32.5°	1303.2	1339.2	1335.8	1332.4
35°	1220.2	1268.0	1274.1	1280.2
37.5°	1128.4	1182.2	1200.4	1218.6
40°	1064.1	1121.9	1147.7	1173.4
42.5°	999.4	1058.8	1091.1	1123.4
45°	902.8	964.7	1002.7	1040.7
47.5°	810.5	872.2	909.9	947.6
50°	748.2	807.2	843.8	880.5
52.5°	689.6	746.4	779.3	812.1
55°	602.7	656.3	687.5	718.7
57.5°	520.4	568.6	595.6	622.6
60°	467.9	514.1	537.8	561.5
62.5°	416.7	460.9	481.9	502.9
65°	347.4	383.9	399.5	415.0
67.5°	284.9	312.2	320.9	329.6
70°	246.7	269.2	272.0	274.7
72.5°	210.5	229.2	228.1	227.1
75°	160.2	172.6	167.2	161.7
77.5°	118.4	126.4	118.3	110.2
80°	91.6	97.2	89.0	80.9
82.5°	65.5	69.5	63.0	56.5
85°	33.1	34.2	30.9	27.5
87.5°	15.4	14.5	11.5	8.4
90°	32.3	19.7	12.6	5.4
92.5°	69.6	48.4	34.1	19.7
95°	139.9	111.2	78.9	55.6
97.5°	222.8	176.5	144.6	106.2
100°	267.3	222.4	191.9	150.7
102.5°	316.1	278.4	236.4	195.2
105°	403.6	357.0	308.5	261.9
107.5°	484.7	433.4	375.3	333.3
110°	536.3	480.7	419.7	382.1



TEST NUMBER: P1428454

CATALOG NUMBER: SQ2W-PW1-K-125U-075D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	586.6	529.5	467.1	429.4
115°	654.7	591.9	534.5	502.3
117.5°	720.4	655.8	595.2	569.7
120°	760.6	696.0	636.8	617.1
122.5°	793.6	730.4	675.5	667.3
125°	843.1	778.5	731.9	742.6
127.5°	883.3	824.1	794.6	818.7
130°	907.7	855.6	837.7	871.8
132.5°	929.2	888.6	880.7	927.7
135°	961.5	938.1	945.3	1009.9
137.5°	999.9	990.9	1014.9	1096.4
140°	1024.2	1029.6	1063.7	1155.2
142.5°	1057.3	1069.8	1113.9	1211.2
145°	1108.6	1135.5	1192.9	1289.7
147.5°	1166.7	1201.5	1272.5	1371.9
150°	1205.4	1250.3	1325.6	1420.7
152.5°	1249.9	1296.2	1371.5	1468.0
155°	1318.4	1370.4	1449.4	1531.9
157.5°	1388.4	1441.5	1516.8	1588.9
160°	1431.4	1488.8	1557.0	1623.4
162.5°	1480.2	1533.3	1592.9	1652.1
165°	1551.6	1594.7	1643.1	1693.3
167.5°	1611.5	1647.4	1685.4	1724.5
170°	1650.3	1679.0	1711.3	1741.8
172.5°	1683.3	1706.2	1729.9	1756.1
175°	1727.4	1740.0	1754.3	1770.5
177.5°	1761.5	1765.8	1770.1	1777.3
180°	1775.8	1775.8	1775.8	1775.8



TEST NUMBER: P1428454  
 CATALOG NUMBER: SQ2W-PW1-K-125U-075D-L940-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	17.28	18.04	18.32	19.08	20.48	13.53	14.28	14.57	15.33	16.73
	3H	18.57	19.25	19.62	20.30	21.72	14.79	15.47	15.84	16.52	17.94
	4H	18.98	19.62	20.04	20.67	22.10	15.29	15.93	16.35	16.98	18.41
	6H	19.15	19.74	20.22	20.80	22.24	15.59	16.18	16.67	17.24	18.68
	8H	19.19	19.75	20.27	20.82	22.26	15.71	16.26	16.78	17.34	18.77
	12H	19.19	19.72	20.27	20.79	22.24	15.73	16.26	16.81	17.33	18.79
4H	2H	17.40	18.04	18.47	19.09	20.52	14.33	14.97	15.39	16.02	17.44
	3H	18.93	19.46	20.00	20.54	21.98	15.76	16.29	16.84	17.37	18.81
	4H	19.47	19.96	20.55	21.03	22.49	16.34	16.82	17.42	17.89	19.36
	6H	19.78	20.19	20.87	21.29	22.74	16.72	17.13	17.81	18.23	19.68
	8H	19.87	20.25	20.96	21.34	22.81	16.86	17.25	17.95	18.34	19.81
	12H	19.88	20.23	20.99	21.33	22.81	16.90	17.25	18.01	18.35	19.83
8H	4H	19.50	19.89	20.59	20.98	22.45	16.67	17.06	17.76	18.15	19.62
	6H	19.92	20.24	21.03	21.37	22.84	17.16	17.48	18.27	18.61	20.08
	8H	20.09	20.37	21.21	21.48	22.97	17.38	17.66	18.50	18.77	20.26
	12H	20.16	20.41	21.29	21.52	23.04	17.46	17.71	18.58	18.81	20.34
12H	4H	19.46	19.81	20.56	20.91	22.38	16.69	17.04	17.79	18.14	19.61
	6H	19.91	20.20	21.03	21.31	22.79	17.24	17.52	18.35	18.63	20.12
	8H	20.10	20.35	21.22	21.45	22.98	17.48	17.72	18.60	18.83	20.36