

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: P1427698

Luminaire Tested: SQ2W-F-K-025U-125D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1427698  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-F-K-025U-125D-L940-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - FROSTED CONTINUOUS ROLL LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 1250 LUMENS PER FOOT  
UPLIGHT 250 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

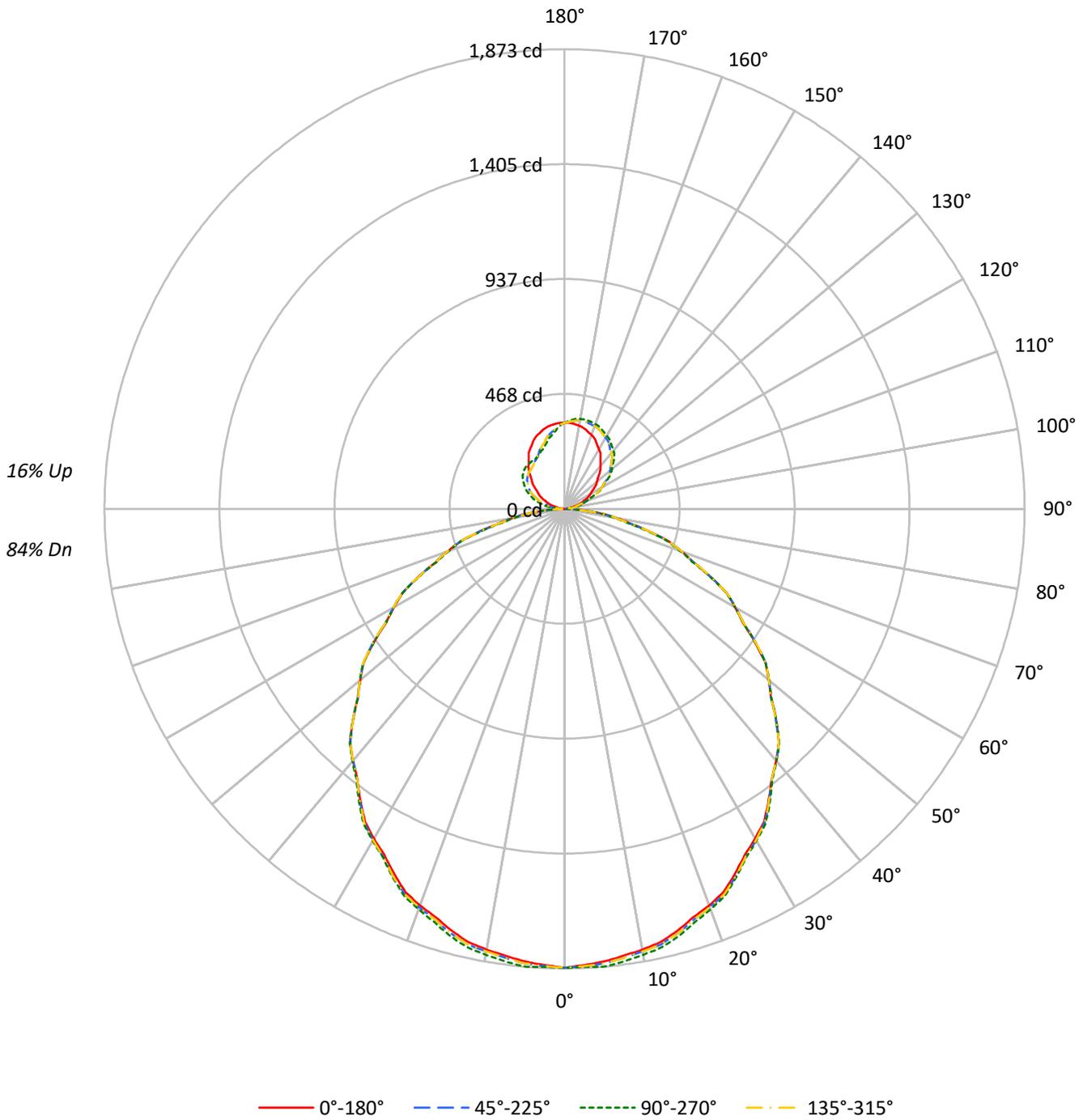
Lumens per Lamp: N/A  
Luminaire Lumens: 6289.0 lumens  
Efficiency: N/A  
Efficacy: 110.9 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 56.7  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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	115	115	115	115	111	111	111	111	102	102	102	94	94	94	87	87	87	84				
1	105	100	96	92	101	97	93	89	89	86	84	83	80	78	77	75	73	70				
2	95	87	81	75	91	84	78	73	78	73	69	72	68	65	67	64	61	58				
3	87	77	69	62	83	74	67	61	69	63	58	64	59	55	59	55	52	49				
4	80	68	59	53	76	65	58	52	61	54	49	57	51	47	53	48	44	42				
5	73	61	52	45	70	58	50	44	55	48	42	51	45	40	47	43	39	36				
6	67	54	46	39	64	53	45	39	49	42	37	46	40	35	43	38	34	32				
7	62	49	41	35	60	48	40	34	45	38	33	42	36	31	39	34	30	28				
8	58	45	37	31	56	43	36	30	41	34	29	38	32	28	36	31	27	25				
9	54	41	33	28	52	40	32	27	38	31	26	35	29	25	33	28	24	22				
10	51	38	30	25	49	37	29	25	35	28	24	33	27	23	31	26	22	20				

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

	0°	90°	180°	270°
0°	30197	30197	30197	30197
5°	30013	30355	30013	30355
10°	29907	30251	29907	30251
15°	29743	30117	29743	30117
20°	29554	29848	29554	29848
25°	29236	29494	29236	29494
30°	28925	29123	28925	29123
35°	28556	28737	28556	28737
40°	28232	28314	28232	28314
45°	27818	27818	27818	27818
50°	27261	27326	27261	27326
55°	26620	26657	26620	26657
60°	25901	25901	25901	25901
65°	25058	24958	25058	24958
70°	23877	23627	23877	23627
75°	22264	21771	22264	21771
80°	19842	18856	19842	18856
85°	15857	13412	15857	13412

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 28005 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	177.0	2.8
10°-20°	505.6	8.0
20°-30°	761.1	12.1
30°-40°	910.2	14.5
40°-50°	939.9	14.9
50°-60°	847.7	13.5
60°-70°	649.4	10.3
70°-80°	375.3	6.0
80°-90°	98.9	1.6
90°-100°	27.9	0.4
100°-110°	81.4	1.3
110°-120°	132.8	2.1
120°-130°	168.5	2.7
130°-140°	180.3	2.9
140°-150°	168.4	2.7
150°-160°	138.6	2.2
160°-170°	92.9	1.5
170°-180°	33.0	0.5
0°-30°	1443.7	23.0
0°-40°	2353.9	37.4
0°-60°	4141.5	65.9
0°-90°	5265.1	83.7
90°-120°	242.1	3.8
90°-150°	759.4	12.1
90°-180°	1024.0	16.3
0°-180°	6289.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1870	1870	1870	1870	1870	
5°	1852	1873	1852	1873	1852	176
15°	1779	1802	1779	1802	1779	502
25°	1641	1656	1641	1656	1641	756
35°	1449	1458	1449	1458	1449	907
45°	1218	1218	1218	1218	1218	939
55°	946	947	946	947	946	845
65°	656	653	656	653	656	648
75°	357	349	357	349	357	378
85°	86	72	86	72	86	100
90°	1	8	1	15	1	4
95°	11	8	11	48	11	13
105°	52	83	52	114	52	55
115°	99	137	99	169	99	98
125°	147	218	147	208	147	131
135°	199	285	199	230	199	154
145°	255	329	255	235	255	159
155°	302	357	302	244	302	139
165°	334	372	334	280	334	94
175°	350	364	350	329	350	33
180°	351	351	351	351	351	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3
2.5°	1860.8	1869.7	1878.6	1874.8	1866.9	1863.8	1865.7	1867.3	1868.3	1869.2	1868.3
5°	1851.8	1863.5	1875.2	1871.1	1861.8	1857.7	1858.8	1861.2	1867.0	1872.9	1867.0
7.5°	1836.8	1848.5	1860.2	1856.5	1847.6	1843.8	1845.2	1847.8	1853.9	1860.0	1853.9
10°	1824.2	1835.9	1847.6	1843.5	1834.1	1830.6	1832.9	1835.9	1840.5	1845.2	1840.5
12.5°	1808.4	1820.1	1831.8	1828.4	1819.9	1816.4	1817.8	1820.2	1825.3	1830.5	1825.3
15°	1779.4	1791.1	1802.8	1799.6	1791.4	1788.2	1789.9	1792.4	1797.1	1801.8	1797.1
17.5°	1744.3	1755.3	1766.4	1763.4	1755.8	1753.0	1755.0	1757.5	1761.6	1765.7	1761.6
20°	1720.1	1730.6	1741.2	1738.1	1730.5	1727.0	1727.6	1729.0	1733.1	1737.2	1733.1
22.5°	1690.6	1701.1	1711.7	1709.0	1701.8	1697.6	1696.3	1696.6	1701.6	1706.7	1701.6
25°	1641.1	1651.6	1662.2	1660.0	1653.5	1649.4	1647.7	1647.4	1651.5	1655.6	1651.5
27.5°	1589.5	1598.2	1607.0	1605.2	1599.8	1596.5	1595.3	1595.2	1598.1	1601.0	1598.1
30°	1551.5	1560.3	1569.1	1566.9	1561.0	1557.5	1556.4	1556.2	1559.1	1562.1	1559.1
32.5°	1511.5	1519.8	1528.1	1525.1	1518.3	1514.8	1514.6	1515.2	1518.6	1522.0	1518.6
35°	1448.8	1455.8	1462.8	1459.8	1453.3	1450.4	1451.0	1452.2	1455.1	1458.0	1455.1
37.5°	1385.8	1391.2	1396.6	1393.5	1387.5	1384.5	1384.3	1384.9	1387.3	1389.8	1387.3
40°	1339.5	1345.3	1351.2	1347.8	1341.4	1337.9	1337.3	1337.6	1340.5	1343.4	1340.5
42.5°	1292.1	1296.5	1301.0	1297.9	1292.4	1289.9	1290.2	1290.9	1292.4	1293.9	1292.4
45°	1218.3	1222.4	1226.5	1223.6	1218.3	1215.7	1215.7	1216.0	1217.1	1218.3	1217.1
47.5°	1141.1	1144.3	1147.4	1145.2	1141.1	1138.7	1138.0	1137.9	1139.8	1141.6	1139.8
50°	1085.3	1089.4	1093.5	1091.4	1087.3	1084.7	1083.5	1083.2	1085.6	1087.9	1085.6
52.5°	1030.5	1035.1	1039.6	1037.7	1033.6	1030.7	1029.1	1028.3	1030.2	1032.1	1030.2
55°	945.7	950.9	956.2	954.9	951.4	948.4	946.1	944.6	945.8	947.0	945.8
57.5°	859.0	864.2	869.3	868.3	865.3	862.3	859.5	857.8	859.5	861.1	859.5
60°	802.1	806.8	811.5	810.0	806.5	803.6	801.2	799.8	800.9	802.1	800.9
62.5°	744.2	748.8	753.5	751.7	747.7	744.6	742.2	740.8	741.9	743.1	741.9
65°	655.9	660.0	664.1	662.5	659.0	656.1	653.7	652.1	652.7	653.3	652.7
67.5°	566.9	570.4	573.9	572.2	568.8	565.4	562.0	559.7	560.7	561.6	560.7
70°	505.8	509.3	512.8	511.5	508.5	505.6	502.7	500.5	500.5	500.5	500.5
72.5°	446.8	449.8	452.8	451.1	447.7	444.7	442.3	440.4	440.4	440.4	440.4
75°	356.9	358.7	360.4	359.6	357.8	355.5	352.5	350.2	349.6	349.0	349.6
77.5°	270.3	270.3	270.3	268.6	266.4	264.1	261.9	260.1	259.4	258.7	259.4
80°	213.4	213.4	213.4	212.1	210.3	208.5	206.8	205.2	204.0	202.8	204.0
82.5°	160.7	159.7	158.8	157.3	155.5	153.3	150.6	148.9	150.0	151.2	150.0
85°	85.6	84.4	83.3	81.7	79.9	77.9	75.5	73.6	73.0	72.4	73.0
87.5°	26.6	25.9	25.3	24.3	23.1	21.6	19.7	18.2	17.8	17.4	17.8
90°	1.1	2.5	4.3	5.7	6.7	7.1	7.1	7.4	7.8	7.8	7.8
92.5°	3.9	6.2	6.2	6.2	7.6	8.2	8.8	8.9	9.2	9.2	9.2
95°	11.0	12.0	18.1	17.7	12.0	9.6	8.1	8.1	8.1	8.1	8.1
97.5°	21.0	22.5	23.5	31.5	33.3	32.2	26.2	22.0	19.7	18.6	19.7
100°	29.8	30.5	32.6	32.9	41.8	50.3	46.0	40.7	39.0	37.9	39.0
102.5°	38.5	39.0	42.2	43.7	45.8	50.6	65.3	63.7	62.5	62.3	62.5
105°	51.7	52.1	58.1	60.9	62.3	62.3	62.0	69.1	80.4	82.9	80.4
107.5°	65.8	67.4	74.5	82.1	83.7	84.2	82.3	81.3	80.8	81.1	80.8
110°	75.4	77.9	86.4	96.0	98.5	99.2	98.5	97.4	96.7	96.7	96.7



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	84.8	88.4	98.0	109.0	113.2	115.3	113.8	113.0	112.3	112.9	112.3
115°	99.2	104.5	117.2	128.6	137.1	138.1	137.8	137.8	137.4	137.4	137.4
117.5°	112.5	121.0	135.3	148.5	158.3	161.2	162.6	162.2	161.7	162.4	161.7
120°	121.9	131.8	148.1	162.9	172.5	176.8	178.2	177.5	178.2	177.5	178.2
122.5°	131.8	144.0	160.0	175.4	186.7	191.5	193.2	193.3	193.5	193.1	193.5
125°	146.6	161.5	180.3	196.2	207.9	213.6	215.0	215.4	216.1	217.8	216.1
127.5°	161.7	178.5	199.1	214.5	226.5	233.4	235.6	236.3	237.8	238.6	237.8
130°	172.2	191.3	212.2	226.7	238.4	245.8	249.7	250.8	252.6	252.2	252.6
132.5°	183.2	203.2	224.4	239.5	250.3	258.3	261.6	264.7	265.3	265.8	265.3
135°	199.4	221.0	242.3	257.2	267.4	275.2	279.5	282.3	284.1	285.1	284.1
137.5°	216.5	239.3	259.7	273.0	283.3	290.0	294.9	297.8	299.7	300.5	299.7
140°	228.1	250.1	269.9	283.7	292.9	299.7	303.9	307.5	309.6	309.6	309.6
142.5°	239.2	260.9	280.1	293.9	302.0	308.2	312.7	315.4	317.8	317.8	317.8
145°	254.7	276.3	294.0	307.8	314.6	320.2	325.2	327.3	328.7	328.7	328.7
147.5°	270.9	290.0	306.2	319.4	325.1	331.8	335.7	337.4	339.1	338.4	339.1
150°	280.5	298.3	313.8	326.2	331.9	338.3	342.2	343.6	345.4	344.3	345.4
152.5°	289.9	306.8	320.9	332.5	337.3	343.7	348.1	349.5	350.8	350.0	350.8
155°	302.5	317.4	330.5	341.1	345.4	351.4	355.6	357.4	358.8	357.1	358.8
157.5°	313.8	326.6	338.0	347.8	352.3	357.5	361.4	363.6	365.1	364.3	365.1
160°	320.6	332.3	342.5	351.7	356.0	360.6	364.9	367.3	368.7	367.7	368.7
162.5°	326.2	336.8	346.5	354.9	358.5	362.6	367.7	369.9	371.3	370.0	371.3
165°	334.4	342.9	351.4	358.5	361.7	364.9	370.2	372.6	373.7	372.3	373.7
167.5°	340.6	347.1	353.9	360.0	362.4	365.5	370.8	372.9	374.2	372.4	374.2
170°	344.0	349.6	355.6	360.6	362.4	365.2	370.5	372.3	373.4	371.6	373.4
172.5°	346.8	351.0	355.9	360.3	361.2	363.5	368.5	370.3	371.1	369.6	371.1
175°	349.6	352.1	355.6	358.5	358.1	359.5	363.8	365.2	366.6	364.5	366.6
177.5°	351.0	352.1	353.2	354.9	353.8	353.8	356.9	357.8	358.0	356.9	358.0
180°	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3
2.5°	1867.3	1865.7	1863.8	1866.9	1874.8	1878.6	1869.7	1860.8	1869.7	1878.6	1874.8
5°	1861.2	1858.8	1857.7	1861.8	1871.1	1875.2	1863.5	1851.8	1863.5	1875.2	1871.1
7.5°	1847.8	1845.2	1843.8	1847.6	1856.5	1860.2	1848.5	1836.8	1848.5	1860.2	1856.5
10°	1835.9	1832.9	1830.6	1834.1	1843.5	1847.6	1835.9	1824.2	1835.9	1847.6	1843.5
12.5°	1820.2	1817.8	1816.4	1819.9	1828.4	1831.8	1820.1	1808.4	1820.1	1831.8	1828.4
15°	1792.4	1789.9	1788.2	1791.4	1799.6	1802.8	1791.1	1779.4	1791.1	1802.8	1799.6
17.5°	1757.5	1755.0	1753.0	1755.8	1763.4	1766.4	1755.3	1744.3	1755.3	1766.4	1763.4
20°	1729.0	1727.6	1727.0	1730.5	1738.1	1741.2	1730.6	1720.1	1730.6	1741.2	1738.1
22.5°	1696.6	1696.3	1697.6	1701.8	1709.0	1711.7	1701.1	1690.6	1701.1	1711.7	1709.0
25°	1647.4	1647.7	1649.4	1653.5	1660.0	1662.2	1651.6	1641.1	1651.6	1662.2	1660.0
27.5°	1595.2	1595.3	1596.5	1599.8	1605.2	1607.0	1598.2	1589.5	1598.2	1607.0	1605.2
30°	1556.2	1556.4	1557.5	1561.0	1566.9	1569.1	1560.3	1551.5	1560.3	1569.1	1566.9
32.5°	1515.2	1514.6	1514.8	1518.3	1525.1	1528.1	1519.8	1511.5	1519.8	1528.1	1525.1
35°	1452.2	1451.0	1450.4	1453.3	1459.8	1462.8	1455.8	1448.8	1455.8	1462.8	1459.8
37.5°	1384.9	1384.3	1384.5	1387.5	1393.5	1396.6	1391.2	1385.8	1391.2	1396.6	1393.5
40°	1337.6	1337.3	1337.9	1341.4	1347.8	1351.2	1345.3	1339.5	1345.3	1351.2	1347.8
42.5°	1290.9	1290.2	1289.9	1292.4	1297.9	1301.0	1296.5	1292.1	1296.5	1301.0	1297.9
45°	1216.0	1215.7	1215.7	1218.3	1223.6	1226.5	1222.4	1218.3	1222.4	1226.5	1223.6
47.5°	1137.9	1138.0	1138.7	1141.1	1145.2	1147.4	1144.3	1141.1	1144.3	1147.4	1145.2
50°	1083.2	1083.5	1084.7	1087.3	1091.4	1093.5	1089.4	1085.3	1089.4	1093.5	1091.4
52.5°	1028.3	1029.1	1030.7	1033.6	1037.7	1039.6	1035.1	1030.5	1035.1	1039.6	1037.7
55°	944.6	946.1	948.4	951.4	954.9	956.2	950.9	945.7	950.9	956.2	954.9
57.5°	857.8	859.5	862.3	865.3	868.3	869.3	864.2	859.0	864.2	869.3	868.3
60°	799.8	801.2	803.6	806.5	810.0	811.5	806.8	802.1	806.8	811.5	810.0
62.5°	740.8	742.2	744.6	747.7	751.7	753.5	748.8	744.2	748.8	753.5	751.7
65°	652.1	653.7	656.1	659.0	662.5	664.1	660.0	655.9	660.0	664.1	662.5
67.5°	559.7	562.0	565.4	568.8	572.2	573.9	570.4	566.9	570.4	573.9	572.2
70°	500.5	502.7	505.6	508.5	511.5	512.8	509.3	505.8	509.3	512.8	511.5
72.5°	440.4	442.3	444.7	447.7	451.1	452.8	449.8	446.8	449.8	452.8	451.1
75°	350.2	352.5	355.5	357.8	359.6	360.4	358.7	356.9	358.7	360.4	359.6
77.5°	260.1	261.9	264.1	266.4	268.6	270.3	270.3	270.3	270.3	270.3	268.6
80°	205.2	206.8	208.5	210.3	212.1	213.4	213.4	213.4	213.4	213.4	212.1
82.5°	148.9	150.6	153.3	155.5	157.3	158.8	159.7	160.7	159.7	158.8	157.3
85°	73.6	75.5	77.9	79.9	81.7	83.3	84.4	85.6	84.4	83.3	81.7
87.5°	18.2	19.7	21.6	23.1	24.3	25.3	25.9	26.6	25.9	25.2	24.5
90°	7.4	7.1	7.1	6.7	5.7	4.3	2.5	1.1	2.5	3.9	6.4
92.5°	8.9	8.8	8.2	7.6	6.2	6.2	6.2	3.9	6.7	9.6	13.7
95°	8.1	8.1	9.6	12.0	17.7	18.1	12.0	11.0	15.6	22.0	27.6
97.5°	22.0	26.2	32.2	33.3	31.5	23.5	22.5	21.0	28.6	34.9	44.0
100°	40.7	46.0	50.3	41.8	32.9	32.6	30.5	29.8	37.9	43.9	52.8
102.5°	63.7	65.3	50.6	45.8	43.7	42.2	39.0	38.5	46.7	55.0	62.4
105°	69.1	62.0	62.3	62.3	60.9	58.1	52.1	51.7	60.9	70.5	79.7
107.5°	81.3	82.3	84.2	83.7	82.1	74.5	67.4	65.8	74.1	85.6	95.7
110°	97.4	98.5	99.2	98.5	96.0	86.4	77.9	75.4	82.9	94.9	105.9



TEST NUMBER: P1427698

CATALOG NUMBER: SQ2W-F-K-025U-125D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	113.0	113.8	115.3	113.2	109.0	98.0	88.4	84.8	92.2	104.6	115.8
115°	137.8	137.8	138.1	137.1	128.6	117.2	104.5	99.2	105.6	116.9	129.3
117.5°	162.2	162.6	161.2	158.3	148.5	135.3	121.0	112.5	117.5	129.5	142.3
120°	177.5	178.2	176.8	172.5	162.9	148.1	131.8	121.9	125.7	137.4	150.2
122.5°	193.3	193.2	191.5	186.7	175.4	160.0	144.0	131.8	133.4	144.2	156.7
125°	215.4	215.0	213.6	207.9	196.2	180.3	161.5	146.6	144.5	153.7	166.5
127.5°	236.3	235.6	233.4	226.5	214.5	199.1	178.5	161.7	156.9	162.7	174.4
130°	250.8	249.7	245.8	238.4	226.7	212.2	191.3	172.2	165.4	169.0	179.2
132.5°	264.7	261.6	258.3	250.3	239.5	224.4	203.2	183.2	173.9	175.5	183.5
135°	282.3	279.5	275.2	267.4	257.2	242.3	221.0	199.4	186.7	185.3	189.9
137.5°	297.8	294.9	290.0	283.3	273.0	259.7	239.3	216.5	200.4	195.7	197.4
140°	307.5	303.9	299.7	292.9	283.7	269.9	250.1	228.1	210.1	203.3	202.3
142.5°	315.4	312.7	308.2	302.0	293.9	280.1	260.9	239.2	220.0	211.3	208.8
145°	327.3	325.2	320.2	314.6	307.8	294.0	276.3	254.7	235.6	224.2	218.9
147.5°	337.4	335.7	331.8	325.1	319.4	306.2	290.0	270.9	251.3	237.3	230.4
150°	343.6	342.2	338.3	331.9	326.2	313.8	298.3	280.5	261.8	246.9	238.0
152.5°	349.5	348.1	343.7	337.3	332.5	320.9	306.8	289.9	270.8	256.0	246.8
155°	357.4	355.6	351.4	345.4	341.1	330.5	317.4	302.5	286.2	270.6	260.4
157.5°	363.6	361.4	357.5	352.3	347.8	338.0	326.6	313.8	299.5	284.7	274.2
160°	367.3	364.9	360.6	356.0	351.7	342.5	332.3	320.6	307.5	294.0	282.7
162.5°	369.9	367.7	362.6	358.5	354.9	346.5	336.8	326.2	314.6	302.8	292.3
165°	372.6	370.2	364.9	361.7	358.5	351.4	342.9	334.4	324.5	314.9	306.4
167.5°	372.9	370.8	365.5	362.4	360.0	353.9	347.1	340.6	332.8	325.3	318.2
170°	372.3	370.5	365.2	362.4	360.6	355.6	349.6	344.0	337.9	331.6	325.9
172.5°	370.3	368.5	363.5	361.2	360.3	355.9	351.0	346.8	341.6	336.9	332.4
175°	365.2	363.8	359.5	358.1	358.5	355.6	352.1	349.6	346.4	343.6	341.1
177.5°	357.8	356.9	353.8	353.8	354.9	353.2	352.1	351.0	349.5	348.7	347.8
180°	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7



TEST NUMBER: P1427698

CATALOG NUMBER: SQ2W-F-K-025U-125D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3	1870.3
2.5°	1866.9	1863.8	1865.7	1867.3	1868.3	1869.2	1868.3	1867.3	1865.7	1863.8	1866.9
5°	1861.8	1857.7	1858.8	1861.2	1867.0	1872.9	1867.0	1861.2	1858.8	1857.7	1861.8
7.5°	1847.6	1843.8	1845.2	1847.8	1853.9	1860.0	1853.9	1847.8	1845.2	1843.8	1847.6
10°	1834.1	1830.6	1832.9	1835.9	1840.5	1845.2	1840.5	1835.9	1832.9	1830.6	1834.1
12.5°	1819.9	1816.4	1817.8	1820.2	1825.3	1830.5	1825.3	1820.2	1817.8	1816.4	1819.9
15°	1791.4	1788.2	1789.9	1792.4	1797.1	1801.8	1797.1	1792.4	1789.9	1788.2	1791.4
17.5°	1755.8	1753.0	1755.0	1757.5	1761.6	1765.7	1761.6	1757.5	1755.0	1753.0	1755.8
20°	1730.5	1727.0	1727.6	1729.0	1733.1	1737.2	1733.1	1729.0	1727.6	1727.0	1730.5
22.5°	1701.8	1697.6	1696.3	1696.6	1701.6	1706.7	1701.6	1696.6	1696.3	1697.6	1701.8
25°	1653.5	1649.4	1647.7	1647.4	1651.5	1655.6	1651.5	1647.4	1647.7	1649.4	1653.5
27.5°	1599.8	1596.5	1595.3	1595.2	1598.1	1601.0	1598.1	1595.2	1595.3	1596.5	1599.8
30°	1561.0	1557.5	1556.4	1556.2	1559.1	1562.1	1559.1	1556.2	1556.4	1557.5	1561.0
32.5°	1518.3	1514.8	1514.6	1515.2	1518.6	1522.0	1518.6	1515.2	1514.6	1514.8	1518.3
35°	1453.3	1450.4	1451.0	1452.2	1455.1	1458.0	1455.1	1452.2	1451.0	1450.4	1453.3
37.5°	1387.5	1384.5	1384.3	1384.9	1387.3	1389.8	1387.3	1384.9	1384.3	1384.5	1387.5
40°	1341.4	1337.9	1337.3	1337.6	1340.5	1343.4	1340.5	1337.6	1337.3	1337.9	1341.4
42.5°	1292.4	1289.9	1290.2	1290.9	1292.4	1293.9	1292.4	1290.9	1290.2	1289.9	1292.4
45°	1218.3	1215.7	1215.7	1216.0	1217.1	1218.3	1217.1	1216.0	1215.7	1215.7	1218.3
47.5°	1141.1	1138.7	1138.0	1137.9	1139.8	1141.6	1139.8	1137.9	1138.0	1138.7	1141.1
50°	1087.3	1084.7	1083.5	1083.2	1085.6	1087.9	1085.6	1083.2	1083.5	1084.7	1087.3
52.5°	1033.6	1030.7	1029.1	1028.3	1030.2	1032.1	1030.2	1028.3	1029.1	1030.7	1033.6
55°	951.4	948.4	946.1	944.6	945.8	947.0	945.8	944.6	946.1	948.4	951.4
57.5°	865.3	862.3	859.5	857.8	859.5	861.1	859.5	857.8	859.5	862.3	865.3
60°	806.5	803.6	801.2	799.8	800.9	802.1	800.9	799.8	801.2	803.6	806.5
62.5°	747.7	744.6	742.2	740.8	741.9	743.1	741.9	740.8	742.2	744.6	747.7
65°	659.0	656.1	653.7	652.1	652.7	653.3	652.7	652.1	653.7	656.1	659.0
67.5°	568.8	565.4	562.0	559.7	560.7	561.6	560.7	559.7	562.0	565.4	568.8
70°	508.5	505.6	502.7	500.5	500.5	500.5	500.5	500.5	502.7	505.6	508.5
72.5°	447.7	444.7	442.3	440.4	440.4	440.4	440.4	440.4	442.3	444.7	447.7
75°	357.8	355.5	352.5	350.2	349.6	349.0	349.6	350.2	352.5	355.5	357.8
77.5°	266.4	264.1	261.9	260.1	259.4	258.7	259.4	260.1	261.9	264.1	266.4
80°	210.3	208.5	206.8	205.2	204.0	202.8	204.0	205.2	206.8	208.5	210.3
82.5°	155.5	153.3	150.6	148.9	150.0	151.2	150.0	148.9	150.6	153.3	155.5
85°	79.9	77.9	75.5	73.6	73.0	72.4	73.0	73.6	75.5	77.9	79.9
87.5°	23.4	22.3	20.9	19.6	19.5	18.9	19.5	19.6	20.9	22.3	23.4
90°	8.1	10.6	13.1	14.5	15.9	15.2	15.9	14.5	13.1	10.6	8.1
92.5°	16.4	20.5	23.6	26.1	27.3	27.1	27.3	26.1	23.6	20.5	16.4
95°	32.9	37.9	42.9	46.4	48.5	47.8	48.5	46.4	42.9	37.9	32.9
97.5°	50.8	57.5	63.0	66.3	68.4	69.9	68.4	66.3	63.0	57.5	50.8
100°	62.7	69.1	75.4	79.3	82.9	84.3	82.9	79.3	75.4	69.1	62.7
102.5°	72.3	80.7	87.6	91.8	94.8	96.2	94.8	91.8	87.6	80.7	72.3
105°	88.2	97.1	104.5	109.8	113.0	114.1	113.0	109.8	104.5	97.1	88.2
107.5°	104.1	113.2	120.1	126.0	129.9	132.1	129.9	126.0	120.1	113.2	104.1
110°	116.5	124.0	131.4	136.7	140.6	142.0	140.6	136.7	131.4	124.0	116.5



TEST NUMBER: P1427698

CATALOG NUMBER: SQ2W-F-K-025U-125D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	127.0	135.3	142.8	148.1	152.5	154.5	152.5	148.1	142.8	135.3	127.0
115°	141.7	152.7	159.4	164.4	167.5	169.3	167.5	164.4	159.4	152.7	141.7
117.5°	153.9	165.4	172.7	176.5	178.0	179.3	178.0	176.5	172.7	165.4	153.9
120°	161.5	172.2	180.7	185.6	187.4	188.1	187.4	185.6	180.7	172.2	161.5
122.5°	168.6	178.7	186.9	193.0	195.9	196.6	195.9	193.0	186.9	178.7	168.6
125°	178.5	188.1	196.6	202.6	205.8	207.6	205.8	202.6	196.6	188.1	178.5
127.5°	187.2	197.5	205.3	210.8	213.9	215.3	213.9	210.8	205.3	197.5	187.2
130°	192.0	202.6	210.4	216.4	219.3	220.7	219.3	216.4	210.4	202.6	192.0
132.5°	195.7	206.9	214.9	220.4	223.5	224.9	223.5	220.4	214.9	206.9	195.7
135°	200.1	211.8	220.3	225.6	228.5	229.9	228.5	225.6	220.3	211.8	200.1
137.5°	204.0	214.7	223.5	229.1	231.7	232.6	231.7	229.1	223.5	214.7	204.0
140°	206.9	216.1	224.9	230.2	233.1	233.4	233.1	230.2	224.9	216.1	206.9
142.5°	210.6	217.8	225.5	230.8	233.6	234.3	233.6	230.8	225.5	217.8	210.6
145°	217.1	221.4	226.7	231.7	234.1	234.9	234.1	231.7	226.7	221.4	217.1
147.5°	225.4	226.8	229.5	232.8	235.2	235.7	235.2	232.8	229.5	226.8	225.4
150°	231.7	231.3	232.4	234.5	236.6	236.3	236.6	234.5	232.4	231.3	231.7
152.5°	238.7	236.7	236.6	237.6	238.6	238.5	238.6	237.6	236.6	236.7	238.7
155°	250.8	246.9	244.8	244.1	244.1	243.7	244.1	244.1	244.8	246.9	250.8
157.5°	264.0	258.6	255.4	253.7	253.2	252.4	253.2	253.7	255.4	258.6	264.0
160°	273.1	267.1	263.9	261.1	260.0	258.9	260.0	261.1	263.9	267.1	273.1
162.5°	281.6	275.9	272.4	269.8	268.8	267.2	268.8	269.8	272.4	275.9	281.6
165°	295.4	289.4	285.5	283.4	282.0	280.5	282.0	283.4	285.5	289.4	295.4
167.5°	309.2	302.6	300.1	297.7	296.3	293.8	296.3	297.7	300.1	302.6	309.2
170°	317.7	311.7	310.3	308.2	305.7	302.9	305.7	308.2	310.3	311.7	317.7
172.5°	325.1	321.1	319.7	317.5	316.7	314.5	316.7	317.5	319.7	321.1	325.1
175°	335.8	332.6	332.6	332.3	331.2	329.1	331.2	332.3	332.6	332.6	335.8
177.5°	344.7	343.0	344.2	344.2	343.9	341.9	343.9	344.2	344.2	343.0	344.7
180°	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7



TEST NUMBER: P1427698

CATALOG NUMBER: SQ2W-F-K-025U-125D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1870.3	1870.3	1870.3	1870.3
2.5°	1874.8	1878.6	1869.7	1860.8
5°	1871.1	1875.2	1863.5	1851.8
7.5°	1856.5	1860.2	1848.5	1836.8
10°	1843.5	1847.6	1835.9	1824.2
12.5°	1828.4	1831.8	1820.1	1808.4
15°	1799.6	1802.8	1791.1	1779.4
17.5°	1763.4	1766.4	1755.3	1744.3
20°	1738.1	1741.2	1730.6	1720.1
22.5°	1709.0	1711.7	1701.1	1690.6
25°	1660.0	1662.2	1651.6	1641.1
27.5°	1605.2	1607.0	1598.2	1589.5
30°	1566.9	1569.1	1560.3	1551.5
32.5°	1525.1	1528.1	1519.8	1511.5
35°	1459.8	1462.8	1455.8	1448.8
37.5°	1393.5	1396.6	1391.2	1385.8
40°	1347.8	1351.2	1345.3	1339.5
42.5°	1297.9	1301.0	1296.5	1292.1
45°	1223.6	1226.5	1222.4	1218.3
47.5°	1145.2	1147.4	1144.3	1141.1
50°	1091.4	1093.5	1089.4	1085.3
52.5°	1037.7	1039.6	1035.1	1030.5
55°	954.9	956.2	950.9	945.7
57.5°	868.3	869.3	864.2	859.0
60°	810.0	811.5	806.8	802.1
62.5°	751.7	753.5	748.8	744.2
65°	662.5	664.1	660.0	655.9
67.5°	572.2	573.9	570.4	566.9
70°	511.5	512.8	509.3	505.8
72.5°	451.1	452.8	449.8	446.8
75°	359.6	360.4	358.7	356.9
77.5°	268.6	270.3	270.3	270.3
80°	212.1	213.4	213.4	213.4
82.5°	157.3	158.8	159.7	160.7
85°	81.7	83.3	84.4	85.6
87.5°	24.5	25.2	25.9	26.6
90°	6.4	3.9	2.5	1.1
92.5°	13.7	9.6	6.7	3.9
95°	27.6	22.0	15.6	11.0
97.5°	44.0	34.9	28.6	21.0
100°	52.8	43.9	37.9	29.8
102.5°	62.4	55.0	46.7	38.5
105°	79.7	70.5	60.9	51.7
107.5°	95.7	85.6	74.1	65.8
110°	105.9	94.9	82.9	75.4



TEST NUMBER: P1427698

CATALOG NUMBER: SQ2W-F-K-025U-125D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	115.8	104.6	92.2	84.8
115°	129.3	116.9	105.6	99.2
117.5°	142.3	129.5	117.5	112.5
120°	150.2	137.4	125.7	121.9
122.5°	156.7	144.2	133.4	131.8
125°	166.5	153.7	144.5	146.6
127.5°	174.4	162.7	156.9	161.7
130°	179.2	169.0	165.4	172.2
132.5°	183.5	175.5	173.9	183.2
135°	189.9	185.3	186.7	199.4
137.5°	197.4	195.7	200.4	216.5
140°	202.3	203.3	210.1	228.1
142.5°	208.8	211.3	220.0	239.2
145°	218.9	224.2	235.6	254.7
147.5°	230.4	237.3	251.3	270.9
150°	238.0	246.9	261.8	280.5
152.5°	246.8	256.0	270.8	289.9
155°	260.4	270.6	286.2	302.5
157.5°	274.2	284.7	299.5	313.8
160°	282.7	294.0	307.5	320.6
162.5°	292.3	302.8	314.6	326.2
165°	306.4	314.9	324.5	334.4
167.5°	318.2	325.3	332.8	340.6
170°	325.9	331.6	337.9	344.0
172.5°	332.4	336.9	341.6	346.8
175°	341.1	343.6	346.4	349.6
177.5°	347.8	348.7	349.5	351.0
180°	350.7	350.7	350.7	350.7



TEST NUMBER: P1427698  
 CATALOG NUMBER: SQ2W-F-K-025U-125D-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	22.37	23.67	22.97	24.28	24.97	22.28	23.58	22.88	24.19	24.88
	3H	24.19	25.36	24.80	25.98	26.71	24.09	25.26	24.70	25.88	26.61
	4H	24.90	26.01	25.54	26.64	27.38	24.79	25.89	25.42	26.53	27.27
	6H	25.36	26.39	26.01	27.03	27.79	25.22	26.25	25.87	26.89	27.64
	8H	25.54	26.51	26.19	27.18	27.94	25.38	26.36	26.04	27.02	27.78
	12H	25.63	26.57	26.30	27.23	28.01	25.46	26.39	26.12	27.05	27.84
4H	2H	23.00	24.10	23.63	24.74	25.48	22.93	24.04	23.57	24.67	25.41
	3H	25.06	25.98	25.71	26.66	27.42	24.97	25.89	25.61	26.56	27.32
	4H	25.89	26.73	26.56	27.41	28.20	25.78	26.62	26.45	27.30	28.09
	6H	26.47	27.20	27.15	27.90	28.70	26.33	27.06	27.01	27.76	28.56
	8H	26.69	27.38	27.38	28.08	28.89	26.53	27.22	27.22	27.92	28.73
	12H	26.83	27.44	27.54	28.17	28.99	26.64	27.26	27.35	27.98	28.80
8H	4H	26.17	26.85	26.86	27.56	28.37	26.07	26.76	26.76	27.46	28.27
	6H	26.88	27.45	27.60	28.19	29.01	26.75	27.32	27.47	28.06	28.88
	8H	27.19	27.70	27.92	28.44	29.27	27.03	27.54	27.77	28.29	29.12
	12H	27.39	27.84	28.13	28.57	29.47	27.20	27.65	27.94	28.38	29.28
12H	4H	26.19	26.80	26.90	27.53	28.35	26.09	26.71	26.80	27.43	28.25
	6H	26.93	27.44	27.67	28.19	29.02	26.81	27.32	27.54	28.06	28.89
	8H	27.29	27.74	28.03	28.47	29.36	27.14	27.59	27.87	28.32	29.21