

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using  
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1435784

Luminaire Tested: SQ2W-FA-K-050U-125D-L930-UNV-STD-W-WM-4

Issue Date: 3/24/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1435784  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2502-345-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/24/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-FA-K-050U-125D-L930-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - FROSTED CONTINUOUS ASYMMETRIC ROLL LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 1250 LUMENS PER FOOT  
UPLIGHT 500 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

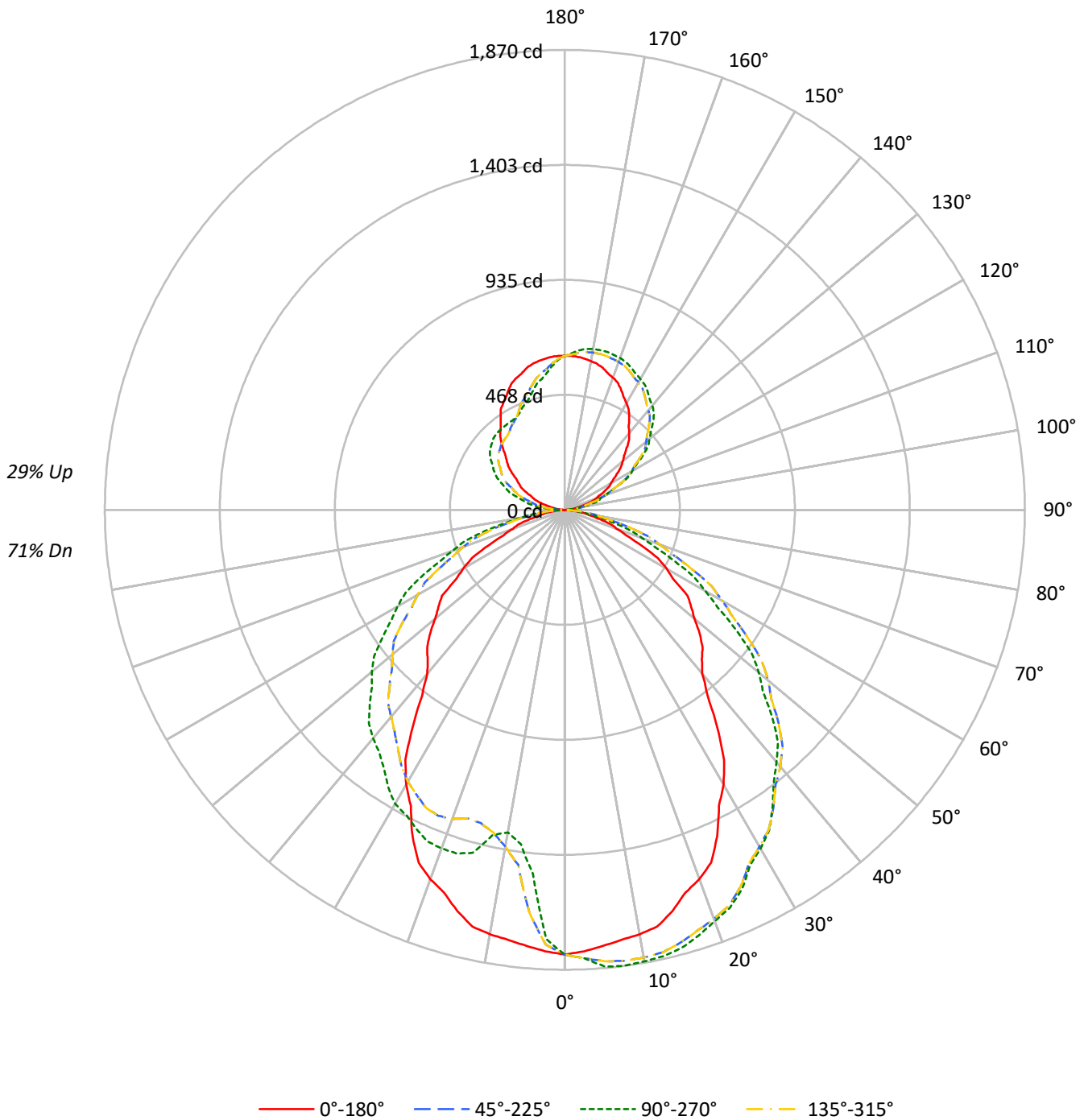
Lumens per Lamp: N/A  
Luminaire Lumens: 6320.9 lumens  
Efficiency: N/A  
Efficacy: 98.6 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 64.1  
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-FA-K-050U-125D-L930-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	0
RCR																		
0	112	112	112	112	106	106	106	106	95	95	95	85	85	85	75	75	75	71
1	103	98	94	91	97	93	90	87	84	81	79	75	73	71	67	66	64	60
2	94	86	80	74	88	82	76	71	74	69	65	66	63	60	59	56	54	51
3	85	76	68	62	81	72	65	60	65	59	55	58	54	50	52	49	46	43
4	78	67	59	53	74	64	56	51	58	52	47	52	47	43	47	43	40	37
5	72	60	51	45	68	57	49	44	52	45	41	47	42	38	42	38	35	32
6	66	54	45	39	63	51	44	38	47	40	35	42	37	33	38	34	31	28
7	61	49	40	35	58	47	39	34	42	36	31	39	33	29	35	31	27	25
8	57	44	36	31	54	42	35	30	39	32	28	35	30	26	32	28	24	22
9	53	41	33	28	50	39	32	27	36	29	25	33	27	24	30	25	22	20
10	50	37	30	25	47	36	29	24	33	27	23	30	25	21	27	23	20	18

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

	0°	90°	180°	270°
0°	29193	29193	29193	29193
5°	28850	30214	28850	24079
10°	28723	30563	28723	21829
15°	28232	30808	28232	24132
20°	27453	30585	27453	25166
25°	26093	30338	26093	25470
30°	24041	29658	24041	25739
35°	21271	29007	21271	25278
40°	18315	28211	18315	25553
45°	18082	27204	18082	25603
50°	17251	25877	17251	25701
55°	17162	23870	17162	25447
60°	15390	21273	15390	25345
65°	13119	18743	13119	24630
70°	10588	15880	10588	22829
75°	9183	13113	9183	20985
80°	7819	9772	7819	16941
85°	5187	5187	5187	10392

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 40°  
 Vertical Angle: 45°  
 Luminance: 28058 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	162.7	2.6
10°-20°	454.6	7.2
20°-30°	690.3	10.9
30°-40°	810.5	12.8
40°-50°	822.5	13.0
50°-60°	720.4	11.4
60°-70°	511.0	8.1
70°-80°	263.1	4.2
80°-90°	57.8	0.9
90°-100°	49.8	0.8
100°-110°	145.3	2.3
110°-120°	237.1	3.8
120°-130°	300.9	4.8
130°-140°	322.0	5.1
140°-150°	300.7	4.8
150°-160°	247.4	3.9
160°-170°	165.9	2.6
170°-180°	58.9	0.9
0°-30°	1307.6	20.7
0°-40°	2118.1	33.5
0°-60°	3661.0	57.9
0°-90°	4492.8	71.1
90°-120°	432.3	6.8
90°-150°	1355.8	21.4
90°-180°	1828.0	28.9
0°-180°	6320.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1808	1808	1808	1808	1808	
5°	1780	1864	1780	1486	1780	169
15°	1689	1843	1689	1444	1689	474
25°	1465	1703	1465	1430	1465	669
35°	1079	1472	1079	1282	1079	672
45°	792	1191	792	1121	792	605
55°	610	848	610	904	610	527
65°	343	491	343	645	343	343
75°	147	210	147	336	147	159
85°	28	28	28	56	28	35
90°	2	14	2	27	2	2
95°	20	14	20	85	20	24
105°	92	148	92	204	92	98
115°	177	245	177	302	177	175
125°	262	389	262	371	262	234
135°	356	509	356	410	356	275
145°	455	587	455	419	455	285
155°	540	638	540	435	540	248
165°	597	665	597	501	597	168
175°	624	651	624	588	624	59
180°	626	626	626	626	626	

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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1808.1	1808.1	1808.1	1808.1	1808.1	1808.1	1808.1	1808.1	1808.1	1808.1	1808.1
2.5°	1796.9	1809.3	1821.8	1824.9	1824.9	1824.9	1824.9	1824.9	1824.9	1824.9	1824.9
5°	1780.1	1801.9	1823.7	1833.8	1840.0	1844.7	1847.8	1851.7	1857.9	1864.2	1857.9
7.5°	1763.2	1792.5	1821.8	1836.1	1845.5	1852.9	1858.5	1863.5	1866.6	1869.8	1866.6
10°	1752.0	1786.3	1820.5	1836.1	1845.5	1851.7	1854.8	1857.9	1861.0	1864.2	1861.0
12.5°	1735.2	1772.0	1808.7	1826.8	1838.6	1846.1	1849.2	1852.3	1855.4	1858.5	1855.4
15°	1689.0	1738.8	1788.6	1808.1	1817.4	1825.2	1831.5	1836.9	1840.0	1843.1	1840.0
17.5°	1631.5	1691.9	1752.3	1776.8	1789.2	1798.3	1803.9	1808.7	1811.2	1813.7	1811.2
20°	1597.8	1663.3	1728.7	1754.4	1766.8	1774.6	1777.7	1780.1	1780.1	1780.1	1780.1
22.5°	1553.0	1625.9	1698.8	1726.3	1738.8	1745.3	1746.0	1747.0	1749.5	1752.0	1749.5
25°	1464.7	1548.8	1632.9	1667.9	1686.6	1694.4	1691.3	1690.5	1696.7	1703.0	1696.7
27.5°	1356.8	1462.7	1568.6	1604.4	1616.8	1624.6	1627.7	1630.1	1630.1	1630.1	1630.1
30°	1289.5	1407.8	1526.2	1565.1	1577.6	1585.4	1588.5	1590.8	1590.8	1590.8	1590.8
32.5°	1205.4	1346.2	1487.0	1529.6	1539.6	1544.9	1545.5	1546.0	1546.0	1546.0	1546.0
35°	1079.2	1250.6	1421.9	1469.4	1475.6	1478.7	1478.7	1477.9	1474.8	1471.7	1474.8
37.5°	953.1	1147.5	1341.8	1397.4	1406.8	1409.3	1404.9	1400.8	1397.7	1394.6	1397.7
40°	869.0	1080.8	1292.6	1352.6	1361.9	1361.9	1352.6	1344.8	1341.7	1338.5	1341.7
42.5°	824.2	1033.5	1242.8	1302.1	1311.4	1310.2	1298.4	1288.7	1285.6	1282.5	1285.6
45°	791.9	978.8	1165.7	1219.4	1228.8	1227.2	1214.7	1203.8	1197.6	1191.4	1197.6
47.5°	742.9	907.3	1071.8	1124.6	1140.1	1138.6	1119.9	1104.3	1098.1	1091.9	1098.1
50°	686.8	848.8	1010.7	1062.9	1078.5	1076.9	1058.2	1042.6	1036.4	1030.2	1036.4
52.5°	647.5	799.5	951.5	999.4	1012.4	1008.4	987.2	969.8	963.5	957.3	963.5
55°	609.7	737.4	865.1	904.0	913.4	907.2	885.4	866.7	857.3	848.0	857.3
57.5°	521.4	642.9	764.4	802.2	812.2	804.7	779.8	758.4	747.8	737.3	747.8
60°	476.6	585.6	694.6	731.2	743.6	737.4	712.5	689.9	674.3	658.8	674.3
62.5°	426.1	522.6	619.2	656.4	673.9	670.1	645.2	622.6	607.1	591.5	607.1
65°	343.4	427.5	511.6	549.0	570.8	569.2	544.3	521.7	506.1	490.6	506.1
67.5°	269.1	341.4	413.6	450.4	475.3	474.1	446.6	423.0	410.5	398.1	410.5
70°	224.3	286.6	348.8	383.1	408.0	408.0	383.1	361.3	348.8	336.4	348.8
72.5°	196.2	243.6	290.9	323.3	350.7	350.7	323.3	300.3	290.3	280.3	290.3
75°	147.2	175.2	203.2	233.6	264.8	267.9	242.9	222.7	216.5	210.2	216.5
77.5°	106.5	119.6	132.7	156.5	183.9	187.0	165.9	149.4	146.9	144.4	146.9
80°	84.1	87.2	90.3	109.8	134.7	137.8	119.1	105.1	105.1	105.1	105.1
82.5°	56.1	59.2	62.3	76.2	93.6	95.5	81.8	70.9	68.4	65.9	68.4
85°	28.0	28.0	28.0	32.7	38.9	38.9	32.7	28.0	28.0	28.0	28.0
87.5°	6.0	6.5	7.1	9.5	12.4	12.5	10.0	8.3	8.4	8.4	8.4
90°	1.9	4.4	7.6	10.1	12.0	12.6	12.6	13.3	13.9	13.9	13.9
92.5°	7.0	11.0	11.1	11.1	13.5	14.7	15.7	15.8	16.4	16.4	16.4
95°	19.6	21.5	32.3	31.6	21.5	17.1	14.5	14.5	14.5	14.5	14.5
97.5°	37.4	40.2	42.0	56.3	59.4	57.4	46.8	39.3	35.2	33.3	35.2
100°	53.1	54.4	58.2	58.8	74.6	89.8	82.2	72.7	69.6	67.7	69.6
102.5°	68.8	69.6	75.4	78.0	81.7	90.3	116.6	113.7	111.6	111.2	111.6
105°	92.3	93.0	103.7	108.8	111.3	111.3	110.7	123.3	143.6	148.0	143.6
107.5°	117.5	120.4	133.1	146.6	149.5	150.3	147.0	145.1	144.3	144.8	144.3
110°	134.7	139.1	154.3	171.4	175.8	177.1	175.8	173.9	172.6	172.6	172.6



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CATALOG NUMBER: SQ2W-FA-K-050U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	151.4	157.8	175.0	194.7	202.1	205.9	203.1	201.7	200.5	201.5	200.5
115°	177.1	186.6	209.3	229.6	244.7	246.6	246.0	246.0	245.4	245.4	245.4
117.5°	200.9	216.0	241.6	265.1	282.7	287.7	290.3	289.5	288.8	290.0	288.8
120°	217.5	235.3	264.3	290.9	308.0	315.6	318.1	316.8	318.1	316.8	318.1
122.5°	235.3	257.0	285.6	313.2	333.3	341.9	344.9	345.2	345.4	344.7	345.4
125°	261.8	288.4	321.9	350.4	371.2	381.3	383.9	384.5	385.8	388.9	385.8
127.5°	288.6	318.7	355.5	383.0	404.4	416.6	420.5	421.9	424.6	426.0	424.6
130°	307.3	341.5	378.8	404.7	425.6	438.9	445.8	447.7	450.9	450.3	450.9
132.5°	327.1	362.7	400.6	427.5	446.9	461.2	467.1	472.5	473.7	474.6	473.7
135°	356.0	394.6	432.6	459.1	477.5	491.4	499.0	504.0	507.2	509.1	507.2
137.5°	386.5	427.3	463.7	487.3	505.8	517.8	526.4	531.7	535.0	536.5	535.0
140°	407.3	446.5	481.9	506.6	523.0	535.0	542.6	548.9	552.7	552.7	552.7
142.5°	427.0	465.7	500.1	524.8	539.2	550.2	558.3	563.1	567.4	567.4	567.4
145°	454.7	493.3	524.9	549.6	561.6	571.7	580.5	584.3	586.9	586.9	586.9
147.5°	483.7	517.8	546.7	570.3	580.4	592.3	599.3	602.3	605.5	604.1	605.5
150°	500.9	532.5	560.3	582.4	592.6	603.9	610.9	613.4	616.6	614.7	616.6
152.5°	517.6	547.7	573.0	593.6	602.2	613.6	621.5	624.1	626.2	624.8	626.2
155°	540.1	566.6	590.0	609.0	616.6	627.3	634.9	638.1	640.6	637.5	640.6
157.5°	560.2	583.1	603.4	620.9	629.0	638.2	645.3	649.2	651.8	650.4	651.8
160°	572.3	593.2	611.5	628.0	635.6	643.8	651.4	655.8	658.3	656.4	658.3
162.5°	582.4	601.3	618.6	633.5	640.1	647.3	656.4	660.4	662.9	660.5	662.9
165°	597.0	612.2	627.3	640.0	645.7	651.4	660.9	665.3	667.2	664.7	667.2
167.5°	608.0	619.6	631.9	642.8	647.0	652.5	662.0	665.7	668.1	664.9	668.1
170°	614.1	624.2	634.9	643.8	647.0	652.0	661.5	664.7	666.6	663.4	666.6
172.5°	619.1	626.7	635.4	643.3	644.9	649.0	658.0	661.1	662.5	659.9	662.5
175°	624.2	628.6	634.9	640.0	639.4	641.9	649.5	652.0	654.5	650.7	654.5
177.5°	626.6	628.6	630.6	633.7	631.6	631.6	637.2	638.7	639.2	637.2	639.2
180°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1

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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1808.1	1808.1	1808.1	1808.1	1808.1	1808.1	1808.1	1808.1	1808.1	1808.1	1808.1
2.5°	1824.9	1824.9	1824.9	1824.9	1824.9	1821.8	1809.3	1796.9	1796.9	1796.9	1787.5
5°	1851.7	1847.8	1844.7	1840.0	1833.8	1823.7	1801.9	1780.1	1770.7	1761.4	1721.7
7.5°	1863.5	1858.5	1852.9	1845.5	1836.1	1821.8	1792.5	1763.2	1721.5	1679.8	1591.3
10°	1857.9	1854.8	1851.7	1845.5	1836.1	1820.5	1786.3	1752.0	1667.9	1583.8	1499.7
12.5°	1852.3	1849.2	1846.1	1838.6	1826.8	1808.7	1772.0	1735.2	1616.2	1497.2	1421.2
15°	1836.9	1831.5	1825.2	1817.4	1808.1	1788.6	1738.8	1689.0	1555.0	1421.1	1357.2
17.5°	1808.7	1803.9	1798.3	1789.2	1776.8	1752.3	1691.9	1631.5	1491.3	1351.2	1310.0
20°	1780.1	1777.7	1774.6	1766.8	1754.4	1728.7	1663.3	1597.8	1457.7	1317.5	1298.8
22.5°	1747.0	1746.0	1745.3	1738.8	1726.3	1698.8	1625.9	1553.0	1415.3	1277.7	1278.3
25°	1690.5	1691.3	1694.4	1686.6	1667.9	1632.9	1548.8	1464.7	1343.2	1221.7	1242.8
27.5°	1630.1	1627.7	1624.6	1616.8	1604.4	1568.6	1462.7	1356.8	1260.8	1164.9	1199.8
30°	1590.8	1588.5	1585.4	1577.6	1565.1	1526.2	1407.8	1289.5	1208.5	1127.5	1168.0
32.5°	1546.0	1545.5	1544.9	1539.6	1529.6	1487.0	1346.2	1205.4	1146.8	1088.3	1130.6
35°	1477.9	1478.7	1478.7	1475.6	1469.4	1421.9	1250.6	1079.2	1054.3	1029.4	1079.2
37.5°	1400.8	1404.9	1409.3	1406.8	1397.4	1341.8	1147.5	953.1	961.2	969.3	1029.7
40°	1344.8	1352.6	1361.9	1361.9	1352.6	1292.6	1080.8	869.0	897.0	925.1	990.5
42.5°	1288.7	1298.4	1310.2	1311.4	1302.1	1242.8	1033.5	824.2	854.7	885.2	953.1
45°	1203.8	1214.7	1227.2	1228.8	1219.4	1165.7	978.8	791.9	810.6	829.3	894.7
47.5°	1104.3	1119.9	1138.6	1140.1	1124.6	1071.8	907.3	742.9	756.6	770.3	837.2
50°	1042.6	1058.2	1076.9	1078.5	1062.9	1010.7	848.8	686.8	705.5	724.2	794.3
52.5°	969.8	987.2	1008.4	1012.4	999.4	951.5	799.5	647.5	658.8	670.0	745.7
55°	866.7	885.4	907.2	913.4	904.0	865.1	737.4	609.7	600.4	591.0	668.1
57.5°	758.4	779.8	804.7	812.2	802.2	764.4	642.9	521.4	513.3	505.2	588.7
60°	689.9	712.5	737.4	743.6	731.2	694.6	585.6	476.6	461.0	445.4	532.6
62.5°	622.6	645.2	670.1	673.9	656.4	619.2	522.6	426.1	415.5	404.9	489.6
65°	521.7	544.3	569.2	570.8	549.0	511.6	427.5	343.4	349.6	355.9	432.2
67.5°	423.0	446.6	474.1	475.3	450.4	413.6	341.4	269.1	289.7	310.2	378.9
70°	361.3	383.1	408.0	408.0	383.1	348.8	286.6	224.3	252.3	280.3	343.4
72.5°	300.3	323.3	350.7	350.7	323.3	290.9	243.6	196.2	224.3	252.3	304.2
75°	222.7	242.9	267.9	264.8	233.6	203.2	175.2	147.2	175.2	203.2	242.9
77.5°	149.4	165.9	187.0	183.9	156.5	132.7	119.6	106.5	129.6	152.6	180.3
80°	105.1	119.1	137.8	134.7	109.8	90.3	87.2	84.1	99.7	115.2	135.5
82.5°	70.9	81.8	95.5	93.6	76.2	62.3	59.2	56.1	69.1	82.2	96.2
85°	28.0	32.7	38.9	38.9	32.7	28.0	28.0	28.0	34.3	40.5	46.7
87.5°	8.3	10.0	12.5	12.4	9.5	7.1	6.5	6.0	9.0	12.0	13.5
90°	13.3	12.6	12.6	12.0	10.1	7.6	4.4	1.9	4.4	7.0	11.4
92.5°	15.8	15.7	14.7	13.5	11.1	11.1	11.0	7.0	12.0	17.1	24.5
95°	14.5	14.5	17.1	21.5	31.6	32.3	21.5	19.6	27.8	39.2	49.3
97.5°	39.3	46.8	57.4	59.4	56.3	42.0	40.2	37.4	51.0	62.2	78.5
100°	72.7	82.2	89.8	74.6	58.8	58.2	54.4	53.1	67.7	78.4	94.2
102.5°	113.7	116.6	90.3	81.7	78.0	75.4	69.6	68.8	83.4	98.1	111.4
105°	123.3	110.7	111.3	111.3	108.8	103.7	93.0	92.3	108.8	125.8	142.3
107.5°	145.1	147.0	150.3	149.5	146.6	133.1	120.4	117.5	132.3	152.8	170.9
110°	173.9	175.8	177.1	175.8	171.4	154.3	139.1	134.7	148.0	169.5	189.1



TEST NUMBER: P1435784

CATALOG NUMBER: SQ2W-FA-K-050U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	201.7	203.1	205.9	202.1	194.7	175.0	157.8	151.4	164.7	186.7	206.8
115°	246.0	246.0	246.6	244.7	229.6	209.3	186.6	177.1	188.5	208.7	230.8
117.5°	289.5	290.3	287.7	282.7	265.1	241.6	216.0	200.9	209.8	231.2	254.0
120°	316.8	318.1	315.6	308.0	290.9	264.3	235.3	217.5	224.5	245.4	268.1
122.5°	345.2	344.9	341.9	333.3	313.2	285.6	257.0	235.3	238.2	257.5	279.8
125°	384.5	383.9	381.3	371.2	350.4	321.9	288.4	261.8	258.0	274.5	297.2
127.5°	421.9	420.5	416.6	404.4	383.0	355.5	318.7	288.6	280.2	290.5	311.4
130°	447.7	445.8	438.9	425.6	404.7	378.8	341.5	307.3	295.3	301.7	320.0
132.5°	472.5	467.1	461.2	446.9	427.5	400.6	362.7	327.1	310.5	313.3	327.6
135°	504.0	499.0	491.4	477.5	459.1	432.6	394.6	356.0	333.3	330.7	339.0
137.5°	531.7	526.4	517.8	505.8	487.3	463.7	427.3	386.5	357.8	349.3	352.5
140°	548.9	542.6	535.0	523.0	506.6	481.9	446.5	407.3	375.0	363.0	361.1
142.5°	563.1	558.3	550.2	539.2	524.8	500.1	465.7	427.0	392.7	377.2	372.7
145°	584.3	580.5	571.7	561.6	549.6	524.9	493.3	454.7	420.5	400.3	390.8
147.5°	602.3	599.3	592.3	580.4	570.3	546.7	517.8	483.7	448.6	423.6	411.3
150°	613.4	610.9	603.9	592.6	582.4	560.3	532.5	500.9	467.3	440.8	425.0
152.5°	624.1	621.5	613.6	602.2	593.6	573.0	547.7	517.6	483.5	457.0	440.7
155°	638.1	634.9	627.3	616.6	609.0	590.0	566.6	540.1	511.0	483.2	464.8
157.5°	649.2	645.3	638.2	629.0	620.9	603.4	583.1	560.2	534.8	508.2	489.5
160°	655.8	651.4	643.8	635.6	628.0	611.5	593.2	572.3	548.9	524.9	504.7
162.5°	660.4	656.4	647.3	640.1	633.5	618.6	601.3	582.4	561.6	540.6	521.9
165°	665.3	660.9	651.4	645.7	640.0	627.3	612.2	597.0	579.3	562.2	547.0
167.5°	665.7	662.0	652.5	647.0	642.8	631.9	619.6	608.0	594.2	580.8	568.2
170°	664.7	661.5	652.0	647.0	643.8	634.9	624.2	614.1	603.3	591.9	581.8
172.5°	661.1	658.0	649.0	644.9	643.3	635.4	626.7	619.1	609.9	601.5	593.4
175°	652.0	649.5	641.9	639.4	640.0	634.9	628.6	624.2	618.5	613.4	609.0
177.5°	638.7	637.2	631.6	631.6	633.7	630.6	628.6	626.6	624.1	622.5	621.0
180°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1



TEST NUMBER: P1435784

CATALOG NUMBER: SQ2W-FA-K-050U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1808.1	1808.1	1808.1	1808.1	1808.1	1808.1	1808.1	1808.1	1808.1	1808.1	1808.1
2.5°	1775.1	1765.1	1757.6	1751.4	1748.9	1746.4	1748.9	1751.4	1757.6	1765.1	1775.1
5°	1671.8	1618.9	1562.8	1516.9	1501.3	1485.7	1501.3	1516.9	1562.8	1618.9	1671.8
7.5°	1487.3	1423.4	1399.8	1380.8	1375.8	1370.8	1375.8	1380.8	1399.8	1423.4	1487.3
10°	1415.6	1364.2	1345.6	1331.5	1331.5	1331.5	1331.5	1331.5	1345.6	1364.2	1415.6
12.5°	1359.6	1328.1	1326.9	1329.0	1341.5	1354.0	1341.5	1329.0	1326.9	1328.1	1359.6
15°	1316.7	1321.4	1371.3	1412.5	1428.1	1443.7	1428.1	1412.5	1371.3	1321.4	1316.7
17.5°	1301.9	1328.7	1390.4	1439.8	1452.2	1464.7	1452.2	1439.8	1390.4	1328.7	1301.9
20°	1320.6	1354.9	1401.6	1439.8	1452.2	1464.7	1452.2	1439.8	1401.6	1354.9	1320.6
22.5°	1325.0	1366.7	1403.5	1434.2	1446.6	1459.1	1446.6	1434.2	1403.5	1366.7	1325.0
25°	1311.3	1361.1	1392.3	1417.2	1423.4	1429.7	1423.4	1417.2	1392.3	1361.1	1311.3
27.5°	1278.3	1333.1	1364.2	1388.7	1393.1	1397.4	1393.1	1388.7	1364.2	1333.1	1278.3
30°	1249.0	1305.1	1336.2	1361.9	1371.3	1380.6	1371.3	1361.9	1336.2	1305.1	1249.0
32.5°	1206.6	1263.9	1302.6	1332.0	1333.9	1335.7	1333.9	1332.0	1302.6	1263.9	1206.6
35°	1154.0	1213.2	1256.8	1288.7	1285.6	1282.5	1285.6	1288.7	1256.8	1213.2	1154.0
37.5°	1107.6	1165.5	1203.5	1233.0	1236.7	1240.4	1236.7	1233.0	1203.5	1165.5	1107.6
40°	1068.3	1127.5	1168.0	1199.9	1206.2	1212.4	1206.2	1199.9	1168.0	1127.5	1068.3
42.5°	1033.5	1093.9	1134.4	1166.3	1172.5	1178.8	1172.5	1166.3	1134.4	1093.9	1033.5
45°	975.7	1038.0	1081.6	1115.1	1118.2	1121.3	1118.2	1115.1	1081.6	1038.0	975.7
47.5°	922.0	984.6	1025.1	1056.2	1059.3	1062.4	1059.3	1056.2	1025.1	984.6	922.0
50°	881.5	945.3	985.8	1017.0	1020.1	1023.2	1020.1	1017.0	985.8	945.3	881.5
52.5°	842.8	909.2	944.7	972.1	975.2	978.3	975.2	972.1	944.7	909.2	842.8
55°	774.0	844.1	878.3	904.0	904.0	904.0	904.0	904.0	878.3	844.1	774.0
57.5°	702.7	774.6	804.5	827.9	831.6	835.4	831.6	827.9	804.5	774.6	702.7
60°	654.1	727.3	752.2	772.4	778.7	784.9	778.7	772.4	752.2	727.3	654.1
62.5°	606.1	676.8	701.7	721.4	725.1	728.8	725.1	721.4	701.7	676.8	606.1
65°	531.8	594.1	619.0	638.5	641.6	644.7	641.6	638.5	619.0	594.1	531.8
67.5°	463.6	514.7	532.1	545.9	548.3	550.8	548.3	545.9	532.1	514.7	463.6
70°	418.1	461.8	474.2	483.6	483.6	483.6	483.6	483.6	474.2	461.8	418.1
72.5°	364.0	400.1	412.5	422.5	425.0	427.5	425.0	422.5	412.5	400.1	364.0
75°	286.6	313.0	322.4	330.2	333.3	336.4	333.3	330.2	322.4	313.0	286.6
77.5°	209.6	227.1	232.7	237.7	240.8	243.9	240.8	237.7	232.7	227.1	209.6
80°	157.3	169.8	172.9	176.0	179.1	182.2	179.1	176.0	172.9	169.8	157.3
82.5°	110.6	119.3	122.4	124.9	125.5	126.1	125.5	124.9	122.4	119.3	110.6
85°	53.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	53.0
87.5°	14.1	15.0	15.9	16.4	16.9	16.7	16.9	16.4	15.9	15.0	14.1
90°	14.5	19.0	23.4	25.9	28.5	27.2	28.5	25.9	23.4	19.0	14.5
92.5°	29.2	36.7	42.1	46.7	48.7	48.4	48.7	46.7	42.1	36.7	29.2
95°	58.8	67.7	76.5	82.8	86.6	85.4	86.6	82.8	76.5	67.7	58.8
97.5°	90.7	102.6	112.4	118.4	122.2	124.7	122.2	118.4	112.4	102.6	90.7
100°	111.9	123.3	134.7	141.7	148.0	150.5	148.0	141.7	134.7	123.3	111.9
102.5°	129.1	144.1	156.5	163.9	169.2	171.8	169.2	163.9	156.5	144.1	129.1
105°	157.5	173.3	186.6	196.0	201.7	203.6	201.7	196.0	186.6	173.3	157.5
107.5°	185.8	202.1	214.4	224.9	231.8	235.9	231.8	224.9	214.4	202.1	185.8
110°	208.1	221.3	234.6	244.1	251.1	253.6	251.1	244.1	234.6	221.3	208.1



TEST NUMBER: P1435784

CATALOG NUMBER: SQ2W-FA-K-050U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	226.8	241.6	254.9	264.3	272.3	275.9	272.3	264.3	254.9	241.6	226.8
115°	253.0	272.6	284.6	293.4	299.1	302.3	299.1	293.4	284.6	272.6	253.0
117.5°	274.7	295.2	308.4	315.2	317.8	320.1	317.8	315.2	308.4	295.2	274.7
120°	288.4	307.3	322.5	331.4	334.5	335.8	334.5	331.4	322.5	307.3	288.4
122.5°	301.0	319.0	333.7	344.5	349.7	351.0	349.7	344.5	333.7	319.0	301.0
125°	318.7	335.8	351.0	361.7	367.4	370.6	367.4	361.7	351.0	335.8	318.7
127.5°	334.2	352.6	366.5	376.3	381.8	384.4	381.8	376.3	366.5	352.6	334.2
130°	342.8	361.7	375.6	386.4	391.5	394.0	391.5	386.4	375.6	361.7	342.8
132.5°	349.3	369.3	383.7	393.5	399.0	401.6	399.0	393.5	383.7	369.3	349.3
135°	357.3	378.2	393.4	402.8	407.9	410.4	407.9	402.8	393.4	378.2	357.3
137.5°	364.3	383.2	399.0	409.0	413.6	415.2	413.6	409.0	399.0	383.2	364.3
140°	369.3	385.8	401.6	411.1	416.1	416.8	416.1	411.1	401.6	385.8	369.3
142.5°	375.9	388.8	402.6	412.1	417.1	418.3	417.1	412.1	402.6	388.8	375.9
145°	387.7	395.3	404.7	413.6	418.0	419.3	418.0	413.6	404.7	395.3	387.7
147.5°	402.5	404.9	409.8	415.6	419.9	420.8	419.9	415.6	409.8	404.9	402.5
150°	413.6	413.0	414.9	418.7	422.4	421.8	422.4	418.7	414.9	413.0	413.6
152.5°	426.2	422.6	422.4	424.2	426.0	425.9	426.0	424.2	422.4	422.6	426.2
155°	447.7	440.8	437.0	435.7	435.7	435.1	435.7	435.7	437.0	440.8	447.7
157.5°	471.4	461.7	456.0	452.9	452.0	450.7	452.0	452.9	456.0	461.7	471.4
160°	487.6	476.8	471.1	466.1	464.2	462.3	464.2	466.1	471.1	476.8	487.6
162.5°	502.8	492.5	486.3	481.8	479.9	477.0	479.9	481.8	486.3	492.5	502.8
165°	527.4	516.7	509.7	505.9	503.4	500.9	503.4	505.9	509.7	516.7	527.4
167.5°	552.1	540.3	535.8	531.5	529.1	524.5	529.1	531.5	535.8	540.3	552.1
170°	567.3	556.5	554.0	550.2	545.8	540.7	545.8	550.2	554.0	556.5	567.3
172.5°	580.4	573.2	570.7	566.9	565.5	561.4	565.5	566.9	570.7	573.2	580.4
175°	599.5	593.8	593.8	593.2	591.3	587.5	591.3	593.2	593.8	593.8	599.5
177.5°	615.5	612.4	614.4	614.4	613.9	610.4	613.9	614.4	614.4	612.4	615.5
180°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1



TEST NUMBER: P1435784

CATALOG NUMBER: SQ2W-FA-K-050U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1808.1	1808.1	1808.1	1808.1
2.5°	1787.5	1796.9	1796.9	1796.9
5°	1721.7	1761.4	1770.7	1780.1
7.5°	1591.3	1679.8	1721.5	1763.2
10°	1499.7	1583.8	1667.9	1752.0
12.5°	1421.2	1497.2	1616.2	1735.2
15°	1357.2	1421.1	1555.0	1689.0
17.5°	1310.0	1351.2	1491.3	1631.5
20°	1298.8	1317.5	1457.7	1597.8
22.5°	1278.3	1277.7	1415.3	1553.0
25°	1242.8	1221.7	1343.2	1464.7
27.5°	1199.8	1164.9	1260.8	1356.8
30°	1168.0	1127.5	1208.5	1289.5
32.5°	1130.6	1088.3	1146.8	1205.4
35°	1079.2	1029.4	1054.3	1079.2
37.5°	1029.7	969.3	961.2	953.1
40°	990.5	925.1	897.0	869.0
42.5°	953.1	885.2	854.7	824.2
45°	894.7	829.3	810.6	791.9
47.5°	837.2	770.3	756.6	742.9
50°	794.3	724.2	705.5	686.8
52.5°	745.7	670.0	658.8	647.5
55°	668.1	591.0	600.4	609.7
57.5°	588.7	505.2	513.3	521.4
60°	532.6	445.4	461.0	476.6
62.5°	489.6	404.9	415.5	426.1
65°	432.2	355.9	349.6	343.4
67.5°	378.9	310.2	289.7	269.1
70°	343.4	280.3	252.3	224.3
72.5°	304.2	252.3	224.3	196.2
75°	242.9	203.2	175.2	147.2
77.5°	180.3	152.6	129.6	106.5
80°	135.5	115.2	99.7	84.1
82.5°	96.2	82.2	69.1	56.1
85°	46.7	40.5	34.3	28.0
87.5°	13.5	12.0	9.0	6.0
90°	11.4	7.0	4.4	1.9
92.5°	24.5	17.1	12.0	7.0
95°	49.3	39.2	27.8	19.6
97.5°	78.5	62.2	51.0	37.4
100°	94.2	78.4	67.7	53.1
102.5°	111.4	98.1	83.4	68.8
105°	142.3	125.8	108.8	92.3
107.5°	170.9	152.8	132.3	117.5
110°	189.1	169.5	148.0	134.7



TEST NUMBER: P1435784

CATALOG NUMBER: SQ2W-FA-K-050U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	206.8	186.7	164.7	151.4
115°	230.8	208.7	188.5	177.1
117.5°	254.0	231.2	209.8	200.9
120°	268.1	245.4	224.5	217.5
122.5°	279.8	257.5	238.2	235.3
125°	297.2	274.5	258.0	261.8
127.5°	311.4	290.5	280.2	288.6
130°	320.0	301.7	295.3	307.3
132.5°	327.6	313.3	310.5	327.1
135°	339.0	330.7	333.3	356.0
137.5°	352.5	349.3	357.8	386.5
140°	361.1	363.0	375.0	407.3
142.5°	372.7	377.2	392.7	427.0
145°	390.8	400.3	420.5	454.7
147.5°	411.3	423.6	448.6	483.7
150°	425.0	440.8	467.3	500.9
152.5°	440.7	457.0	483.5	517.6
155°	464.8	483.2	511.0	540.1
157.5°	489.5	508.2	534.8	560.2
160°	504.7	524.9	548.9	572.3
162.5°	521.9	540.6	561.6	582.4
165°	547.0	562.2	579.3	597.0
167.5°	568.2	580.8	594.2	608.0
170°	581.8	591.9	603.3	614.1
172.5°	593.4	601.5	609.9	619.1
175°	609.0	613.4	618.5	624.2
177.5°	621.0	622.5	624.1	626.6
180°	626.1	626.1	626.1	626.1

TEST NUMBER: P1435784  
 CATALOG NUMBER: SQ2W-FA-K-050U-125D-L930-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	19.85	20.94	20.61	21.71	22.65	21.05	22.14	21.81	22.91	23.85
	3H	20.96	21.93	21.73	22.72	23.68	22.31	23.29	23.08	24.07	25.04
	4H	21.32	22.24	22.11	23.04	24.01	22.71	23.63	23.50	24.43	25.40
	6H	21.50	22.34	22.29	23.15	24.14	22.89	23.73	23.68	24.54	25.53
	8H	21.54	22.34	22.34	23.17	24.16	22.92	23.72	23.72	24.55	25.54
	12H	21.54	22.31	22.35	23.12	24.14	22.91	23.68	23.72	24.49	25.51
4H	2H	20.75	21.67	21.54	22.46	23.44	21.66	22.58	22.45	23.38	24.35
	3H	22.16	22.92	22.96	23.75	24.75	23.15	23.91	23.95	24.74	25.74
	4H	22.62	23.32	23.44	24.15	25.17	23.63	24.33	24.45	25.16	26.18
	6H	22.87	23.47	23.70	24.32	25.35	23.87	24.47	24.70	25.32	26.35
	8H	22.93	23.49	23.76	24.34	25.38	23.92	24.48	24.76	25.33	26.37
	12H	22.94	23.45	23.80	24.31	25.36	23.92	24.43	24.78	25.29	26.34
8H	4H	23.02	23.59	23.86	24.43	25.47	23.85	24.41	24.68	25.26	26.30
	6H	23.38	23.85	24.25	24.74	25.78	24.17	24.64	25.03	25.52	26.56
	8H	23.50	23.92	24.38	24.80	25.86	24.27	24.68	25.14	25.56	26.62
	12H	23.55	23.92	24.43	24.79	25.90	24.29	24.66	25.17	25.53	26.64
12H	4H	23.04	23.54	23.89	24.41	25.46	23.83	24.33	24.68	25.20	26.24
	6H	23.46	23.87	24.33	24.75	25.81	24.19	24.60	25.07	25.49	26.54
	8H	23.61	23.98	24.49	24.85	25.96	24.31	24.68	25.19	25.55	26.66