

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: P1435762

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

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2024
Report Number: P1435762
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-025U-125D-L940-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 250 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

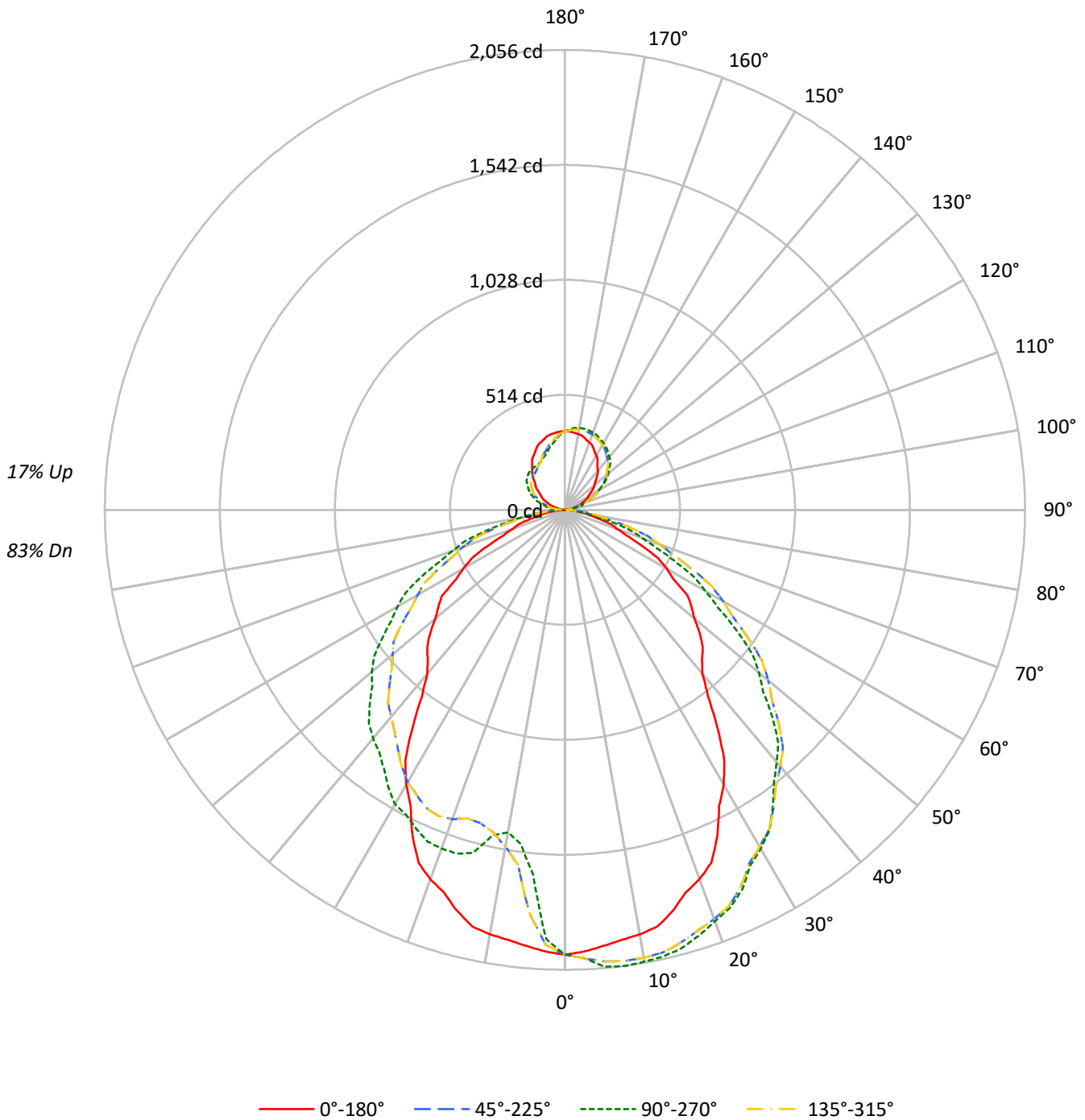
Lumens per Lamp: N/A
Luminaire Lumens: 5963.7 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 56.7
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: P1435762

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

Luminous Intensity Polar Plot





TEST NUMBER: P1435762

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

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	110	110	110	110	102	102	102	94	94	94	86	86	86	83				
1	105	101	97	93	101	97	93	90	90	87	84	83	81	79	77	75	73	70				
2	96	88	82	76	92	85	79	74	79	74	70	73	69	66	68	65	62	59				
3	88	78	70	64	84	75	68	62	69	64	59	65	60	56	60	56	53	50				
4	80	69	61	54	77	66	59	53	62	55	50	58	52	48	54	49	45	43				
5	74	62	53	47	71	59	52	46	55	49	44	52	46	42	48	43	40	37				
6	68	55	47	41	65	54	46	40	50	43	38	47	41	37	44	39	35	33				
7	63	50	42	36	60	49	41	35	46	39	34	43	37	32	40	35	31	29				
8	59	46	38	32	56	44	37	31	42	35	30	39	33	29	37	32	28	26				
9	55	42	34	29	53	41	33	28	38	32	27	36	30	26	34	29	25	23				
10	51	39	31	26	49	38	30	26	35	29	25	33	28	24	31	27	23	21				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	32105	32105	32105	32105
5°	31729	33228	31729	26483
10°	31589	33612	31589	24008
15°	31048	33882	31048	26539
20°	30193	33637	30193	27676
25°	28696	33365	28696	28010
30°	26440	32618	26440	28308
35°	23394	31901	23394	27799
40°	20143	31027	20143	28103
45°	19885	29918	19885	28158
50°	18972	28459	18972	28265
55°	18874	26252	18874	27988
60°	16924	23395	16924	27874
65°	14430	20611	14430	27090
70°	11641	17466	11641	25104
75°	10100	14423	10100	23081
80°	8601	10748	8601	18633
85°	5706	5706	5706	11430

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 30857 cd/sqm



TEST NUMBER: P1435762

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.9	3.0
10°-20°	499.9	8.4
20°-30°	759.2	12.7
30°-40°	891.4	14.9
40°-50°	904.6	15.2
50°-60°	792.3	13.3
60°-70°	562.0	9.4
70°-80°	289.3	4.9
80°-90°	62.1	1.0
90°-100°	27.9	0.5
100°-110°	81.4	1.4
110°-120°	132.8	2.2
120°-130°	168.5	2.8
130°-140°	180.3	3.0
140°-150°	168.4	2.8
150°-160°	138.6	2.3
160°-170°	92.9	1.6
170°-180°	33.0	0.6
0°-30°	1438.1	24.1
0°-40°	2329.4	39.1
0°-60°	4026.3	67.5
0°-90°	4939.7	82.8
90°-120°	242.1	4.1
90°-150°	759.4	12.7
90°-180°	1024.0	17.2
0°-180°	5963.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1988	1988	1988	1988	1988	
5°	1958	2050	1958	1634	1958	186
15°	1858	2027	1858	1588	1858	522
25°	1611	1873	1611	1572	1611	735
35°	1187	1618	1187	1410	1187	740
45°	871	1310	871	1233	871	666
55°	670	933	670	994	670	580
65°	378	540	378	709	378	377
75°	162	231	162	370	162	175
85°	31	31	31	62	31	39
90°	1	8	1	15	1	2
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	



TEST NUMBER: P1435762

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

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5
2.5°	1976.2	1989.9	2003.6	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0	2007.0
5°	1957.7	1981.7	2005.6	2016.8	2023.6	2028.8	2032.2	2036.5	2043.3	2050.2	2043.3
7.5°	1939.2	1971.4	2003.6	2019.3	2029.6	2037.8	2044.0	2049.5	2052.9	2056.3	2052.9
10°	1926.8	1964.5	2002.2	2019.3	2029.6	2036.5	2039.9	2043.3	2046.7	2050.2	2046.7
12.5°	1908.3	1948.8	1989.2	2009.1	2022.1	2030.3	2033.7	2037.1	2040.6	2044.0	2040.6
15°	1857.5	1912.3	1967.1	1988.5	1998.8	2007.3	2014.2	2020.2	2023.6	2027.0	2023.6
17.5°	1794.3	1860.7	1927.2	1954.1	1967.8	1977.7	1983.9	1989.2	1991.9	1994.7	1991.9
20°	1757.3	1829.2	1901.2	1929.4	1943.1	1951.7	1955.1	1957.7	1957.7	1957.7	1957.7
22.5°	1708.0	1788.1	1868.3	1898.6	1912.3	1919.5	1920.2	1921.4	1924.1	1926.8	1924.1
25°	1610.8	1703.3	1795.8	1834.4	1854.9	1863.5	1860.0	1859.2	1866.0	1872.9	1866.0
27.5°	1492.1	1608.6	1725.1	1764.5	1778.2	1786.7	1790.2	1792.7	1792.7	1792.7	1792.7
30°	1418.2	1548.3	1678.5	1721.3	1735.0	1743.6	1747.0	1749.6	1749.6	1749.6	1749.6
32.5°	1325.7	1480.5	1635.3	1682.3	1693.2	1699.0	1699.7	1700.2	1700.2	1700.2	1700.2
35°	1186.9	1375.3	1563.7	1616.0	1622.8	1626.3	1626.3	1625.4	1622.0	1618.5	1622.0
37.5°	1048.2	1262.0	1475.7	1536.9	1547.1	1549.9	1545.1	1540.6	1537.2	1533.8	1537.2
40°	955.7	1188.6	1421.6	1487.5	1497.8	1497.8	1487.5	1479.0	1475.5	1472.1	1475.5
42.5°	906.4	1136.6	1366.8	1432.0	1442.3	1440.9	1427.9	1417.3	1413.9	1410.4	1413.9
45°	870.9	1076.5	1282.0	1341.1	1351.4	1349.6	1335.9	1324.0	1317.1	1310.3	1317.1
47.5°	817.0	997.8	1178.7	1236.8	1253.9	1252.2	1231.6	1214.5	1207.7	1200.8	1207.7
50°	755.3	933.4	1111.6	1169.0	1186.1	1184.4	1163.8	1146.7	1139.8	1133.0	1139.8
52.5°	712.2	879.3	1046.5	1099.1	1113.5	1109.0	1085.7	1066.5	1059.7	1052.8	1059.7
55°	670.5	811.0	951.4	994.3	1004.5	997.7	973.7	953.1	942.9	932.6	942.9
57.5°	573.4	707.0	840.6	882.2	893.2	885.0	857.6	834.1	822.5	810.8	822.5
60°	524.1	644.0	763.9	804.1	817.8	811.0	783.6	758.7	741.6	724.5	741.6
62.5°	468.6	574.8	681.0	721.9	741.1	737.0	709.6	684.8	667.6	650.5	667.6
65°	377.7	470.1	562.6	603.7	627.7	626.0	598.6	573.8	556.6	539.5	556.6
67.5°	296.0	375.4	454.9	495.3	522.7	521.4	491.2	465.2	451.5	437.8	451.5
70°	246.6	315.1	383.7	421.3	448.7	448.7	421.3	397.4	383.7	370.0	383.7
72.5°	215.8	267.9	319.9	355.6	385.7	385.7	355.6	330.2	319.3	308.3	319.3
75°	161.9	192.7	223.5	256.9	291.2	294.6	267.2	244.9	238.1	231.2	238.1
77.5°	117.2	131.5	145.9	172.1	202.3	205.7	182.4	164.3	161.5	158.8	161.5
80°	92.5	95.9	99.3	120.7	148.2	151.6	131.0	115.6	115.6	115.6	115.6
82.5°	61.7	65.1	68.5	83.8	102.9	105.0	89.9	77.9	75.2	72.4	75.2
85°	30.8	30.8	30.8	36.0	42.8	42.8	36.0	30.8	30.8	30.8	30.8
87.5°	6.4	6.7	7.0	9.4	12.3	12.4	9.6	7.7	7.7	7.7	7.7
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



TEST NUMBER: P1435762

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

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



TEST NUMBER: P1435762

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5
2.5°	2007.0	2007.0	2007.0	2007.0	2007.0	2003.6	1989.9	1976.2	1976.2	1976.2	1965.9
5°	2036.5	2032.2	2028.8	2023.6	2016.8	2005.6	1981.7	1957.7	1947.4	1937.1	1893.4
7.5°	2049.5	2044.0	2037.8	2029.6	2019.3	2003.6	1971.4	1939.2	1893.3	1847.4	1750.1
10°	2043.3	2039.9	2036.5	2029.6	2019.3	2002.2	1964.5	1926.8	1834.4	1741.9	1649.4
12.5°	2037.1	2033.7	2030.3	2022.1	2009.1	1989.2	1948.8	1908.3	1777.5	1646.6	1563.1
15°	2020.2	2014.2	2007.3	1998.8	1988.5	1967.1	1912.3	1857.5	1710.2	1562.9	1492.7
17.5°	1989.2	1983.9	1977.7	1967.8	1954.1	1927.2	1860.7	1794.3	1640.1	1486.0	1440.8
20°	1957.7	1955.1	1951.7	1943.1	1929.4	1901.2	1829.2	1757.3	1603.1	1449.0	1428.4
22.5°	1921.4	1920.2	1919.5	1912.3	1898.6	1868.3	1788.1	1708.0	1556.5	1405.1	1405.8
25°	1859.2	1860.0	1863.5	1854.9	1834.4	1795.8	1703.3	1610.8	1477.2	1343.7	1366.8
27.5°	1792.7	1790.2	1786.7	1778.2	1764.5	1725.1	1608.6	1492.1	1386.6	1281.1	1319.5
30°	1749.6	1747.0	1743.6	1735.0	1721.3	1678.5	1548.3	1418.2	1329.1	1240.0	1284.6
32.5°	1700.2	1699.7	1699.0	1693.2	1682.3	1635.3	1480.5	1325.7	1261.3	1196.9	1243.5
35°	1625.4	1626.3	1626.3	1622.8	1616.0	1563.7	1375.3	1186.9	1159.5	1132.1	1186.9
37.5°	1540.6	1545.1	1549.9	1547.1	1536.9	1475.7	1262.0	1048.2	1057.1	1066.0	1132.5
40°	1479.0	1487.5	1497.8	1497.8	1487.5	1421.6	1188.6	955.7	986.5	1017.4	1089.3
42.5°	1417.3	1427.9	1440.9	1442.3	1432.0	1366.8	1136.6	906.4	940.0	973.5	1048.2
45°	1324.0	1335.9	1349.6	1351.4	1341.1	1282.0	1076.5	870.9	891.5	912.0	984.0
47.5°	1214.5	1231.6	1252.2	1253.9	1236.8	1178.7	997.8	817.0	832.1	847.1	920.8
50°	1146.7	1163.8	1184.4	1186.1	1169.0	1111.6	933.4	755.3	775.9	796.4	873.5
52.5°	1066.5	1085.7	1109.0	1113.5	1099.1	1046.5	879.3	712.2	724.5	736.8	820.1
55°	953.1	973.7	997.7	1004.5	994.3	951.4	811.0	670.5	660.3	650.0	734.8
57.5°	834.1	857.6	885.0	893.2	882.2	840.6	707.0	573.4	564.5	555.6	647.4
60°	758.7	783.6	811.0	817.8	804.1	763.9	644.0	524.1	507.0	489.8	585.8
62.5°	684.8	709.6	737.0	741.1	721.9	681.0	574.8	468.6	457.0	445.3	538.5
65°	573.8	598.6	626.0	627.7	603.7	562.6	470.1	377.7	384.5	391.4	475.3
67.5°	465.2	491.2	521.4	522.7	495.3	454.9	375.4	296.0	318.6	341.2	416.7
70°	397.4	421.3	448.7	448.7	421.3	383.7	315.1	246.6	277.5	308.3	377.7
72.5°	330.2	355.6	385.7	385.7	355.6	319.9	267.9	215.8	246.6	277.5	334.5
75°	244.9	267.2	294.6	291.2	256.9	223.5	192.7	161.9	192.7	223.5	267.2
77.5°	164.3	182.4	205.7	202.3	172.1	145.9	131.5	117.2	142.5	167.8	198.3
80°	115.6	131.0	151.6	148.2	120.7	99.3	95.9	92.5	109.6	126.7	149.0
82.5°	77.9	89.9	105.0	102.9	83.8	68.5	65.1	61.7	76.0	90.4	105.8
85°	30.8	36.0	42.8	42.8	36.0	30.8	30.8	30.8	37.7	44.5	51.4
87.5°	7.7	9.6	12.4	12.3	9.4	7.0	6.7	6.4	9.4	12.4	13.6
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: P1435762

CATALOG NUMBER: SQ2W-FA-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: P1435762

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5	1988.5
2.5°	1952.2	1941.2	1933.0	1926.2	1923.4	1920.7	1923.4	1926.2	1933.0	1941.2	1952.2
5°	1838.6	1780.4	1718.7	1668.2	1651.1	1634.0	1651.1	1668.2	1718.7	1780.4	1838.6
7.5°	1635.7	1565.5	1539.4	1518.5	1513.0	1507.6	1513.0	1518.5	1539.4	1565.5	1635.7
10°	1556.9	1500.4	1479.8	1464.4	1464.4	1464.4	1464.4	1464.4	1479.8	1500.4	1556.9
12.5°	1495.2	1460.6	1459.3	1461.7	1475.4	1489.1	1475.4	1461.7	1459.3	1460.6	1495.2
15°	1448.1	1453.3	1508.1	1553.5	1570.6	1587.7	1570.6	1553.5	1508.1	1453.3	1448.1
17.5°	1431.9	1461.3	1529.1	1583.4	1597.1	1610.8	1597.1	1583.4	1529.1	1461.3	1431.9
20°	1452.4	1490.1	1541.5	1583.4	1597.1	1610.8	1597.1	1583.4	1541.5	1490.1	1452.4
22.5°	1457.2	1503.1	1543.5	1577.3	1591.0	1604.7	1591.0	1577.3	1543.5	1503.1	1457.2
25°	1442.1	1496.9	1531.2	1558.6	1565.5	1572.3	1565.5	1558.6	1531.2	1496.9	1442.1
27.5°	1405.8	1466.1	1500.4	1527.3	1532.1	1536.9	1532.1	1527.3	1500.4	1466.1	1405.8
30°	1373.6	1435.3	1469.5	1497.8	1508.1	1518.4	1508.1	1497.8	1469.5	1435.3	1373.6
32.5°	1327.0	1390.1	1432.5	1464.9	1467.0	1469.0	1467.0	1464.9	1432.5	1390.1	1327.0
35°	1269.1	1334.2	1382.2	1417.3	1413.9	1410.4	1413.9	1417.3	1382.2	1334.2	1269.1
37.5°	1218.1	1281.8	1323.6	1356.0	1360.1	1364.2	1360.1	1356.0	1323.6	1281.8	1218.1
40°	1174.9	1240.0	1284.6	1319.7	1326.5	1333.4	1326.5	1319.7	1284.6	1240.0	1174.9
42.5°	1136.6	1203.0	1247.6	1282.7	1289.5	1296.4	1289.5	1282.7	1247.6	1203.0	1136.6
45°	1073.0	1141.5	1189.5	1226.3	1229.8	1233.2	1229.8	1226.3	1189.5	1141.5	1073.0
47.5°	1013.9	1082.8	1127.3	1161.6	1165.0	1168.4	1165.0	1161.6	1127.3	1082.8	1013.9
50°	969.4	1039.6	1084.2	1118.4	1121.9	1125.3	1121.9	1118.4	1084.2	1039.6	969.4
52.5°	926.9	999.9	1039.0	1069.1	1072.5	1075.9	1072.5	1069.1	1039.0	999.9	926.9
55°	851.2	928.3	966.0	994.3	994.3	994.3	994.3	966.0	928.3	851.2	
57.5°	772.8	851.9	884.8	910.5	914.6	918.7	914.6	910.5	884.8	851.9	772.8
60°	719.4	799.9	827.3	849.5	856.4	863.2	856.4	849.5	827.3	799.9	719.4
62.5°	666.6	744.4	771.8	793.3	797.5	801.6	797.5	793.3	771.8	744.4	666.6
65°	584.9	653.4	680.8	702.2	705.7	709.1	705.7	702.2	680.8	653.4	584.9
67.5°	509.9	566.1	585.2	600.3	603.1	605.8	603.1	600.3	585.2	566.1	509.9
70°	459.9	507.8	521.5	531.8	531.8	531.8	531.8	521.5	507.8	459.9	
72.5°	400.3	440.0	453.7	464.7	467.4	470.1	467.4	453.7	440.0	400.3	
75°	315.1	344.3	354.5	363.1	366.5	370.0	366.5	363.1	354.5	344.3	315.1
77.5°	230.5	249.7	255.9	261.4	264.8	268.2	264.8	261.4	255.9	249.7	230.5
80°	173.0	186.7	190.1	193.5	197.0	200.4	197.0	193.5	190.1	186.7	173.0
82.5°	121.6	131.2	134.6	137.4	138.0	138.7	138.0	137.4	134.6	131.2	121.6
85°	58.2	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	58.2
87.5°	14.0	14.5	15.0	15.2	15.5	15.4	15.5	15.2	15.0	14.5	14.0
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: P1435762

CATALOG NUMBER: SQ2W-FA-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: P1435762

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1988.5	1988.5	1988.5	1988.5
2.5°	1965.9	1976.2	1976.2	1976.2
5°	1893.4	1937.1	1947.4	1957.7
7.5°	1750.1	1847.4	1893.3	1939.2
10°	1649.4	1741.9	1834.4	1926.8
12.5°	1563.1	1646.6	1777.5	1908.3
15°	1492.7	1562.9	1710.2	1857.5
17.5°	1440.8	1486.0	1640.1	1794.3
20°	1428.4	1449.0	1603.1	1757.3
22.5°	1405.8	1405.1	1556.5	1708.0
25°	1366.8	1343.7	1477.2	1610.8
27.5°	1319.5	1281.1	1386.6	1492.1
30°	1284.6	1240.0	1329.1	1418.2
32.5°	1243.5	1196.9	1261.3	1325.7
35°	1186.9	1132.1	1159.5	1186.9
37.5°	1132.5	1066.0	1057.1	1048.2
40°	1089.3	1017.4	986.5	955.7
42.5°	1048.2	973.5	940.0	906.4
45°	984.0	912.0	891.5	870.9
47.5°	920.8	847.1	832.1	817.0
50°	873.5	796.4	775.9	755.3
52.5°	820.1	736.8	724.5	712.2
55°	734.8	650.0	660.3	670.5
57.5°	647.4	555.6	564.5	573.4
60°	585.8	489.8	507.0	524.1
62.5°	538.5	445.3	457.0	468.6
65°	475.3	391.4	384.5	377.7
67.5°	416.7	341.2	318.6	296.0
70°	377.7	308.3	277.5	246.6
72.5°	334.5	277.5	246.6	215.8
75°	267.2	223.5	192.7	161.9
77.5°	198.3	167.8	142.5	117.2
80°	149.0	126.7	109.6	92.5
82.5°	105.8	90.4	76.0	61.7
85°	51.4	44.5	37.7	30.8
87.5°	13.6	12.4	9.4	6.4
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: P1435762

CATALOG NUMBER: SQ2W-FA-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: P1435762
 CATALOG NUMBER: SQ2W-FA-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	21.05	22.31	21.66	22.93	23.64	22.25	23.51	22.86	24.13	24.84
	3H	22.17	23.30	22.80	23.93	24.68	23.52	24.65	24.15	25.29	26.03
	4H	22.54	23.60	23.19	24.25	25.01	23.93	25.00	24.58	25.64	26.40
	6H	22.72	23.70	23.38	24.36	25.14	24.11	25.10	24.77	25.75	26.53
	8H	22.77	23.70	23.44	24.38	25.16	24.15	25.08	24.82	25.76	26.54
	12H	22.78	23.67	23.45	24.34	25.15	24.15	25.04	24.82	25.71	26.52
4H	2H	21.97	23.03	22.62	23.68	24.44	22.88	23.95	23.53	24.59	25.35
	3H	23.39	24.28	24.05	24.96	25.74	24.38	25.27	25.04	25.95	26.73
	4H	23.86	24.67	24.54	25.36	26.17	24.87	25.68	25.55	26.37	27.18
	6H	24.11	24.81	24.81	25.53	26.35	25.12	25.81	25.82	26.53	27.35
	8H	24.18	24.83	24.89	25.54	26.38	25.17	25.83	25.88	26.54	27.37
	12H	24.20	24.79	24.93	25.52	26.36	25.18	25.77	25.91	26.51	27.34
8H	4H	24.28	24.93	24.98	25.64	26.47	25.10	25.75	25.81	26.46	27.30
	6H	24.64	25.18	25.38	25.94	26.77	25.43	25.97	26.17	26.73	27.56
	8H	24.77	25.25	25.51	26.00	26.85	25.53	26.01	26.28	26.77	27.62
	12H	24.82	25.24	25.57	25.99	26.90	25.56	25.99	26.31	26.73	27.64
12H	4H	24.30	24.88	25.03	25.62	26.46	25.09	25.67	25.81	26.41	27.25
	6H	24.72	25.20	25.47	25.96	26.81	25.45	25.93	26.20	26.69	27.54
	8H	24.88	25.31	25.63	26.05	26.96	25.58	26.01	26.33	26.75	27.67