

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: P1435977

Luminaire Tested: SQ2W-FB-K-075U-125D-L935-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435977
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-FB-K-075U-125D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS BATWING ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 750 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

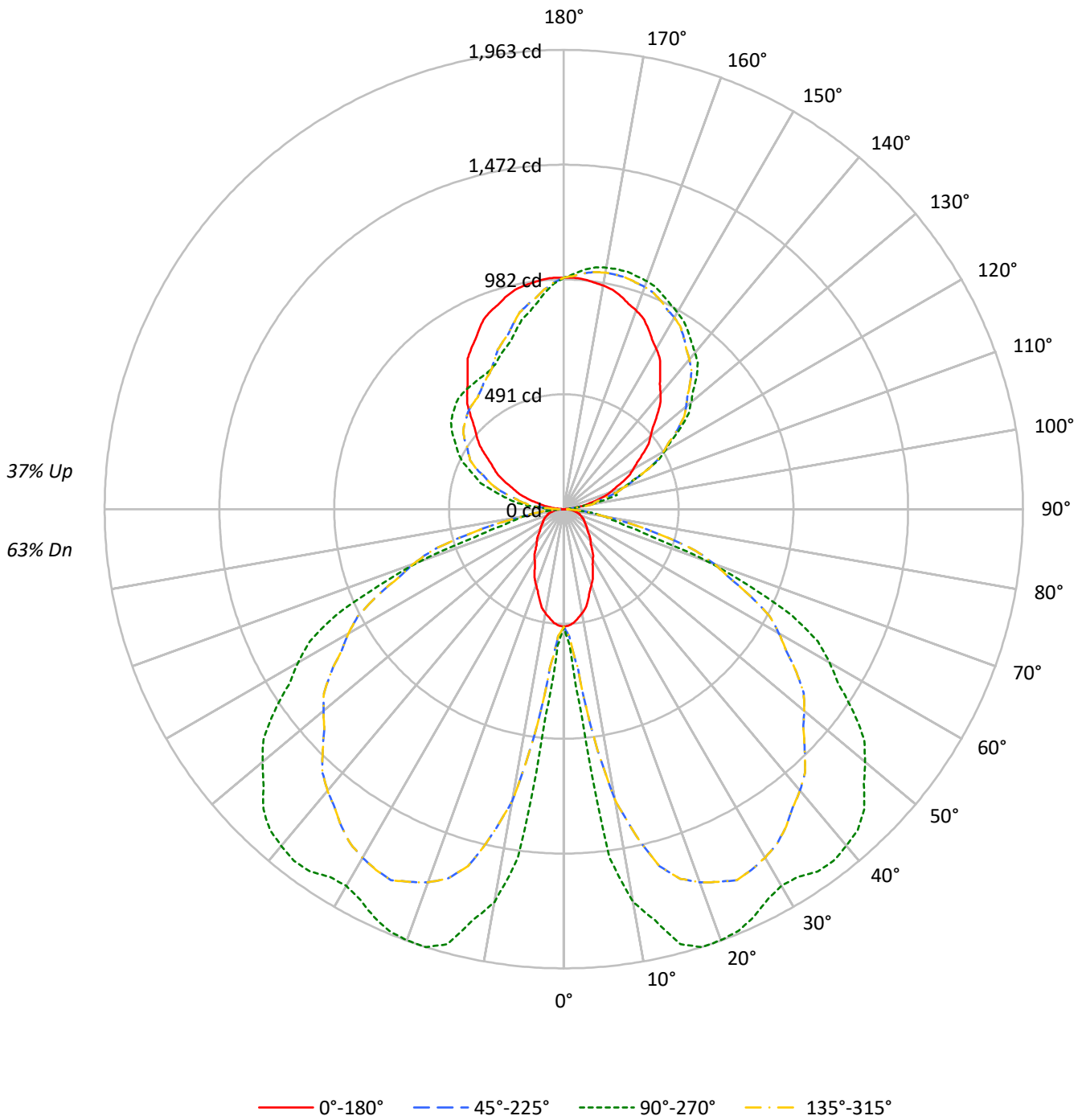
Lumens per Lamp: N/A
Luminaire Lumens: 7853.0 lumens
Efficiency: N/A
Efficacy: 107.9 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 72.8
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

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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	0
RCR																		
0	110	110	110	110	103	103	103	103	91	91	91	79	79	79	68	68	68	63
1	101	96	92	88	94	90	87	83	79	77	74	69	67	65	60	59	57	53
2	91	83	77	71	85	78	73	68	69	64	61	60	57	54	52	50	47	43
3	83	73	65	59	77	68	61	56	60	55	50	53	48	45	46	42	40	36
4	75	64	56	49	70	60	53	47	53	47	42	47	42	38	40	37	34	30
5	69	57	48	42	64	53	46	40	47	41	36	41	36	32	36	32	29	26
6	63	51	42	36	59	48	40	34	42	36	31	37	32	28	32	28	25	22
7	58	45	37	31	54	43	35	30	38	32	27	33	28	24	29	25	22	19
8	54	41	33	27	50	39	31	26	34	28	24	30	25	22	27	22	19	17
9	50	37	29	24	47	35	28	23	31	25	21	28	23	19	24	20	17	15
10	47	34	26	21	44	32	25	21	29	23	19	26	21	17	22	18	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8110	8110	8110	8110
5°	7906	14364	7906	14364
10°	7404	27953	7404	27953
15°	6701	32173	6701	32173
20°	5935	33693	5935	33693
25°	5248	34247	5248	34247
30°	4638	34669	4638	34669
35°	4141	37272	4141	37272
40°	3766	39601	3766	39601
45°	3473	41467	3473	41467
50°	3275	42221	3275	42221
55°	3195	42556	3195	42556
60°	3274	42347	3274	42347
65°	3415	41149	3415	41149
70°	3536	31123	3536	31123
75°	3918	17174	3918	17174
80°	4045	15946	4045	15946
85°	4020	6706	4020	6706

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 52.5°
 Luminance: 42942 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.2	1.1
10°-20°	384.0	4.9
20°-30°	675.7	8.6
30°-40°	874.7	11.1
40°-50°	964.7	12.3
50°-60°	900.4	11.5
60°-70°	695.6	8.9
70°-80°	320.7	4.1
80°-90°	65.4	0.8
90°-100°	78.7	1.0
100°-110°	229.5	2.9
110°-120°	374.6	4.8
120°-130°	475.3	6.1
130°-140°	508.6	6.5
140°-150°	474.9	6.0
150°-160°	390.8	5.0
160°-170°	262.1	3.3
170°-180°	93.1	1.2
0°-30°	1143.9	14.6
0°-40°	2018.6	25.7
0°-60°	3883.7	49.5
0°-90°	4965.4	63.2
90°-120°	682.8	8.7
90°-150°	2141.7	27.3
90°-180°	2888.0	36.8
0°-180°	7853.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	502	502	502	502	502	
5°	488	886	488	886	488	45
15°	401	1925	401	1925	401	112
25°	295	1922	295	1922	295	135
35°	210	1891	210	1891	210	132
45°	152	1816	152	1816	152	118
55°	114	1512	114	1512	114	102
65°	89	1077	89	1077	89	88
75°	63	275	63	275	63	64
85°	22	36	22	36	22	23
90°	3	22	3	43	3	3
95°	31	23	31	135	31	37
105°	146	234	146	322	146	155
115°	280	388	280	478	280	276
125°	414	614	414	585	414	370
135°	562	804	562	648	562	435
145°	718	927	718	662	718	449
155°	853	1007	853	687	853	392
165°	943	1050	943	791	943	265
175°	986	1028	986	928	986	94
180°	989	989	989	989	989	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3
2.5°	498.5	507.9	517.4	527.4	537.8	548.9	560.9	571.2	576.4	581.5	576.4
5°	487.8	520.0	552.2	598.9	650.5	709.0	774.4	830.5	858.4	886.3	858.4
7.5°	469.0	534.5	600.0	738.7	901.8	1071.2	1246.8	1392.5	1448.3	1504.1	1448.3
10°	451.6	542.9	634.1	869.4	1152.8	1370.7	1523.1	1644.9	1675.0	1705.0	1675.0
12.5°	432.3	556.2	680.0	970.5	1316.6	1543.1	1650.0	1737.9	1768.8	1799.7	1768.8
15°	400.9	578.0	755.1	1083.6	1462.4	1695.4	1782.3	1856.1	1890.5	1924.8	1890.5
17.5°	368.5	604.2	840.0	1175.0	1543.2	1770.3	1856.4	1925.6	1944.3	1963.0	1944.3
20°	345.4	622.3	899.2	1234.9	1590.2	1804.9	1878.9	1937.4	1949.2	1961.0	1949.2
22.5°	324.1	633.7	943.2	1279.3	1624.3	1824.8	1880.8	1926.0	1938.7	1951.4	1938.7
25°	294.6	643.5	992.3	1327.5	1658.1	1841.1	1876.5	1905.2	1913.8	1922.4	1913.8
27.5°	266.1	634.7	1003.3	1334.2	1652.6	1823.4	1846.6	1866.0	1874.4	1882.8	1874.4
30°	248.8	623.4	998.0	1325.9	1638.2	1803.0	1820.1	1836.0	1847.8	1859.6	1847.8
32.5°	233.3	609.6	985.9	1309.8	1616.1	1777.4	1793.7	1812.4	1837.9	1863.5	1837.9
35°	210.1	580.4	950.7	1271.1	1574.9	1739.6	1765.4	1796.5	1843.8	1891.0	1843.8
37.5°	190.3	543.0	895.7	1212.8	1518.1	1697.7	1751.6	1803.3	1848.9	1894.4	1848.9
40°	178.7	516.8	854.9	1169.7	1476.7	1666.1	1738.0	1801.6	1840.3	1878.9	1840.3
42.5°	167.1	487.2	807.3	1119.5	1429.0	1625.8	1709.7	1782.3	1821.0	1859.6	1821.0
45°	152.1	439.8	727.5	1036.9	1353.5	1561.2	1659.9	1743.1	1779.6	1816.1	1779.6
47.5°	138.1	388.0	637.9	948.6	1279.7	1497.5	1602.3	1687.5	1714.2	1740.8	1714.2
50°	130.4	353.7	576.9	888.7	1230.1	1452.3	1555.3	1637.9	1659.4	1680.9	1659.4
52.5°	122.7	320.2	517.7	830.1	1180.9	1404.8	1501.8	1579.6	1599.3	1619.1	1599.3
55°	113.5	274.5	435.5	744.6	1103.1	1324.8	1409.6	1477.5	1494.7	1511.8	1494.7
57.5°	105.3	235.2	365.0	664.5	1020.4	1234.5	1306.9	1364.6	1378.6	1392.5	1378.6
60°	101.4	214.1	326.8	614.2	959.9	1165.4	1230.9	1283.5	1297.4	1311.4	1297.4
62.5°	95.6	193.7	291.8	564.0	894.2	1089.4	1149.7	1198.2	1211.3	1224.4	1211.3
65°	89.4	168.8	248.2	493.5	794.0	969.5	1020.0	1059.9	1068.5	1077.1	1068.5
67.5°	80.7	148.1	215.5	428.9	691.0	837.8	869.1	888.6	872.5	856.4	872.5
70°	74.9	137.1	199.4	389.6	622.5	744.4	755.1	751.6	705.5	659.3	705.5
72.5°	71.0	126.4	181.8	346.5	547.6	636.4	612.8	573.2	485.9	398.5	485.9
75°	62.8	107.9	153.0	276.9	427.2	450.8	347.8	271.0	273.2	275.3	273.2
77.5°	51.2	84.9	118.6	194.8	285.2	303.1	248.6	208.2	210.1	212.0	210.1
80°	43.5	70.3	97.1	127.2	158.3	172.8	170.7	169.3	170.4	171.5	170.4
82.5°	35.7	55.7	75.7	93.7	111.1	120.9	123.0	124.2	122.7	121.2	122.7
85°	21.7	33.5	45.3	52.3	57.7	56.1	47.5	40.5	38.4	36.2	38.4
87.5°	8.3	13.4	18.7	18.0	15.2	13.7	13.7	13.9	14.1	14.1	14.1
90°	3.0	7.0	12.0	16.0	19.0	20.0	20.0	21.0	22.0	22.0	22.0
92.5°	11.0	17.4	17.6	17.6	21.4	23.2	24.8	25.0	26.0	26.0	26.0
95°	31.0	34.0	50.9	49.9	34.0	27.0	23.0	23.0	23.0	23.0	23.0
97.5°	59.1	63.5	66.3	88.9	93.9	90.7	73.9	62.1	55.5	52.5	55.5
100°	83.9	85.9	91.9	92.9	117.9	141.9	129.9	114.9	109.9	106.9	109.9
102.5°	108.7	109.9	119.1	123.3	129.1	142.7	184.2	179.6	176.2	175.6	176.2
105°	145.8	146.8	163.8	171.8	175.8	175.8	174.8	194.8	226.8	233.8	226.8
107.5°	185.6	190.2	210.2	231.6	236.2	237.4	232.2	229.2	228.0	228.8	228.0
110°	212.8	219.8	243.7	270.7	277.7	279.7	277.7	274.7	272.7	272.7	272.7



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	239.2	249.3	276.5	307.5	319.3	325.3	320.9	318.7	316.7	318.3	316.7
115°	279.7	294.7	330.7	362.6	386.6	389.6	388.6	388.6	387.6	387.6	387.6
117.5°	317.3	341.2	381.6	418.8	446.5	454.5	458.5	457.3	456.1	458.1	456.1
120°	343.6	371.6	417.6	459.5	486.5	498.5	502.5	500.5	502.5	500.5	502.5
122.5°	371.6	406.0	451.1	494.7	526.5	540.0	544.8	545.2	545.6	544.4	545.6
125°	413.6	455.5	508.5	553.4	586.4	602.4	606.4	607.4	609.4	614.4	609.4
127.5°	455.9	503.5	561.6	605.0	638.7	658.1	664.3	666.5	670.7	672.9	670.7
130°	485.5	539.4	598.4	639.3	672.3	693.3	704.3	707.3	712.3	711.3	712.3
132.5°	516.7	573.0	632.7	675.3	705.9	728.4	737.8	746.4	748.2	749.6	748.2
135°	562.4	623.4	683.3	725.3	754.2	776.2	788.2	796.2	801.2	804.2	801.2
137.5°	610.6	674.9	732.4	769.8	799.0	818.0	831.5	839.9	845.1	847.5	845.1
140°	643.3	705.3	761.2	800.2	826.1	845.1	857.1	867.1	873.1	873.1	873.1
142.5°	674.5	735.6	790.0	828.9	851.7	869.1	881.9	889.5	896.3	896.3	896.3
145°	718.3	779.2	829.1	868.1	887.1	903.1	917.1	923.0	927.0	927.0	927.0
147.5°	764.0	818.0	863.5	900.9	916.9	935.6	946.6	951.4	956.4	954.2	956.4
150°	791.2	841.1	885.1	920.1	936.0	954.0	965.0	969.0	974.0	971.0	974.0
152.5°	817.6	865.1	905.1	937.6	951.2	969.2	981.8	985.8	989.2	987.0	989.2
155°	853.1	895.1	932.0	962.0	974.0	991.0	1003.0	1008.0	1012.0	1007.0	1012.0
157.5°	884.9	921.0	953.2	980.8	993.6	1008.2	1019.3	1025.5	1029.5	1027.3	1029.5
160°	904.1	937.0	966.0	992.0	1004.0	1017.0	1028.9	1035.9	1039.9	1036.9	1039.9
162.5°	920.1	949.8	977.2	1000.8	1011.2	1022.5	1036.9	1043.1	1047.1	1043.3	1047.1
165°	943.0	967.0	991.0	1011.0	1019.9	1028.9	1043.9	1050.9	1053.9	1049.9	1053.9
167.5°	960.4	978.8	998.2	1015.4	1021.9	1030.7	1045.7	1051.5	1055.3	1050.3	1055.3
170°	970.0	986.0	1003.0	1017.0	1021.9	1029.9	1044.9	1049.9	1052.9	1047.9	1052.9
172.5°	978.0	990.0	1003.8	1016.2	1018.7	1025.1	1039.3	1044.3	1046.5	1042.3	1046.5
175°	986.0	993.0	1003.0	1011.0	1010.0	1014.0	1025.9	1029.9	1033.9	1027.9	1033.9
177.5°	989.8	993.0	996.2	1001.0	997.8	997.8	1006.6	1009.0	1009.8	1006.6	1009.8
180°	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3
2.5°	571.2	560.9	548.9	537.8	527.4	517.4	507.9	498.5	507.9	517.4	527.4
5°	830.5	774.4	709.0	650.5	598.9	552.2	520.0	487.8	520.0	552.2	598.9
7.5°	1392.5	1246.8	1071.2	901.8	738.7	600.0	534.5	469.0	534.5	600.0	738.7
10°	1644.9	1523.1	1370.7	1152.8	869.4	634.1	542.9	451.6	542.9	634.1	869.4
12.5°	1737.9	1650.0	1543.1	1316.6	970.5	680.0	556.2	432.3	556.2	680.0	970.5
15°	1856.1	1782.3	1695.4	1462.4	1083.6	755.1	578.0	400.9	578.0	755.1	1083.6
17.5°	1925.6	1856.4	1770.3	1543.2	1175.0	840.0	604.2	368.5	604.2	840.0	1175.0
20°	1937.4	1878.9	1804.9	1590.2	1234.9	899.2	622.3	345.4	622.3	899.2	1234.9
22.5°	1926.0	1880.8	1824.8	1624.3	1279.3	943.2	633.7	324.1	633.7	943.2	1279.3
25°	1905.2	1876.5	1841.1	1658.1	1327.5	992.3	643.5	294.6	643.5	992.3	1327.5
27.5°	1866.0	1846.6	1823.4	1652.6	1334.2	1003.3	634.7	266.1	634.7	1003.3	1334.2
30°	1836.0	1820.1	1803.0	1638.2	1325.9	998.0	623.4	248.8	623.4	998.0	1325.9
32.5°	1812.4	1793.7	1777.4	1616.1	1309.8	985.9	609.6	233.3	609.6	985.9	1309.8
35°	1796.5	1765.4	1739.6	1574.9	1271.1	950.7	580.4	210.1	580.4	950.7	1271.1
37.5°	1803.3	1751.6	1697.7	1518.1	1212.8	895.7	543.0	190.3	543.0	895.7	1212.8
40°	1801.6	1738.0	1666.1	1476.7	1169.7	854.9	516.8	178.7	516.8	854.9	1169.7
42.5°	1782.3	1709.7	1625.8	1429.0	1119.5	807.3	487.2	167.1	487.2	807.3	1119.5
45°	1743.1	1659.9	1561.2	1353.5	1036.9	727.5	439.8	152.1	439.8	727.5	1036.9
47.5°	1687.5	1602.3	1497.5	1279.7	948.6	637.9	388.0	138.1	388.0	637.9	948.6
50°	1637.9	1555.3	1452.3	1230.1	888.7	576.9	353.7	130.4	353.7	576.9	888.7
52.5°	1579.6	1501.8	1404.8	1180.9	830.1	517.7	320.2	122.7	320.2	517.7	830.1
55°	1477.5	1409.6	1324.8	1103.1	744.6	435.5	274.5	113.5	274.5	435.5	744.6
57.5°	1364.6	1306.9	1234.5	1020.4	664.5	365.0	235.2	105.3	235.2	365.0	664.5
60°	1283.5	1230.9	1165.4	959.9	614.2	326.8	214.1	101.4	214.1	326.8	614.2
62.5°	1198.2	1149.7	1089.4	894.2	564.0	291.8	193.7	95.6	193.7	291.8	564.0
65°	1059.9	1020.0	969.5	794.0	493.5	248.2	168.8	89.4	168.8	248.2	493.5
67.5°	888.6	869.1	837.8	691.0	428.9	215.5	148.1	80.7	148.1	215.5	428.9
70°	751.6	755.1	744.4	622.5	389.6	199.4	137.1	74.9	137.1	199.4	389.6
72.5°	573.2	612.8	636.4	547.6	346.5	181.8	126.4	71.0	126.4	181.8	346.5
75°	271.0	347.8	450.8	427.2	276.9	153.0	107.9	62.8	107.9	153.0	276.9
77.5°	208.2	248.6	303.1	285.2	194.8	118.6	84.9	51.2	84.9	118.6	194.8
80°	169.3	170.7	172.8	158.3	127.2	97.1	70.3	43.5	70.3	97.1	127.2
82.5°	124.2	123.0	120.9	111.1	93.7	75.7	55.7	35.7	55.7	75.7	93.7
85°	40.5	47.5	56.1	57.7	52.3	45.3	33.5	21.7	33.5	45.3	52.3
87.5°	13.9	13.7	13.7	15.2	18.0	18.7	13.4	8.3	13.4	18.5	18.4
90°	21.0	20.0	20.0	19.0	16.0	12.0	7.0	3.0	7.0	11.0	18.0
92.5°	25.0	24.8	23.2	21.4	17.6	17.6	17.4	11.0	19.0	27.0	38.8
95°	23.0	23.0	27.0	34.0	49.9	50.9	34.0	31.0	44.0	61.9	77.9
97.5°	62.1	73.9	90.7	93.9	88.9	66.3	63.5	59.1	80.5	98.3	124.1
100°	114.9	129.9	141.9	117.9	92.9	91.9	85.9	83.9	106.9	123.9	148.8
102.5°	179.6	184.2	142.7	129.1	123.3	119.1	109.9	108.7	131.7	155.0	176.0
105°	194.8	174.8	175.8	175.8	171.8	163.8	146.8	145.8	171.8	198.8	224.8
107.5°	229.2	232.2	237.4	236.2	231.6	210.2	190.2	185.6	209.0	241.4	269.9
110°	274.7	277.7	279.7	277.7	270.7	243.7	219.8	212.8	233.8	267.7	298.7



TEST NUMBER: P1435977

CATALOG NUMBER: SQ2W-FB-K-075U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	318.7	320.9	325.3	319.3	307.5	276.5	249.3	239.2	260.1	294.9	326.7
115°	388.6	388.6	389.6	386.6	362.6	330.7	294.7	279.7	297.7	329.7	364.6
117.5°	457.3	458.5	454.5	446.5	418.8	381.6	341.2	317.3	331.5	365.2	401.2
120°	500.5	502.5	498.5	486.5	459.5	417.6	371.6	343.6	354.6	387.6	423.6
122.5°	545.2	544.8	540.0	526.5	494.7	451.1	406.0	371.6	376.2	406.8	441.9
125°	607.4	606.4	602.4	586.4	553.4	508.5	455.5	413.6	407.6	433.6	469.5
127.5°	666.5	664.3	658.1	638.7	605.0	561.6	503.5	455.9	442.5	458.9	491.9
130°	707.3	704.3	693.3	672.3	639.3	598.4	539.4	485.5	466.5	476.5	505.5
132.5°	746.4	737.8	728.4	705.9	675.3	632.7	573.0	516.7	490.5	494.9	517.5
135°	796.2	788.2	776.2	754.2	725.3	683.3	623.4	562.4	526.5	522.5	535.4
137.5°	839.9	831.5	818.0	799.0	769.8	732.4	674.9	610.6	565.2	551.8	556.8
140°	867.1	857.1	845.1	826.1	800.2	761.2	705.3	643.3	592.4	573.4	570.4
142.5°	889.5	881.9	869.1	851.7	828.9	790.0	735.6	674.5	620.4	595.8	588.8
145°	923.0	917.1	903.1	887.1	868.1	829.1	779.2	718.3	664.3	632.3	617.4
147.5°	951.4	946.6	935.6	916.9	900.9	863.5	818.0	764.0	708.7	669.1	649.7
150°	969.0	965.0	954.0	936.0	920.1	885.1	841.1	791.2	738.2	696.3	671.3
152.5°	985.8	981.8	969.2	951.2	937.6	905.1	865.1	817.6	763.8	721.9	696.1
155°	1008.0	1003.0	991.0	974.0	962.0	932.0	895.1	853.1	807.2	763.2	734.2
157.5°	1025.5	1019.3	1008.2	993.6	980.8	953.2	921.0	884.9	844.7	802.8	773.2
160°	1035.9	1028.9	1017.0	1004.0	992.0	966.0	937.0	904.1	867.1	829.1	797.2
162.5°	1043.1	1036.9	1022.5	1011.2	1000.8	977.2	949.8	920.1	887.1	853.9	824.3
165°	1050.9	1043.9	1028.9	1019.9	1011.0	991.0	967.0	943.0	915.1	888.1	864.1
167.5°	1051.5	1045.7	1030.7	1021.9	1015.4	998.2	978.8	960.4	938.6	917.5	897.5
170°	1049.9	1044.9	1029.9	1021.9	1017.0	1003.0	986.0	970.0	953.0	935.0	919.1
172.5°	1044.3	1039.3	1025.1	1018.7	1016.2	1003.8	990.0	978.0	963.4	950.2	937.4
175°	1029.9	1025.9	1014.0	1010.0	1011.0	1003.0	993.0	986.0	977.0	969.0	962.0
177.5°	1009.0	1006.6	997.8	997.8	1001.0	996.2	993.0	989.8	985.8	983.4	981.0
180°	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0



TEST NUMBER: P1435977

CATALOG NUMBER: SQ2W-FB-K-075U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3
2.5°	537.8	548.9	560.9	571.2	576.4	581.5	576.4	571.2	560.9	548.9	537.8
5°	650.5	709.0	774.4	830.5	858.4	886.3	858.4	830.5	774.4	709.0	650.5
7.5°	901.8	1071.2	1246.8	1392.5	1448.3	1504.1	1448.3	1392.5	1246.8	1071.2	901.8
10°	1152.8	1370.7	1523.1	1644.9	1675.0	1705.0	1675.0	1644.9	1523.1	1370.7	1152.8
12.5°	1316.6	1543.1	1650.0	1737.9	1768.8	1799.7	1768.8	1737.9	1650.0	1543.1	1316.6
15°	1462.4	1695.4	1782.3	1856.1	1890.5	1924.8	1890.5	1856.1	1782.3	1695.4	1462.4
17.5°	1543.2	1770.3	1856.4	1925.6	1944.3	1963.0	1944.3	1925.6	1856.4	1770.3	1543.2
20°	1590.2	1804.9	1878.9	1937.4	1949.2	1961.0	1949.2	1937.4	1878.9	1804.9	1590.2
22.5°	1624.3	1824.8	1880.8	1926.0	1938.7	1951.4	1938.7	1926.0	1880.8	1824.8	1624.3
25°	1658.1	1841.1	1876.5	1905.2	1913.8	1922.4	1913.8	1905.2	1876.5	1841.1	1658.1
27.5°	1652.6	1823.4	1846.6	1866.0	1874.4	1882.8	1874.4	1866.0	1846.6	1823.4	1652.6
30°	1638.2	1803.0	1820.1	1836.0	1847.8	1859.6	1847.8	1836.0	1820.1	1803.0	1638.2
32.5°	1616.1	1777.4	1793.7	1812.4	1837.9	1863.5	1837.9	1812.4	1793.7	1777.4	1616.1
35°	1574.9	1739.6	1765.4	1796.5	1843.8	1891.0	1843.8	1796.5	1765.4	1739.6	1574.9
37.5°	1518.1	1697.7	1751.6	1803.3	1848.9	1894.4	1848.9	1803.3	1751.6	1697.7	1518.1
40°	1476.7	1666.1	1738.0	1801.6	1840.3	1878.9	1840.3	1801.6	1738.0	1666.1	1476.7
42.5°	1429.0	1625.8	1709.7	1782.3	1821.0	1859.6	1821.0	1782.3	1709.7	1625.8	1429.0
45°	1353.5	1561.2	1659.9	1743.1	1779.6	1816.1	1779.6	1743.1	1659.9	1561.2	1353.5
47.5°	1279.7	1497.5	1602.3	1687.5	1714.2	1740.8	1714.2	1687.5	1602.3	1497.5	1279.7
50°	1230.1	1452.3	1555.3	1637.9	1659.4	1680.9	1659.4	1637.9	1555.3	1452.3	1230.1
52.5°	1180.9	1404.8	1501.8	1579.6	1599.3	1619.1	1599.3	1579.6	1501.8	1404.8	1180.9
55°	1103.1	1324.8	1409.6	1477.5	1494.7	1511.8	1494.7	1477.5	1409.6	1324.8	1103.1
57.5°	1020.4	1234.5	1306.9	1364.6	1378.6	1392.5	1378.6	1364.6	1306.9	1234.5	1020.4
60°	959.9	1165.4	1230.9	1283.5	1297.4	1311.4	1297.4	1283.5	1230.9	1165.4	959.9
62.5°	894.2	1089.4	1149.7	1198.2	1211.3	1224.4	1211.3	1198.2	1149.7	1089.4	894.2
65°	794.0	969.5	1020.0	1059.9	1068.5	1077.1	1068.5	1059.9	1020.0	969.5	794.0
67.5°	691.0	837.8	869.1	888.6	872.5	856.4	872.5	888.6	869.1	837.8	691.0
70°	622.5	744.4	755.1	751.6	705.5	659.3	705.5	751.6	755.1	744.4	622.5
72.5°	547.6	636.4	612.8	573.2	485.9	398.5	485.9	573.2	612.8	636.4	547.6
75°	427.2	450.8	347.8	271.0	273.2	275.3	273.2	271.0	347.8	450.8	427.2
77.5°	285.2	303.1	248.6	208.2	210.1	212.0	210.1	208.2	248.6	303.1	285.2
80°	158.3	172.8	170.7	169.3	170.4	171.5	170.4	169.3	170.7	172.8	158.3
82.5°	111.1	120.9	123.0	124.2	122.7	121.2	122.7	124.2	123.0	120.9	111.1
85°	57.7	56.1	47.5	40.5	38.4	36.2	38.4	40.5	47.5	56.1	57.7
87.5°	16.0	15.7	17.1	17.9	18.7	18.3	18.7	17.9	17.1	15.7	16.0
90°	23.0	30.0	37.0	41.0	45.0	43.0	45.0	41.0	37.0	30.0	23.0
92.5°	46.2	57.9	66.5	73.7	76.9	76.5	76.9	73.7	66.5	57.9	46.2
95°	92.9	106.9	120.9	130.9	136.9	134.9	136.9	130.9	120.9	106.9	92.9
97.5°	143.3	162.0	177.6	187.0	193.0	197.0	193.0	187.0	177.6	162.0	143.3
100°	176.8	194.8	212.8	223.8	233.8	237.8	233.8	223.8	212.8	194.8	176.8
102.5°	204.0	227.6	247.1	258.9	267.3	271.3	267.3	258.9	247.1	227.6	204.0
105°	248.7	273.7	294.7	309.7	318.7	321.7	318.7	309.7	294.7	273.7	248.7
107.5°	293.5	319.3	338.7	355.2	366.2	372.6	366.2	355.2	338.7	319.3	293.5
110°	328.7	349.6	370.6	385.6	396.6	400.6	396.6	385.6	370.6	349.6	328.7



TEST NUMBER: P1435977

CATALOG NUMBER: SQ2W-FB-K-075U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	358.2	381.6	402.6	417.6	430.2	435.8	430.2	417.6	402.6	381.6	358.2
115°	399.6	430.6	449.5	463.5	472.5	477.5	472.5	463.5	449.5	430.6	399.6
117.5°	434.0	466.3	487.1	497.9	502.1	505.7	502.1	497.9	487.1	466.3	434.0
120°	455.5	485.5	509.5	523.5	528.5	530.5	528.5	523.5	509.5	485.5	455.5
122.5°	475.5	503.9	527.1	544.2	552.4	554.4	552.4	544.2	527.1	503.9	475.5
125°	503.5	530.5	554.4	571.4	580.4	585.4	580.4	571.4	554.4	530.5	503.5
127.5°	527.9	557.0	579.0	594.4	603.2	607.2	603.2	594.4	579.0	557.0	527.9
130°	541.4	571.4	593.4	610.4	618.4	622.4	618.4	610.4	593.4	571.4	541.4
132.5°	551.8	583.4	606.2	621.6	630.3	634.3	630.3	621.6	606.2	583.4	551.8
135°	564.4	597.4	621.4	636.3	644.3	648.3	644.3	636.3	621.4	597.4	564.4
137.5°	575.4	605.4	630.3	646.1	653.3	655.9	653.3	646.1	630.3	605.4	575.4
140°	583.4	609.4	634.3	649.3	657.3	658.3	657.3	649.3	634.3	609.4	583.4
142.5°	593.8	614.2	635.9	650.9	658.9	660.7	658.9	650.9	635.9	614.2	593.8
145°	612.4	624.4	639.3	653.3	660.3	662.3	660.3	653.3	639.3	624.4	612.4
147.5°	635.7	639.5	647.3	656.5	663.3	664.7	663.3	656.5	647.3	639.5	635.7
150°	653.3	652.3	655.3	661.3	667.3	666.3	667.3	661.3	655.3	652.3	653.3
152.5°	673.3	667.5	667.3	670.1	672.9	672.7	672.9	670.1	667.3	667.5	673.3
155°	707.3	696.3	690.3	688.3	688.3	687.3	688.3	688.3	690.3	696.3	707.3
157.5°	744.6	729.2	720.3	715.5	714.1	711.9	714.1	715.5	720.3	729.2	744.6
160°	770.2	753.2	744.2	736.2	733.2	730.2	733.2	736.2	744.2	753.2	770.2
162.5°	794.2	778.0	768.2	761.0	758.0	753.4	758.0	761.0	768.2	778.0	794.2
165°	833.1	816.2	805.2	799.2	795.2	791.2	795.2	799.2	805.2	816.2	833.1
167.5°	872.1	853.5	846.3	839.5	835.7	828.5	835.7	839.5	846.3	853.5	872.1
170°	896.1	879.1	875.1	869.1	862.1	854.1	862.1	869.1	875.1	879.1	896.1
172.5°	916.9	905.5	901.5	895.5	893.3	886.9	893.3	895.5	901.5	905.5	916.9
175°	947.0	938.0	938.0	937.0	934.0	928.0	934.0	937.0	938.0	938.0	947.0
177.5°	972.2	967.4	970.6	970.6	969.8	964.2	969.8	970.6	970.6	967.4	972.2
180°	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0



TEST NUMBER: P1435977

CATALOG NUMBER: SQ2W-FB-K-075U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	502.3	502.3	502.3	502.3
2.5°	527.4	517.4	507.9	498.5
5°	598.9	552.2	520.0	487.8
7.5°	738.7	600.0	534.5	469.0
10°	869.4	634.1	542.9	451.6
12.5°	970.5	680.0	556.2	432.3
15°	1083.6	755.1	578.0	400.9
17.5°	1175.0	840.0	604.2	368.5
20°	1234.9	899.2	622.3	345.4
22.5°	1279.3	943.2	633.7	324.1
25°	1327.5	992.3	643.5	294.6
27.5°	1334.2	1003.3	634.7	266.1
30°	1325.9	998.0	623.4	248.8
32.5°	1309.8	985.9	609.6	233.3
35°	1271.1	950.7	580.4	210.1
37.5°	1212.8	895.7	543.0	190.3
40°	1169.7	854.9	516.8	178.7
42.5°	1119.5	807.3	487.2	167.1
45°	1036.9	727.5	439.8	152.1
47.5°	948.6	637.9	388.0	138.1
50°	888.7	576.9	353.7	130.4
52.5°	830.1	517.7	320.2	122.7
55°	744.6	435.5	274.5	113.5
57.5°	664.5	365.0	235.2	105.3
60°	614.2	326.8	214.1	101.4
62.5°	564.0	291.8	193.7	95.6
65°	493.5	248.2	168.8	89.4
67.5°	428.9	215.5	148.1	80.7
70°	389.6	199.4	137.1	74.9
72.5°	346.5	181.8	126.4	71.0
75°	276.9	153.0	107.9	62.8
77.5°	194.8	118.6	84.9	51.2
80°	127.2	97.1	70.3	43.5
82.5°	93.7	75.7	55.7	35.7
85°	52.3	45.3	33.5	21.7
87.5°	18.4	18.5	13.4	8.3
90°	18.0	11.0	7.0	3.0
92.5°	38.8	27.0	19.0	11.0
95°	77.9	61.9	44.0	31.0
97.5°	124.1	98.3	80.5	59.1
100°	148.8	123.9	106.9	83.9
102.5°	176.0	155.0	131.7	108.7
105°	224.8	198.8	171.8	145.8
107.5°	269.9	241.4	209.0	185.6
110°	298.7	267.7	233.8	212.8



TEST NUMBER: P1435977

CATALOG NUMBER: SQ2W-FB-K-075U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	326.7	294.9	260.1	239.2
115°	364.6	329.7	297.7	279.7
117.5°	401.2	365.2	331.5	317.3
120°	423.6	387.6	354.6	343.6
122.5°	441.9	406.8	376.2	371.6
125°	469.5	433.6	407.6	413.6
127.5°	491.9	458.9	442.5	455.9
130°	505.5	476.5	466.5	485.5
132.5°	517.5	494.9	490.5	516.7
135°	535.4	522.5	526.5	562.4
137.5°	556.8	551.8	565.2	610.6
140°	570.4	573.4	592.4	643.3
142.5°	588.8	595.8	620.4	674.5
145°	617.4	632.3	664.3	718.3
147.5°	649.7	669.1	708.7	764.0
150°	671.3	696.3	738.2	791.2
152.5°	696.1	721.9	763.8	817.6
155°	734.2	763.2	807.2	853.1
157.5°	773.2	802.8	844.7	884.9
160°	797.2	829.1	867.1	904.1
162.5°	824.3	853.9	887.1	920.1
165°	864.1	888.1	915.1	943.0
167.5°	897.5	917.5	938.6	960.4
170°	919.1	935.0	953.0	970.0
172.5°	937.4	950.2	963.4	978.0
175°	962.0	969.0	977.0	986.0
177.5°	981.0	983.4	985.8	989.8
180°	989.0	989.0	989.0	989.0



TEST NUMBER: P1435977
 CATALOG NUMBER: SQ2W-FB-K-075U-125D-L935-UNV-STD-W-WM-4

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	14.57	15.60	15.40	16.46	17.53	24.17	25.20	25.00	26.06	27.12
	3H	15.53	16.45	16.37	17.32	18.41	25.79	26.72	26.63	27.58	28.67
	4H	15.93	16.81	16.79	17.68	18.78	25.97	26.85	26.83	27.72	28.82
	6H	16.19	17.00	17.07	17.88	19.00	26.06	26.87	26.93	27.74	28.86
	8H	16.29	17.06	17.17	17.96	19.08	26.08	26.85	26.96	27.75	28.87
	12H	16.35	17.08	17.23	17.97	19.12	26.07	26.80	26.95	27.69	28.83
4H	2H	19.31	20.19	20.18	21.06	22.16	24.56	25.43	25.42	26.30	27.41
	3H	20.46	21.19	21.33	22.09	23.21	26.46	27.19	27.34	28.09	29.21
	4H	20.75	21.41	21.64	22.31	23.46	26.69	27.35	27.58	28.26	29.40
	6H	20.89	21.47	21.80	22.39	23.54	26.83	27.41	27.74	28.33	29.48
	8H	20.94	21.47	21.84	22.39	23.56	26.88	27.42	27.79	28.34	29.50
	12H	20.95	21.43	21.87	22.37	23.54	26.87	27.35	27.80	28.29	29.46
8H	4H	21.96	22.49	22.86	23.41	24.57	26.80	27.33	27.70	28.25	29.41
	6H	22.22	22.67	23.16	23.63	24.79	27.00	27.44	27.93	28.40	29.57
	8H	22.32	22.71	23.27	23.67	24.85	27.09	27.49	28.04	28.44	29.62
	12H	22.37	22.72	23.32	23.66	24.89	27.11	27.45	28.05	28.40	29.63
12H	4H	21.99	22.47	22.92	23.41	24.58	26.76	27.24	27.68	28.18	29.35
	6H	22.33	22.72	23.27	23.68	24.86	26.99	27.38	27.93	28.33	29.51
	8H	22.48	22.82	23.42	23.77	25.00	27.09	27.44	28.04	28.38	29.61