

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: P1435803

Luminaire Tested: SQ2W-FA-K-075U-100D-L935-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435803
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-075U-100D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ASYMMETRIC ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 750 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

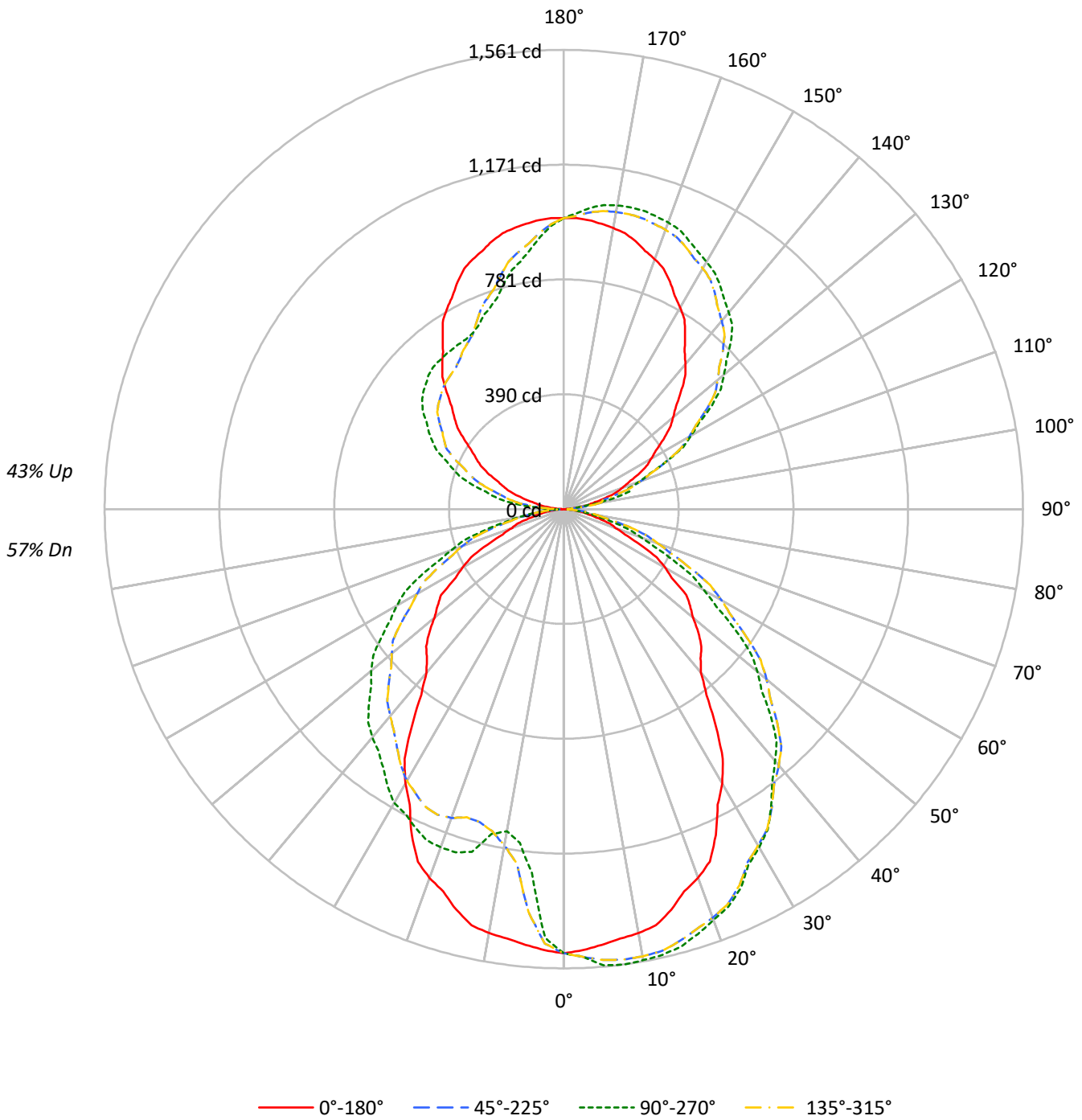
Lumens per Lamp: N/A
Luminaire Lumens: 6641.2 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 61.2
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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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	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	57				57
1	99	95	91	88	92	89	85	82	76	74	72	65	64	62	55	54	53				48	
2	91	83	77	72	84	78	72	68	67	63	60	57	54	52	49	46	44				40	
3	83	73	66	60	77	68	62	56	59	54	50	51	47	44	43	40	38				34	
4	76	65	57	51	70	61	53	48	53	47	43	45	41	38	38	35	33				29	
5	69	58	49	43	64	54	47	41	47	41	37	41	36	33	35	31	28				25	
6	64	52	44	38	59	49	41	36	42	37	32	37	32	29	31	28	25				22	
7	59	47	39	33	55	44	37	31	38	33	28	33	29	25	29	25	22				20	
8	55	42	35	29	51	40	33	28	35	29	25	31	26	23	26	23	20				18	
9	51	39	31	26	48	37	30	25	32	27	23	28	24	20	24	21	18				16	
10	48	36	28	23	44	34	27	22	30	24	20	26	21	18	23	19	16				14	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	24377	24377	24377	24377
5°	24090	25228	24090	20107
10°	23985	25520	23985	18229
15°	23573	25725	23573	20150
20°	22924	25539	22924	21013
25°	21787	25332	21787	21267
30°	20073	24766	20073	21492
35°	17763	24222	17763	21108
40°	15293	23557	15293	21338
45°	15100	22715	15100	21379
50°	14405	21607	14405	21461
55°	14331	19932	14331	21250
60°	12849	17763	12849	21164
65°	10953	15648	10953	20569
70°	8842	13260	8842	19062
75°	7667	10954	7667	17523
80°	6527	8164	6527	14142
85°	4335	4335	4335	8670

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 23427 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.8	2.0
10°-20°	379.6	5.7
20°-30°	576.4	8.7
30°-40°	676.8	10.2
40°-50°	686.8	10.3
50°-60°	601.6	9.1
60°-70°	426.7	6.4
70°-80°	219.7	3.3
80°-90°	50.2	0.8
90°-100°	78.7	1.2
100°-110°	229.5	3.5
110°-120°	374.6	5.6
120°-130°	475.3	7.2
130°-140°	508.6	7.7
140°-150°	474.9	7.2
150°-160°	390.8	5.9
160°-170°	262.1	3.9
170°-180°	93.1	1.4
0°-30°	1091.9	16.4
0°-40°	1768.6	26.6
0°-60°	3057.0	46.0
0°-90°	3753.5	56.5
90°-120°	682.8	10.3
90°-150°	2141.7	32.2
90°-180°	2888.0	43.5
0°-180°	6641.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1510	1510	1510	1510	1510	
5°	1486	1557	1486	1241	1486	141
15°	1410	1539	1410	1206	1410	396
25°	1223	1422	1223	1194	1223	558
35°	901	1229	901	1071	901	561
45°	661	995	661	936	661	506
55°	509	708	509	755	509	440
65°	287	410	287	538	287	286
75°	123	176	123	281	123	133
85°	23	23	23	47	23	29
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°	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8
2.5°	1500.4	1510.8	1521.2	1523.8	1523.8	1523.8	1523.8	1523.8	1523.8	1523.8	1523.8
5°	1486.4	1504.6	1522.8	1531.2	1536.4	1540.3	1542.9	1546.2	1551.4	1556.6	1551.4
7.5°	1472.3	1496.8	1521.2	1533.2	1541.0	1547.2	1551.9	1556.1	1558.7	1561.3	1558.7
10°	1463.0	1491.6	1520.2	1533.2	1541.0	1546.2	1548.8	1551.4	1554.0	1556.6	1554.0
12.5°	1448.9	1479.6	1510.3	1525.4	1535.3	1541.5	1544.1	1546.7	1549.3	1551.9	1549.3
15°	1410.3	1451.9	1493.5	1509.8	1517.6	1524.1	1529.3	1533.8	1536.4	1539.0	1536.4
17.5°	1362.3	1412.8	1463.2	1483.6	1494.0	1501.6	1506.3	1510.3	1512.4	1514.5	1512.4
20°	1334.2	1388.8	1443.5	1464.9	1475.3	1481.8	1484.4	1486.4	1486.4	1486.4	1486.4
22.5°	1296.8	1357.6	1418.5	1441.5	1451.9	1457.4	1457.9	1458.8	1460.9	1463.0	1460.9
25°	1223.0	1293.3	1363.5	1392.7	1408.3	1414.8	1412.2	1411.6	1416.8	1422.0	1416.8
27.5°	1132.9	1221.3	1309.8	1339.7	1350.1	1356.6	1359.2	1361.1	1361.1	1361.1	1361.1
30°	1076.7	1175.6	1274.4	1306.9	1317.3	1323.8	1326.4	1328.4	1328.4	1328.4	1328.4
32.5°	1006.5	1124.1	1241.6	1277.3	1285.6	1290.0	1290.5	1290.9	1290.9	1290.9	1290.9
35°	901.2	1044.2	1187.3	1226.9	1232.1	1234.7	1234.7	1234.1	1231.5	1228.9	1231.5
37.5°	795.9	958.1	1120.4	1166.9	1174.7	1176.7	1173.1	1169.7	1167.1	1164.5	1167.1
40°	725.6	902.5	1079.3	1129.4	1137.2	1137.2	1129.4	1122.9	1120.3	1117.7	1120.3
42.5°	688.2	863.0	1037.7	1087.3	1095.1	1094.0	1084.2	1076.1	1073.5	1070.9	1073.5
45°	661.3	817.3	973.4	1018.2	1026.0	1024.7	1014.3	1005.2	1000.0	994.8	1000.0
47.5°	620.3	757.6	894.9	939.0	952.0	950.7	935.1	922.1	916.9	911.7	916.9
50°	573.5	708.7	844.0	887.5	900.5	899.2	883.6	870.6	865.4	860.2	865.4
52.5°	540.7	667.6	794.6	834.5	845.4	842.0	824.3	809.8	804.6	799.4	804.6
55°	509.1	615.7	722.4	754.9	762.7	757.5	739.3	723.7	715.9	708.1	715.9
57.5°	435.4	536.8	638.2	669.8	678.2	671.9	651.1	633.3	624.5	615.6	624.5
60°	397.9	489.0	580.0	610.5	620.9	615.7	594.9	576.1	563.1	550.1	563.1
62.5°	355.8	436.4	517.0	548.1	562.7	559.6	538.8	519.9	506.9	493.9	506.9
65°	286.7	357.0	427.2	458.4	476.6	475.3	454.5	435.6	422.6	409.6	422.6
67.5°	224.7	285.1	345.4	376.1	396.9	395.8	373.0	353.2	342.8	332.4	342.8
70°	187.3	239.3	291.3	319.9	340.7	340.7	319.9	301.7	291.3	280.9	291.3
72.5°	163.9	203.4	242.9	270.0	292.9	292.9	270.0	250.7	242.4	234.1	242.4
75°	122.9	146.3	169.7	195.1	221.1	223.7	202.9	186.0	180.8	175.6	180.8
77.5°	88.9	99.9	110.8	130.7	153.6	156.2	138.5	124.7	122.6	120.5	122.6
80°	70.2	72.8	75.4	91.7	112.5	115.1	99.5	87.8	87.8	87.8	87.8
82.5°	46.8	49.4	52.0	63.6	78.2	79.7	68.3	59.2	57.1	55.0	57.1
85°	23.4	23.4	23.4	27.3	32.5	32.5	27.3	23.4	23.4	23.4	23.4
87.5°	5.3	6.1	7.1	9.4	12.1	12.3	10.2	8.9	9.1	9.1	9.1
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°	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8
2.5°	1523.8	1523.8	1523.8	1523.8	1523.8	1521.2	1510.8	1500.4	1500.4	1500.4	1492.6
5°	1546.2	1542.9	1540.3	1536.4	1531.2	1522.8	1504.6	1486.4	1478.6	1470.8	1437.6
7.5°	1556.1	1551.9	1547.2	1541.0	1533.2	1521.2	1496.8	1472.3	1437.5	1402.6	1328.8
10°	1551.4	1548.8	1546.2	1541.0	1533.2	1520.2	1491.6	1463.0	1392.7	1322.5	1252.3
12.5°	1546.7	1544.1	1541.5	1535.3	1525.4	1510.3	1479.6	1448.9	1349.6	1250.2	1186.8
15°	1533.8	1529.3	1524.1	1517.6	1509.8	1493.5	1451.9	1410.3	1298.5	1186.6	1133.3
17.5°	1510.3	1506.3	1501.6	1494.0	1483.6	1463.2	1412.8	1362.3	1245.3	1128.2	1093.9
20°	1486.4	1484.4	1481.8	1475.3	1464.9	1443.5	1388.8	1334.2	1217.2	1100.1	1084.5
22.5°	1458.8	1457.9	1457.4	1451.9	1441.5	1418.5	1357.6	1296.8	1181.8	1066.9	1067.4
25°	1411.6	1412.2	1414.8	1408.3	1392.7	1363.5	1293.3	1223.0	1121.6	1020.2	1037.7
27.5°	1361.1	1359.2	1356.6	1350.1	1339.7	1309.8	1221.3	1132.9	1052.8	972.7	1001.8
30°	1328.4	1326.4	1323.8	1317.3	1306.9	1274.4	1175.6	1076.7	1009.1	941.5	975.3
32.5°	1290.9	1290.5	1290.0	1285.6	1277.3	1241.6	1124.1	1006.5	957.6	908.7	944.1
35°	1234.1	1234.7	1234.7	1232.1	1226.9	1187.3	1044.2	901.2	880.4	859.6	901.2
37.5°	1169.7	1173.1	1176.7	1174.7	1166.9	1120.4	958.1	795.9	802.6	809.4	859.8
40°	1122.9	1129.4	1137.2	1137.2	1129.4	1079.3	902.5	725.6	749.0	772.4	827.1
42.5°	1076.1	1084.2	1094.0	1095.1	1087.3	1037.7	863.0	688.2	713.7	739.2	795.9
45°	1005.2	1014.3	1024.7	1026.0	1018.2	973.4	817.3	661.3	676.9	692.5	747.1
47.5°	922.1	935.1	950.7	952.0	939.0	894.9	757.6	620.3	631.7	643.2	699.1
50°	870.6	883.6	899.2	900.5	887.5	844.0	708.7	573.5	589.1	604.7	663.2
52.5°	809.8	824.3	842.0	845.4	834.5	794.6	667.6	540.7	550.1	559.4	622.6
55°	723.7	739.3	757.5	762.7	754.9	722.4	615.7	509.1	501.3	493.5	557.9
57.5°	633.3	651.1	671.9	678.2	669.8	638.2	536.8	435.4	428.6	421.9	491.6
60°	576.1	594.9	615.7	620.9	610.5	580.0	489.0	397.9	384.9	371.9	444.7
62.5°	519.9	538.8	559.6	562.7	548.1	517.0	436.4	355.8	347.0	338.1	408.8
65°	435.6	454.5	475.3	476.6	458.4	427.2	357.0	286.7	291.9	297.1	360.9
67.5°	353.2	373.0	395.8	396.9	376.1	345.4	285.1	224.7	241.9	259.0	316.4
70°	301.7	319.9	340.7	340.7	319.9	291.3	239.3	187.3	210.7	234.1	286.7
72.5°	250.7	270.0	292.9	292.9	270.0	242.9	203.4	163.9	187.3	210.7	254.0
75°	186.0	202.9	223.7	221.1	195.1	169.7	146.3	122.9	146.3	169.7	202.9
77.5°	124.7	138.5	156.2	153.6	130.7	110.8	99.9	88.9	108.2	127.4	150.6
80°	87.8	99.5	115.1	112.5	91.7	75.4	72.8	70.2	83.2	96.2	113.1
82.5°	59.2	68.3	79.7	78.2	63.6	52.0	49.4	46.8	57.7	68.7	80.4
85°	23.4	27.3	32.5	32.5	27.3	23.4	23.4	23.4	28.6	33.8	39.0
87.5°	8.9	10.2	12.3	12.1	9.4	7.1	6.1	5.3	8.2	11.0	13.0
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: P1435803

CATALOG NUMBER: SQ2W-FA-K-075U-100D-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: P1435803

CATALOG NUMBER: SQ2W-FA-K-075U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8	1509.8
2.5°	1482.2	1473.9	1467.6	1462.4	1460.4	1458.3	1460.4	1462.4	1467.6	1473.9	1482.2
5°	1396.0	1351.8	1305.0	1266.6	1253.6	1240.6	1253.6	1266.6	1305.0	1351.8	1396.0
7.5°	1241.9	1188.6	1168.8	1152.9	1148.8	1144.6	1148.8	1152.9	1168.8	1188.6	1241.9
10°	1182.1	1139.2	1123.6	1111.9	1111.9	1111.9	1111.9	1111.9	1123.6	1139.2	1182.1
12.5°	1135.3	1109.0	1108.0	1109.8	1120.2	1130.6	1120.2	1109.8	1108.0	1109.0	1135.3
15°	1099.5	1103.4	1145.0	1179.5	1192.5	1205.5	1192.5	1179.5	1145.0	1103.4	1099.5
17.5°	1087.1	1109.5	1161.0	1202.2	1212.6	1223.0	1212.6	1202.2	1161.0	1109.5	1087.1
20°	1102.8	1131.4	1170.4	1202.2	1212.6	1223.0	1212.6	1202.2	1170.4	1131.4	1102.8
22.5°	1106.4	1141.2	1171.9	1197.6	1208.0	1218.4	1208.0	1197.6	1171.9	1141.2	1106.4
25°	1094.9	1136.6	1162.6	1183.4	1188.6	1193.8	1188.6	1183.4	1162.6	1136.6	1094.9
27.5°	1067.4	1113.2	1139.2	1159.6	1163.2	1166.9	1163.2	1159.6	1139.2	1113.2	1067.4
30°	1042.9	1089.7	1115.8	1137.2	1145.0	1152.8	1145.0	1137.2	1115.8	1089.7	1042.9
32.5°	1007.6	1055.4	1087.7	1112.2	1113.8	1115.4	1113.8	1112.2	1087.7	1055.4	1007.6
35°	963.6	1013.0	1049.4	1076.1	1073.5	1070.9	1073.5	1076.1	1049.4	1013.0	963.6
37.5°	924.9	973.2	1005.0	1029.5	1032.7	1035.8	1032.7	1029.5	1005.0	973.2	924.9
40°	892.1	941.5	975.3	1002.0	1007.2	1012.4	1007.2	1002.0	975.3	941.5	892.1
42.5°	863.0	913.4	947.2	973.9	979.1	984.3	979.1	973.9	947.2	913.4	863.0
45°	814.7	866.7	903.1	931.1	933.7	936.3	933.7	931.1	903.1	866.7	814.7
47.5°	769.8	822.1	855.9	881.9	884.5	887.1	884.5	881.9	855.9	822.1	769.8
50°	736.0	789.4	823.2	849.2	851.8	854.4	851.8	849.2	823.2	789.4	736.0
52.5°	703.8	759.2	788.8	811.7	814.3	816.9	814.3	811.7	788.8	759.2	703.8
55°	646.3	704.8	733.4	754.9	754.9	754.9	754.9	733.4	704.8	646.3	646.3
57.5°	586.7	646.8	671.8	691.3	694.4	697.5	694.4	691.3	671.8	646.8	586.7
60°	546.2	607.3	628.1	645.0	650.2	655.4	650.2	645.0	628.1	607.3	546.2
62.5°	506.1	565.2	586.0	602.4	605.5	608.6	605.5	602.4	586.0	565.2	506.1
65°	444.1	496.1	516.9	533.2	535.8	538.4	535.8	533.2	516.9	496.1	444.1
67.5°	387.1	429.8	444.4	455.8	457.9	460.0	457.9	455.8	444.4	429.8	387.1
70°	349.2	385.6	396.0	403.8	403.8	403.8	403.8	396.0	385.6	349.2	349.2
72.5°	303.9	334.1	344.5	352.8	354.9	357.0	354.9	352.8	344.5	334.1	303.9
75°	239.3	261.4	269.2	275.7	278.3	280.9	278.3	275.7	269.2	261.4	239.3
77.5°	175.0	189.6	194.3	198.4	201.0	203.6	201.0	198.4	194.3	189.6	175.0
80°	131.3	141.7	144.3	146.9	149.5	152.1	149.5	146.9	144.3	141.7	131.3
82.5°	92.3	99.6	102.2	104.3	104.8	105.3	104.8	104.3	102.2	99.6	92.3
85°	44.2	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	44.2
87.5°	14.0	15.4	16.8	17.6	18.4	18.0	18.4	17.6	16.8	15.4	14.0
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: P1435803

CATALOG NUMBER: SQ2W-FA-K-075U-100D-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: P1435803

CATALOG NUMBER: SQ2W-FA-K-075U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1509.8	1509.8	1509.8	1509.8
2.5°	1492.6	1500.4	1500.4	1500.4
5°	1437.6	1470.8	1478.6	1486.4
7.5°	1328.8	1402.6	1437.5	1472.3
10°	1252.3	1322.5	1392.7	1463.0
12.5°	1186.8	1250.2	1349.6	1448.9
15°	1133.3	1186.6	1298.5	1410.3
17.5°	1093.9	1128.2	1245.3	1362.3
20°	1084.5	1100.1	1217.2	1334.2
22.5°	1067.4	1066.9	1181.8	1296.8
25°	1037.7	1020.2	1121.6	1223.0
27.5°	1001.8	972.7	1052.8	1132.9
30°	975.3	941.5	1009.1	1076.7
32.5°	944.1	908.7	957.6	1006.5
35°	901.2	859.6	880.4	901.2
37.5°	859.8	809.4	802.6	795.9
40°	827.1	772.4	749.0	725.6
42.5°	795.9	739.2	713.7	688.2
45°	747.1	692.5	676.9	661.3
47.5°	699.1	643.2	631.7	620.3
50°	663.2	604.7	589.1	573.5
52.5°	622.6	559.4	550.1	540.7
55°	557.9	493.5	501.3	509.1
57.5°	491.6	421.9	428.6	435.4
60°	444.7	371.9	384.9	397.9
62.5°	408.8	338.1	347.0	355.8
65°	360.9	297.1	291.9	286.7
67.5°	316.4	259.0	241.9	224.7
70°	286.7	234.1	210.7	187.3
72.5°	254.0	210.7	187.3	163.9
75°	202.9	169.7	146.3	122.9
77.5°	150.6	127.4	108.2	88.9
80°	113.1	96.2	83.2	70.2
82.5°	80.4	68.7	57.7	46.8
85°	39.0	33.8	28.6	23.4
87.5°	13.0	11.0	8.2	5.3
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: P1435803

CATALOG NUMBER: SQ2W-FA-K-075U-100D-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: P1435803
 CATALOG NUMBER: SQ2W-FA-K-075U-100D-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	18.05	18.98	18.95	19.90	21.07	19.25	20.18	20.15	21.09	22.27
	3H	19.15	19.97	20.06	20.90	22.10	20.50	21.33	21.41	22.26	23.46
	4H	19.50	20.28	20.43	21.22	22.43	20.90	21.68	21.82	22.61	23.82
	6H	19.67	20.39	20.61	21.33	22.55	21.06	21.78	22.00	22.72	23.94
	8H	19.70	20.39	20.65	21.35	22.57	21.09	21.77	22.03	22.73	23.95
	12H	19.70	20.35	20.65	21.30	22.55	21.07	21.72	22.02	22.67	23.92
4H	2H	18.93	19.71	19.86	20.64	21.85	19.84	20.63	20.78	21.56	22.77
	3H	20.32	20.97	21.27	21.94	23.16	21.31	21.96	22.26	22.93	24.15
	4H	20.78	21.38	21.74	22.33	23.58	21.79	22.39	22.75	23.34	24.59
	6H	21.02	21.53	21.98	22.51	23.76	22.02	22.53	22.98	23.51	24.76
	8H	21.07	21.55	22.04	22.53	23.79	22.07	22.55	23.04	23.52	24.78
	12H	21.08	21.51	22.07	22.50	23.77	22.06	22.49	23.05	23.48	24.75
8H	4H	21.17	21.65	22.14	22.62	23.89	21.99	22.47	22.96	23.45	24.71
	6H	21.52	21.92	22.52	22.94	24.20	22.31	22.70	23.30	23.72	24.98
	8H	21.64	21.99	22.64	23.00	24.27	22.41	22.75	23.41	23.76	25.04
	12H	21.68	21.99	22.69	22.99	24.31	22.42	22.73	23.43	23.73	25.05
12H	4H	21.18	21.61	22.16	22.60	23.87	21.97	22.40	22.95	23.39	24.66
	6H	21.59	21.94	22.60	22.95	24.23	22.33	22.68	23.33	23.68	24.96
	8H	21.74	22.05	22.75	23.05	24.37	22.45	22.75	23.45	23.75	25.08