

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: P1435971

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

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435971
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-100D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS BATWING 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

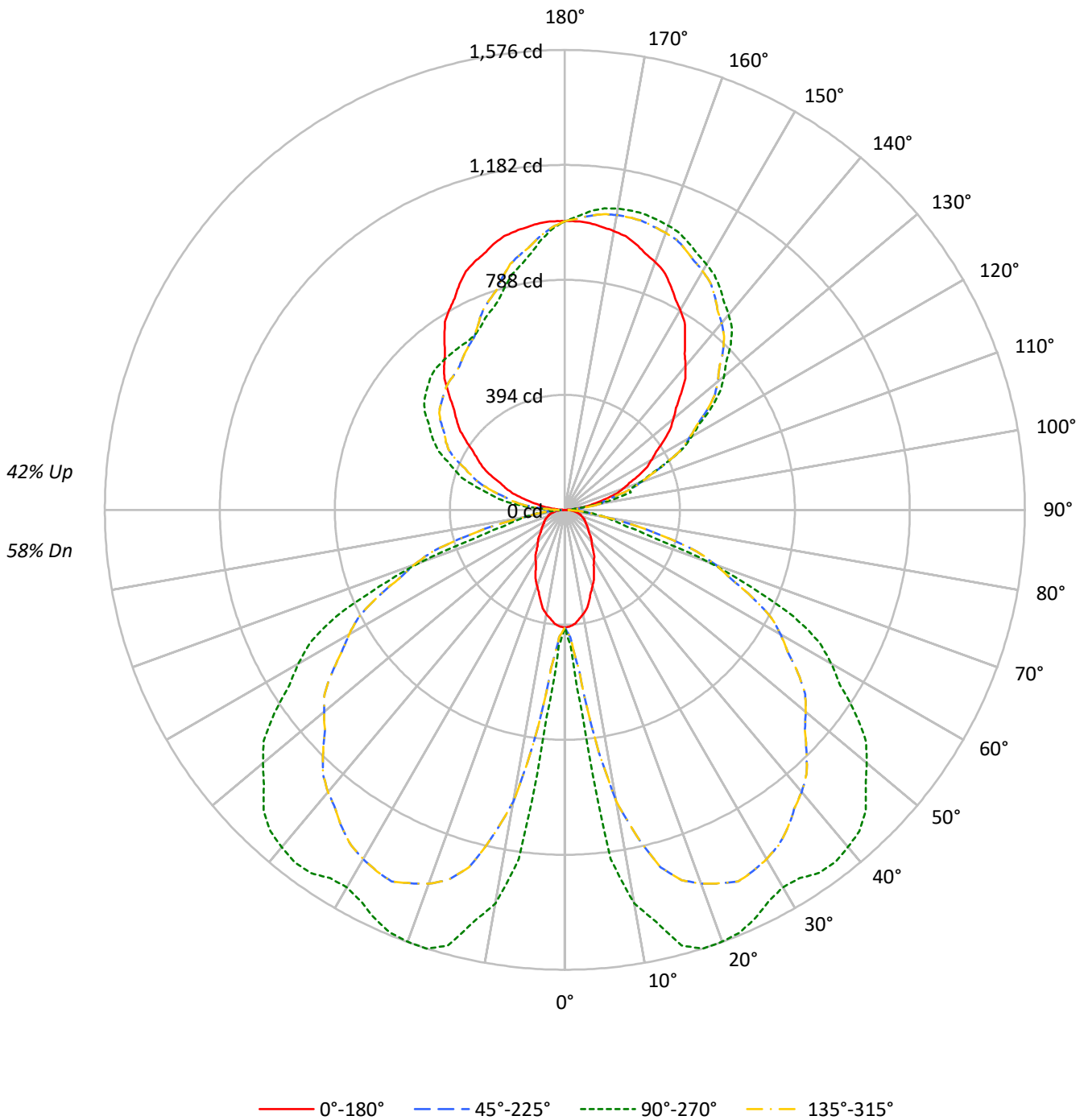
Lumens per Lamp: N/A
Luminaire Lumens: 6876.2 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 2.98 / 2.52
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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	102	102	102	102	88	88	88	75	75	75	63	63	63	58				
1	99	95	91	87	92	89	85	82	77	74	72	66	64	62	56	54	53	48				
2	90	82	76	71	84	77	71	67	67	62	59	57	54	51	49	46	44	40				
3	82	72	64	58	76	67	60	55	58	53	49	50	46	43	43	39	37	33				
4	75	63	55	49	69	59	52	46	51	46	41	44	40	36	38	34	31	28				
5	68	56	48	41	63	52	45	39	46	40	35	39	35	31	33	30	27	24				
6	63	50	41	35	58	47	39	34	41	35	30	35	30	27	30	26	23	20				
7	58	45	37	31	54	42	35	29	37	31	26	32	27	23	27	23	20	18				
8	53	41	32	27	50	38	31	26	33	27	23	29	24	20	25	21	18	16				
9	50	37	29	24	46	35	28	23	30	25	20	26	22	18	23	19	16	14				
10	46	34	26	21	43	32	25	20	28	22	18	24	20	16	21	17	14	12				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6513	6513	6513	6513
5°	6350	11536	6350	11536
10°	5946	22449	5946	22449
15°	5382	25838	5382	25838
20°	4766	27060	4766	27060
25°	4215	27504	4215	27504
30°	3725	27844	3725	27844
35°	3325	29934	3325	29934
40°	3024	31804	3024	31804
45°	2790	33305	2790	33305
50°	2630	33907	2630	33907
55°	2567	34178	2567	34178
60°	2632	34009	2632	34009
65°	2743	33046	2743	33046
70°	2837	24996	2837	24996
75°	3144	13793	3144	13793
80°	3245	12803	3245	12803
85°	3242	5391	3242	5391

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 52.5°
 Luminance: 34487 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.6	1.0
10°-20°	308.4	4.5
20°-30°	542.7	7.9
30°-40°	702.5	10.2
40°-50°	774.8	11.3
50°-60°	723.1	10.5
60°-70°	558.7	8.1
70°-80°	257.5	3.7
80°-90°	53.3	0.8
90°-100°	78.7	1.1
100°-110°	229.5	3.3
110°-120°	374.6	5.4
120°-130°	475.3	6.9
130°-140°	508.6	7.4
140°-150°	474.9	6.9
150°-160°	390.8	5.7
160°-170°	262.1	3.8
170°-180°	93.1	1.4
0°-30°	918.7	13.4
0°-40°	1621.2	23.6
0°-60°	3119.1	45.4
0°-90°	3988.6	58.0
90°-120°	682.8	9.9
90°-150°	2141.7	31.1
90°-180°	2888.0	42.0
0°-180°	6876.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	403	403	403	403	403	
5°	392	712	392	712	392	36
15°	322	1546	322	1546	322	90
25°	237	1544	237	1544	237	109
35°	169	1519	169	1519	169	106
45°	122	1459	122	1459	122	95
55°	91	1214	91	1214	91	82
65°	72	865	72	865	72	70
75°	50	221	50	221	50	52
85°	18	29	18	29	18	18
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°	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4
2.5°	400.3	407.9	415.5	423.6	431.9	440.8	450.5	458.8	462.9	467.0	462.9
5°	391.8	417.7	443.5	481.0	522.4	569.4	622.0	667.0	689.4	711.8	689.4
7.5°	376.7	429.2	481.8	593.2	724.3	860.3	1001.3	1118.3	1163.1	1208.0	1163.1
10°	362.7	436.0	509.2	698.2	925.8	1100.8	1223.2	1321.1	1345.2	1369.3	1345.2
12.5°	347.2	446.7	546.1	779.4	1057.4	1239.3	1325.1	1395.7	1420.5	1445.4	1420.5
15°	322.0	464.2	606.4	870.2	1174.5	1361.6	1431.4	1490.7	1518.2	1545.8	1518.2
17.5°	296.0	485.3	674.6	943.7	1239.3	1421.7	1490.9	1546.5	1561.5	1576.5	1561.5
20°	277.4	499.8	722.2	991.8	1277.1	1449.5	1509.0	1556.0	1565.4	1574.9	1565.4
22.5°	260.3	508.9	757.5	1027.5	1304.5	1465.5	1510.5	1546.8	1557.0	1567.2	1557.0
25°	236.6	516.8	796.9	1066.1	1331.6	1478.6	1507.0	1530.1	1537.0	1543.9	1537.0
27.5°	213.7	509.8	805.8	1071.5	1327.2	1464.4	1483.0	1498.6	1505.4	1512.1	1505.4
30°	199.8	500.6	801.5	1064.8	1315.7	1448.0	1461.8	1474.5	1484.0	1493.5	1484.0
32.5°	187.4	489.6	791.8	1051.9	1297.9	1427.5	1440.6	1455.5	1476.1	1496.6	1476.1
35°	168.7	466.1	763.5	1020.9	1264.8	1397.1	1417.8	1442.8	1480.7	1518.7	1480.7
37.5°	152.8	436.1	719.4	974.0	1219.2	1363.4	1406.7	1448.3	1484.8	1521.4	1484.8
40°	143.5	415.1	686.6	939.4	1185.9	1338.1	1395.8	1446.9	1477.9	1509.0	1477.9
42.5°	134.2	391.3	648.3	899.1	1147.7	1305.7	1373.1	1431.4	1462.4	1493.5	1462.4
45°	122.2	353.2	584.2	832.7	1087.0	1253.8	1333.1	1399.9	1429.2	1458.6	1429.2
47.5°	110.9	311.6	512.3	761.9	1027.7	1202.7	1286.8	1355.3	1376.7	1398.0	1376.7
50°	104.7	284.0	463.3	713.8	987.9	1166.3	1249.1	1315.5	1332.7	1349.9	1332.7
52.5°	98.5	257.1	415.8	666.7	948.4	1128.2	1206.2	1268.6	1284.4	1300.3	1284.4
55°	91.2	220.5	349.8	598.0	885.9	1064.0	1132.1	1186.6	1200.4	1214.2	1200.4
57.5°	84.6	188.9	293.2	533.6	819.5	991.5	1049.6	1095.9	1107.1	1118.4	1107.1
60°	81.5	172.0	262.5	493.3	770.9	935.9	988.5	1030.8	1042.0	1053.2	1042.0
62.5°	76.8	155.6	234.4	453.0	718.1	874.9	923.4	962.3	972.8	983.4	972.8
65°	71.8	135.6	199.3	396.3	637.7	778.6	819.1	851.3	858.1	865.0	858.1
67.5°	64.8	118.9	173.1	344.5	555.0	672.8	698.0	713.6	700.7	687.8	700.7
70°	60.1	110.1	160.1	312.9	500.0	597.8	606.4	603.6	566.6	529.5	566.6
72.5°	57.0	101.5	146.0	278.3	439.8	511.1	492.1	460.4	390.2	320.0	390.2
75°	50.4	86.6	122.8	222.4	343.1	362.1	279.3	217.7	219.4	221.1	219.4
77.5°	41.1	68.2	95.3	156.5	229.0	243.4	199.6	167.2	168.7	170.3	168.7
80°	34.9	56.5	78.0	102.2	127.1	138.8	137.1	136.0	136.8	137.7	136.8
82.5°	28.7	44.7	60.8	75.3	89.2	97.1	98.8	99.8	98.6	97.4	98.6
85°	17.5	26.9	36.4	42.0	46.3	45.0	38.1	32.5	30.8	29.1	30.8
87.5°	6.8	11.1	15.5	15.1	12.9	11.8	11.8	12.0	12.2	12.2	12.2
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°	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4
2.5°	458.8	450.5	440.8	431.9	423.6	415.5	407.9	400.3	407.9	415.5	423.6
5°	667.0	622.0	569.4	522.4	481.0	443.5	417.7	391.8	417.7	443.5	481.0
7.5°	1118.3	1001.3	860.3	724.3	593.2	481.8	429.2	376.7	429.2	481.8	593.2
10°	1321.1	1223.2	1100.8	925.8	698.2	509.2	436.0	362.7	436.0	509.2	698.2
12.5°	1395.7	1325.1	1239.3	1057.4	779.4	546.1	446.7	347.2	446.7	546.1	779.4
15°	1490.7	1431.4	1361.6	1174.5	870.2	606.4	464.2	322.0	464.2	606.4	870.2
17.5°	1546.5	1490.9	1421.7	1239.3	943.7	674.6	485.3	296.0	485.3	674.6	943.7
20°	1556.0	1509.0	1449.5	1277.1	991.8	722.2	499.8	277.4	499.8	722.2	991.8
22.5°	1546.8	1510.5	1465.5	1304.5	1027.5	757.5	508.9	260.3	508.9	757.5	1027.5
25°	1530.1	1507.0	1478.6	1331.6	1066.1	796.9	516.8	236.6	516.8	796.9	1066.1
27.5°	1498.6	1483.0	1464.4	1327.2	1071.5	805.8	509.8	213.7	509.8	805.8	1071.5
30°	1474.5	1461.8	1448.0	1315.7	1064.8	801.5	500.6	199.8	500.6	801.5	1064.8
32.5°	1455.5	1440.6	1427.5	1297.9	1051.9	791.8	489.6	187.4	489.6	791.8	1051.9
35°	1442.8	1417.8	1397.1	1264.8	1020.9	763.5	466.1	168.7	466.1	763.5	1020.9
37.5°	1448.3	1406.7	1363.4	1219.2	974.0	719.4	436.1	152.8	436.1	719.4	974.0
40°	1446.9	1395.8	1338.1	1185.9	939.4	686.6	415.1	143.5	415.1	686.6	939.4
42.5°	1431.4	1373.1	1305.7	1147.7	899.1	648.3	391.3	134.2	391.3	648.3	899.1
45°	1399.9	1333.1	1253.8	1087.0	832.7	584.2	353.2	122.2	353.2	584.2	832.7
47.5°	1355.3	1286.8	1202.7	1027.7	761.9	512.3	311.6	110.9	311.6	512.3	761.9
50°	1315.5	1249.1	1166.3	987.9	713.8	463.3	284.0	104.7	284.0	463.3	713.8
52.5°	1268.6	1206.2	1128.2	948.4	666.7	415.8	257.1	98.5	257.1	415.8	666.7
55°	1186.6	1132.1	1064.0	885.9	598.0	349.8	220.5	91.2	220.5	349.8	598.0
57.5°	1095.9	1049.6	991.5	819.5	533.6	293.2	188.9	84.6	188.9	293.2	533.6
60°	1030.8	988.5	935.9	770.9	493.3	262.5	172.0	81.5	172.0	262.5	493.3
62.5°	962.3	923.4	874.9	718.1	453.0	234.4	155.6	76.8	155.6	234.4	453.0
65°	851.3	819.1	778.6	637.7	396.3	199.3	135.6	71.8	135.6	199.3	396.3
67.5°	713.6	698.0	672.8	555.0	344.5	173.1	118.9	64.8	118.9	173.1	344.5
70°	603.6	606.4	597.8	500.0	312.9	160.1	110.1	60.1	110.1	160.1	312.9
72.5°	460.4	492.1	511.1	439.8	278.3	146.0	101.5	57.0	101.5	146.0	278.3
75°	217.7	279.3	362.1	343.1	222.4	122.8	86.6	50.4	86.6	122.8	222.4
77.5°	167.2	199.6	243.4	229.0	156.5	95.3	68.2	41.1	68.2	95.3	156.5
80°	136.0	137.1	138.8	127.1	102.2	78.0	56.5	34.9	56.5	78.0	102.2
82.5°	99.8	98.8	97.1	89.2	75.3	60.8	44.7	28.7	44.7	60.8	75.3
85°	32.5	38.1	45.0	46.3	42.0	36.4	26.9	17.5	26.9	36.4	42.0
87.5°	12.0	11.8	11.8	12.9	15.1	15.5	11.1	6.8	11.1	15.3	15.5
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: P1435971

CATALOG NUMBER: SQ2W-FB-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: P1435971

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4	403.4
2.5°	431.9	440.8	450.5	458.8	462.9	467.0	462.9	458.8	450.5	440.8	431.9
5°	522.4	569.4	622.0	667.0	689.4	711.8	689.4	667.0	622.0	569.4	522.4
7.5°	724.3	860.3	1001.3	1118.3	1163.1	1208.0	1163.1	1118.3	1001.3	860.3	724.3
10°	925.8	1100.8	1223.2	1321.1	1345.2	1369.3	1345.2	1321.1	1223.2	1100.8	925.8
12.5°	1057.4	1239.3	1325.1	1395.7	1420.5	1445.4	1420.5	1395.7	1325.1	1239.3	1057.4
15°	1174.5	1361.6	1431.4	1490.7	1518.2	1545.8	1518.2	1490.7	1431.4	1361.6	1174.5
17.5°	1239.3	1421.7	1490.9	1546.5	1561.5	1576.5	1561.5	1546.5	1490.9	1421.7	1239.3
20°	1277.1	1449.5	1509.0	1556.0	1565.4	1574.9	1565.4	1556.0	1509.0	1449.5	1277.1
22.5°	1304.5	1465.5	1510.5	1546.8	1557.0	1567.2	1557.0	1546.8	1510.5	1465.5	1304.5
25°	1331.6	1478.6	1507.0	1530.1	1537.0	1543.9	1537.0	1530.1	1507.0	1478.6	1331.6
27.5°	1327.2	1464.4	1483.0	1498.6	1505.4	1512.1	1505.4	1498.6	1483.0	1464.4	1327.2
30°	1315.7	1448.0	1461.8	1474.5	1484.0	1493.5	1484.0	1474.5	1461.8	1448.0	1315.7
32.5°	1297.9	1427.5	1440.6	1455.5	1476.1	1496.6	1476.1	1455.5	1440.6	1427.5	1297.9
35°	1264.8	1397.1	1417.8	1442.8	1480.7	1518.7	1480.7	1442.8	1417.8	1397.1	1264.8
37.5°	1219.2	1363.4	1406.7	1448.3	1484.8	1521.4	1484.8	1448.3	1406.7	1363.4	1219.2
40°	1185.9	1338.1	1395.8	1446.9	1477.9	1509.0	1477.9	1446.9	1395.8	1338.1	1185.9
42.5°	1147.7	1305.7	1373.1	1431.4	1462.4	1493.5	1462.4	1431.4	1373.1	1305.7	1147.7
45°	1087.0	1253.8	1333.1	1399.9	1429.2	1458.6	1429.2	1399.9	1333.1	1253.8	1087.0
47.5°	1027.7	1202.7	1286.8	1355.3	1376.7	1398.0	1376.7	1355.3	1286.8	1202.7	1027.7
50°	987.9	1166.3	1249.1	1315.5	1332.7	1349.9	1332.7	1315.5	1249.1	1166.3	987.9
52.5°	948.4	1128.2	1206.2	1268.6	1284.4	1300.3	1284.4	1268.6	1206.2	1128.2	948.4
55°	885.9	1064.0	1132.1	1186.6	1200.4	1214.2	1200.4	1186.6	1132.1	1064.0	885.9
57.5°	819.5	991.5	1049.6	1095.9	1107.1	1118.4	1107.1	1095.9	1049.6	991.5	819.5
60°	770.9	935.9	988.5	1030.8	1042.0	1053.2	1042.0	1030.8	988.5	935.9	770.9
62.5°	718.1	874.9	923.4	962.3	972.8	983.4	972.8	962.3	923.4	874.9	718.1
65°	637.7	778.6	819.1	851.3	858.1	865.0	858.1	851.3	819.1	778.6	637.7
67.5°	555.0	672.8	698.0	713.6	700.7	687.8	700.7	713.6	698.0	672.8	555.0
70°	500.0	597.8	606.4	603.6	566.6	529.5	566.6	603.6	606.4	597.8	500.0
72.5°	439.8	511.1	492.1	460.4	390.2	320.0	390.2	460.4	492.1	511.1	439.8
75°	343.1	362.1	279.3	217.7	219.4	221.1	219.4	217.7	279.3	362.1	343.1
77.5°	229.0	243.4	199.6	167.2	168.7	170.3	168.7	167.2	199.6	243.4	229.0
80°	127.1	138.8	137.1	136.0	136.8	137.7	136.8	136.0	137.1	138.8	127.1
82.5°	89.2	97.1	98.8	99.8	98.6	97.4	98.6	99.8	98.8	97.1	89.2
85°	46.3	45.0	38.1	32.5	30.8	29.1	30.8	32.5	38.1	45.0	46.3
87.5°	13.7	13.8	15.2	15.9	16.7	16.3	16.7	15.9	15.2	13.8	13.7
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: P1435971

CATALOG NUMBER: SQ2W-FB-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: P1435971

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	403.4	403.4	403.4	403.4
2.5°	423.6	415.5	407.9	400.3
5°	481.0	443.5	417.7	391.8
7.5°	593.2	481.8	429.2	376.7
10°	698.2	509.2	436.0	362.7
12.5°	779.4	546.1	446.7	347.2
15°	870.2	606.4	464.2	322.0
17.5°	943.7	674.6	485.3	296.0
20°	991.8	722.2	499.8	277.4
22.5°	1027.5	757.5	508.9	260.3
25°	1066.1	796.9	516.8	236.6
27.5°	1071.5	805.8	509.8	213.7
30°	1064.8	801.5	500.6	199.8
32.5°	1051.9	791.8	489.6	187.4
35°	1020.9	763.5	466.1	168.7
37.5°	974.0	719.4	436.1	152.8
40°	939.4	686.6	415.1	143.5
42.5°	899.1	648.3	391.3	134.2
45°	832.7	584.2	353.2	122.2
47.5°	761.9	512.3	311.6	110.9
50°	713.8	463.3	284.0	104.7
52.5°	666.7	415.8	257.1	98.5
55°	598.0	349.8	220.5	91.2
57.5°	533.6	293.2	188.9	84.6
60°	493.3	262.5	172.0	81.5
62.5°	453.0	234.4	155.6	76.8
65°	396.3	199.3	135.6	71.8
67.5°	344.5	173.1	118.9	64.8
70°	312.9	160.1	110.1	60.1
72.5°	278.3	146.0	101.5	57.0
75°	222.4	122.8	86.6	50.4
77.5°	156.5	95.3	68.2	41.1
80°	102.2	78.0	56.5	34.9
82.5°	75.3	60.8	44.7	28.7
85°	42.0	36.4	26.9	17.5
87.5°	15.5	15.3	11.1	6.8
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: P1435971

CATALOG NUMBER: SQ2W-FB-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: P1435971
 CATALOG NUMBER: SQ2W-FB-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	13.39	14.36	14.26	15.26	16.41	22.98	23.95	23.86	24.86	26.01
	3H	14.33	15.20	15.22	16.12	17.29	24.60	25.47	25.49	26.38	27.56
	4H	14.74	15.56	15.64	16.48	17.66	24.78	25.60	25.69	26.52	27.71
	6H	15.00	15.76	15.92	16.68	17.88	24.86	25.62	25.78	26.55	27.74
	8H	15.09	15.82	16.02	16.76	17.96	24.88	25.61	25.81	26.55	27.75
	12H	15.15	15.83	16.08	16.77	17.99	24.86	25.55	25.80	26.49	27.71
4H	2H	18.12	18.94	19.03	19.86	21.05	23.36	24.19	24.27	25.11	26.29
	3H	19.26	19.95	20.18	20.90	22.10	25.26	25.95	26.18	26.90	28.10
	4H	19.55	20.17	20.48	21.12	22.34	25.49	26.11	26.42	27.06	28.28
	6H	19.69	20.23	20.64	21.20	22.42	25.63	26.17	26.57	27.13	28.36
	8H	19.73	20.23	20.68	21.20	22.44	25.67	26.18	26.62	27.14	28.38
	12H	19.74	20.19	20.71	21.17	22.42	25.66	26.11	26.63	27.10	28.34
8H	4H	20.75	21.25	21.70	22.22	23.45	25.59	26.09	26.54	27.05	28.29
	6H	21.01	21.43	21.99	22.43	23.67	25.79	26.21	26.77	27.21	28.45
	8H	21.11	21.48	22.10	22.47	23.73	25.88	26.25	26.87	27.24	28.50
	12H	21.16	21.48	22.15	22.47	23.77	25.89	26.22	26.88	27.20	28.51
12H	4H	20.78	21.23	21.75	22.21	23.46	25.54	26.00	26.52	26.98	28.23
	6H	21.12	21.49	22.11	22.48	23.74	25.77	26.14	26.76	27.14	28.39
	8H	21.26	21.59	22.25	22.57	23.88	25.88	26.20	26.87	27.19	28.49