

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: P1427740

Luminaire Tested: SQ2W-F-K-075U-100D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427740
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-F-K-075U-100D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 750 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

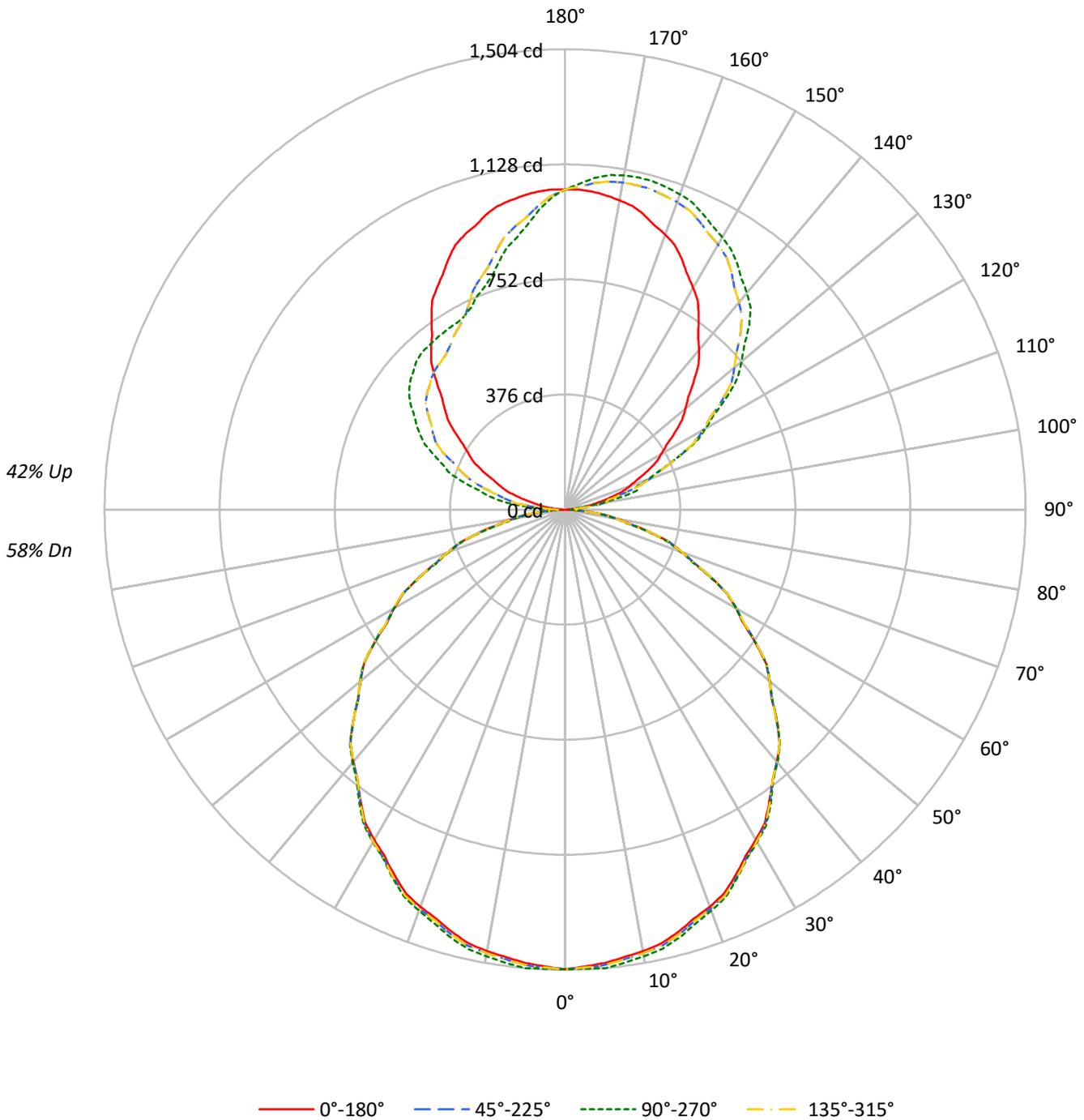
Lumens per Lamp: N/A
Luminaire Lumens: 7286.1 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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

TEST NUMBER: P1427740

CATALOG NUMBER: SQ2W-F-K-075U-100D-L940-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1427740

CATALOG NUMBER: SQ2W-F-K-075U-100D-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	0
RCR																		
0	109	109	109	109	102	102	102	102	88	88	88	75	75	75	64	64	64	58
1	99	95	91	87	92	89	85	82	77	74	72	66	64	62	56	55	53	49
2	90	83	76	71	84	77	72	67	67	63	59	58	54	52	49	47	45	40
3	82	73	65	59	76	68	61	56	59	54	50	51	47	44	43	40	38	34
4	75	64	56	50	70	60	53	47	52	47	42	45	41	37	38	35	32	29
5	69	57	49	43	64	53	46	40	47	41	36	40	36	32	35	31	28	25
6	64	51	43	37	59	48	41	35	42	36	32	37	32	28	31	28	25	22
7	59	46	38	32	55	43	36	31	38	32	28	33	28	25	29	25	22	19
8	55	42	34	29	51	39	32	27	35	29	25	30	26	22	26	22	20	17
9	51	38	31	25	47	36	29	24	32	26	22	28	23	20	24	20	18	15
10	47	35	28	23	44	33	26	22	29	24	20	26	21	18	22	19	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	24251	24251	24251	24251
5°	24103	24377	24103	24377
10°	24018	24295	24018	24295
15°	23886	24187	23886	24187
20°	23735	23972	23735	23972
25°	23480	23686	23480	23686
30°	23231	23388	23231	23388
35°	22933	23079	22933	23079
40°	22672	22739	22672	22739
45°	22340	22340	22340	22340
50°	21893	21946	21893	21946
55°	21379	21407	21379	21407
60°	20802	20802	20802	20802
65°	20126	20045	20126	20045
70°	19175	18977	19175	18977
75°	17885	17486	17885	17486
80°	15937	15146	15937	15146
85°	12745	10782	12745	10782

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 22491 cd/sqm



TEST NUMBER: P1427740

CATALOG NUMBER: SQ2W-F-K-075U-100D-L940-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.1	2.0
10°-20°	406.1	5.6
20°-30°	611.3	8.4
30°-40°	731.0	10.0
40°-50°	754.8	10.4
50°-60°	680.8	9.3
60°-70°	521.5	7.2
70°-80°	301.4	4.1
80°-90°	82.6	1.1
90°-100°	83.3	1.1
100°-110°	242.8	3.3
110°-120°	396.2	5.4
120°-130°	502.8	6.9
130°-140°	538.0	7.4
140°-150°	502.4	6.9
150°-160°	413.4	5.7
160°-170°	277.2	3.8
170°-180°	98.4	1.4
0°-30°	1159.5	15.9
0°-40°	1890.4	25.9
0°-60°	3326.1	45.6
0°-90°	4231.6	58.1
90°-120°	722.3	9.9
90°-150°	2265.4	31.1
90°-180°	3054.0	41.9
0°-180°	7286.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1502	1502	1502	1502	1502	
5°	1487	1504	1487	1504	1487	141
15°	1429	1447	1429	1447	1429	403
25°	1318	1330	1318	1330	1318	607
35°	1164	1171	1164	1171	1164	728
45°	978	978	978	978	978	754
55°	760	760	760	760	760	679
65°	527	525	527	525	527	521
75°	287	280	287	280	287	304
85°	69	58	69	58	69	80
90°	3	23	3	45	3	5
95°	33	24	33	143	33	40
105°	154	247	154	340	154	164
115°	296	410	296	505	296	292
125°	438	650	438	619	438	391
135°	595	851	595	686	595	460
145°	760	981	760	701	760	475
155°	902	1065	902	727	902	415
165°	998	1111	998	837	998	281
175°	1043	1087	1043	982	1043	99
180°	1046	1046	1046	1046	1046	



TEST NUMBER: P1427740

CATALOG NUMBER: SQ2W-F-K-075U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0
2.5°	1494.4	1501.6	1508.7	1505.7	1499.3	1496.9	1498.4	1499.7	1500.4	1501.2	1500.4
5°	1487.2	1496.6	1506.0	1502.7	1495.2	1491.9	1492.9	1494.7	1499.4	1504.1	1499.4
7.5°	1475.2	1484.6	1494.0	1491.0	1483.8	1480.8	1481.9	1484.0	1488.9	1493.8	1488.9
10°	1465.0	1474.4	1483.8	1480.5	1473.0	1470.2	1472.1	1474.4	1478.2	1481.9	1478.2
12.5°	1452.3	1461.7	1471.1	1468.4	1461.6	1458.8	1459.9	1461.8	1465.9	1470.1	1465.9
15°	1429.0	1438.4	1447.8	1445.3	1438.7	1436.1	1437.5	1439.5	1443.3	1447.0	1443.3
17.5°	1400.9	1409.7	1418.6	1416.2	1410.1	1407.8	1409.4	1411.5	1414.8	1418.0	1414.8
20°	1381.4	1389.9	1398.4	1395.9	1389.8	1387.0	1387.4	1388.6	1391.9	1395.2	1391.9
22.5°	1357.8	1366.2	1374.7	1372.5	1366.8	1363.4	1362.3	1362.6	1366.6	1370.7	1366.6
25°	1318.0	1326.4	1334.9	1333.1	1328.0	1324.7	1323.3	1323.0	1326.3	1329.6	1326.3
27.5°	1276.5	1283.6	1290.6	1289.1	1284.8	1282.2	1281.2	1281.1	1283.5	1285.8	1283.5
30°	1246.1	1253.1	1260.2	1258.4	1253.7	1250.9	1249.9	1249.8	1252.2	1254.5	1252.2
32.5°	1213.9	1220.6	1227.2	1224.8	1219.4	1216.6	1216.4	1216.9	1219.6	1222.4	1219.6
35°	1163.5	1169.2	1174.8	1172.4	1167.2	1164.8	1165.3	1166.2	1168.6	1170.9	1168.6
37.5°	1113.0	1117.3	1121.6	1119.1	1114.3	1111.9	1111.8	1112.2	1114.2	1116.2	1114.2
40°	1075.7	1080.5	1085.2	1082.4	1077.3	1074.5	1074.0	1074.2	1076.6	1078.9	1076.6
42.5°	1037.7	1041.2	1044.8	1042.4	1038.0	1035.9	1036.2	1036.7	1037.9	1039.2	1037.9
45°	978.4	981.7	985.0	982.7	978.4	976.3	976.3	976.6	977.5	978.4	977.5
47.5°	916.4	919.0	921.5	919.7	916.4	914.5	913.9	913.9	915.4	916.9	915.4
50°	871.6	874.9	878.2	876.5	873.2	871.1	870.2	870.0	871.8	873.7	871.8
52.5°	827.6	831.3	834.9	833.4	830.1	827.8	826.5	825.9	827.4	828.9	827.4
55°	759.5	763.7	767.9	766.9	764.1	761.7	759.8	758.7	759.6	760.5	759.6
57.5°	689.9	694.0	698.2	697.4	694.9	692.6	690.3	688.9	690.3	691.6	690.3
60°	644.2	647.9	651.7	650.5	647.7	645.4	643.5	642.3	643.2	644.2	643.2
62.5°	597.6	601.4	605.2	603.7	600.5	598.0	596.1	594.9	595.9	596.8	595.9
65°	526.8	530.1	533.3	532.1	529.2	526.9	525.0	523.7	524.2	524.7	524.2
67.5°	455.3	458.1	460.9	459.6	456.8	454.1	451.4	449.5	450.3	451.0	450.3
70°	406.2	409.0	411.8	410.8	408.4	406.1	403.7	402.0	402.0	402.0	402.0
72.5°	358.8	361.2	363.7	362.3	359.5	357.2	355.2	353.7	353.7	353.7	353.7
75°	286.7	288.1	289.5	288.8	287.4	285.5	283.1	281.2	280.8	280.3	280.8
77.5°	217.1	217.1	217.1	215.7	213.9	212.1	210.4	208.9	208.3	207.7	208.3
80°	171.4	171.4	171.4	170.3	168.9	167.5	166.1	164.8	163.8	162.9	163.8
82.5°	129.0	128.3	127.5	126.3	124.9	123.1	120.9	119.6	120.5	121.4	120.5
85°	68.8	67.8	66.9	65.6	64.2	62.5	60.6	59.1	58.6	58.2	58.6
87.5°	21.8	21.9	22.2	22.0	21.5	20.4	18.9	17.9	17.7	17.3	17.7
90°	3.2	7.4	12.7	16.9	20.1	21.1	21.1	22.2	23.2	23.2	23.2
92.5°	11.6	18.4	18.6	18.6	22.6	24.5	26.2	26.4	27.5	27.5	27.5
95°	32.8	35.9	53.9	52.8	35.9	28.5	24.3	24.3	24.3	24.3	24.3
97.5°	62.6	67.2	70.2	94.0	99.3	95.9	78.2	65.7	58.8	55.6	58.8
100°	88.8	90.9	97.2	98.3	124.7	150.0	137.4	121.5	116.2	113.1	116.2
102.5°	115.0	116.2	126.0	130.4	136.5	150.9	194.9	190.0	186.4	185.8	186.4
105°	154.3	155.3	173.3	181.7	186.0	186.0	184.9	206.1	239.9	247.3	239.9
107.5°	196.3	201.2	222.3	244.9	249.8	251.1	245.6	242.4	241.1	242.0	241.1
110°	225.1	232.5	257.8	286.4	293.8	295.9	293.8	290.6	288.5	288.5	288.5



TEST NUMBER: P1427740

CATALOG NUMBER: SQ2W-F-K-075U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	253.0	263.7	292.5	325.2	337.7	344.1	339.4	337.1	335.0	336.7	335.0
115°	295.9	311.7	349.8	383.6	408.9	412.1	411.0	411.0	410.0	410.0	410.0
117.5°	335.6	361.0	403.7	443.0	472.3	480.8	485.0	483.7	482.5	484.6	482.5
120°	363.5	393.1	441.7	486.1	514.6	527.3	531.5	529.4	531.5	529.4	531.5
122.5°	393.1	429.4	477.2	523.3	556.9	571.2	576.3	576.7	577.2	575.9	577.2
125°	437.5	481.8	537.8	585.4	620.3	637.2	641.4	642.5	644.6	649.9	644.6
127.5°	482.3	532.6	594.1	639.9	675.6	696.1	702.7	705.0	709.5	711.8	709.5
130°	513.5	570.6	632.9	676.3	711.1	733.3	745.0	748.1	753.4	752.4	753.4
132.5°	546.5	606.1	669.3	714.3	746.6	770.5	780.5	789.5	791.5	792.9	791.5
135°	594.9	659.4	722.8	767.1	797.8	821.0	833.7	842.2	847.5	850.6	847.5
137.5°	645.8	713.9	774.8	814.3	845.1	865.2	879.6	888.5	893.9	896.5	893.9
140°	680.5	746.0	805.2	846.4	873.9	893.9	906.6	917.2	923.5	923.5	923.5
142.5°	713.5	778.1	835.6	876.8	900.9	919.3	932.8	940.9	948.0	948.0	948.0
145°	759.7	824.2	877.0	918.3	938.3	955.2	970.0	976.4	980.6	980.6	980.6
147.5°	808.1	865.2	913.4	952.9	969.8	989.7	1001.3	1006.4	1011.7	1009.3	1011.7
150°	836.9	889.7	936.2	973.2	990.1	1009.1	1020.7	1025.0	1030.3	1027.1	1030.3
152.5°	864.8	915.1	957.3	991.8	1006.2	1025.2	1038.5	1042.7	1046.3	1044.0	1046.3
155°	902.4	946.8	985.9	1017.6	1030.3	1048.2	1060.9	1066.2	1070.4	1065.1	1070.4
157.5°	936.0	974.3	1008.3	1037.4	1051.0	1066.4	1078.2	1084.8	1089.0	1086.7	1089.0
160°	956.3	991.2	1021.8	1049.3	1062.0	1075.7	1088.4	1095.8	1100.0	1096.8	1100.0
162.5°	973.2	1004.7	1033.6	1058.6	1069.6	1081.6	1096.8	1103.4	1107.6	1103.6	1107.6
165°	997.5	1022.9	1048.2	1069.4	1078.9	1088.4	1104.2	1111.6	1114.8	1110.6	1114.8
167.5°	1015.9	1035.3	1055.8	1074.0	1081.0	1090.3	1106.1	1112.3	1116.3	1111.0	1116.3
170°	1026.0	1042.9	1060.9	1075.7	1081.0	1089.4	1105.3	1110.6	1113.7	1108.5	1113.7
172.5°	1034.5	1047.2	1061.7	1074.9	1077.6	1084.4	1099.4	1104.6	1107.0	1102.5	1107.0
175°	1042.9	1050.3	1060.9	1069.4	1068.3	1072.5	1085.2	1089.4	1093.7	1087.3	1093.7
177.5°	1047.0	1050.3	1053.7	1058.8	1055.4	1055.4	1064.7	1067.2	1068.1	1064.7	1068.1
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



TEST NUMBER: P1427740

CATALOG NUMBER: SQ2W-F-K-075U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0
2.5°	1499.7	1498.4	1496.9	1499.3	1505.7	1508.7	1501.6	1494.4	1501.6	1508.7	1505.7
5°	1494.7	1492.9	1491.9	1495.2	1502.7	1506.0	1496.6	1487.2	1496.6	1506.0	1502.7
7.5°	1484.0	1481.9	1480.8	1483.8	1491.0	1494.0	1484.6	1475.2	1484.6	1494.0	1491.0
10°	1474.4	1472.1	1470.2	1473.0	1480.5	1483.8	1474.4	1465.0	1474.4	1483.8	1480.5
12.5°	1461.8	1459.9	1458.8	1461.6	1468.4	1471.1	1461.7	1452.3	1461.7	1471.1	1468.4
15°	1439.5	1437.5	1436.1	1438.7	1445.3	1447.8	1438.4	1429.0	1438.4	1447.8	1445.3
17.5°	1411.5	1409.4	1407.8	1410.1	1416.2	1418.6	1409.7	1400.9	1409.7	1418.6	1416.2
20°	1388.6	1387.4	1387.0	1389.8	1395.9	1398.4	1389.9	1381.4	1389.9	1398.4	1395.9
22.5°	1362.6	1362.3	1363.4	1366.8	1372.5	1374.7	1366.2	1357.8	1366.2	1374.7	1372.5
25°	1323.0	1323.3	1324.7	1328.0	1333.1	1334.9	1326.4	1318.0	1326.4	1334.9	1333.1
27.5°	1281.1	1281.2	1282.2	1284.8	1289.1	1290.6	1283.6	1276.5	1283.6	1290.6	1289.1
30°	1249.8	1249.9	1250.9	1253.7	1258.4	1260.2	1253.1	1246.1	1253.1	1260.2	1258.4
32.5°	1216.9	1216.4	1216.6	1219.4	1224.8	1227.2	1220.6	1213.9	1220.6	1227.2	1224.8
35°	1166.2	1165.3	1164.8	1167.2	1172.4	1174.8	1169.2	1163.5	1169.2	1174.8	1172.4
37.5°	1112.2	1111.8	1111.9	1114.3	1119.1	1121.6	1117.3	1113.0	1117.3	1121.6	1119.1
40°	1074.2	1074.0	1074.5	1077.3	1082.4	1085.2	1080.5	1075.7	1080.5	1085.2	1082.4
42.5°	1036.7	1036.2	1035.9	1038.0	1042.4	1044.8	1041.2	1037.7	1041.2	1044.8	1042.4
45°	976.6	976.3	976.3	978.4	982.7	985.0	981.7	978.4	981.7	985.0	982.7
47.5°	913.9	913.9	914.5	916.4	919.7	921.5	919.0	916.4	919.0	921.5	919.7
50°	870.0	870.2	871.1	873.2	876.5	878.2	874.9	871.6	874.9	878.2	876.5
52.5°	825.9	826.5	827.8	830.1	833.4	834.9	831.3	827.6	831.3	834.9	833.4
55°	758.7	759.8	761.7	764.1	766.9	767.9	763.7	759.5	763.7	767.9	766.9
57.5°	688.9	690.3	692.6	694.9	697.4	698.2	694.0	689.9	694.0	698.2	697.4
60°	642.3	643.5	645.4	647.7	650.5	651.7	647.9	644.2	647.9	651.7	650.5
62.5°	594.9	596.1	598.0	600.5	603.7	605.2	601.4	597.6	601.4	605.2	603.7
65°	523.7	525.0	526.9	529.2	532.1	533.3	530.1	526.8	530.1	533.3	532.1
67.5°	449.5	451.4	454.1	456.8	459.6	460.9	458.1	455.3	458.1	460.9	459.6
70°	402.0	403.7	406.1	408.4	410.8	411.8	409.0	406.2	409.0	411.8	410.8
72.5°	353.7	355.2	357.2	359.5	362.3	363.7	361.2	358.8	361.2	363.7	362.3
75°	281.2	283.1	285.5	287.4	288.8	289.5	288.1	286.7	288.1	289.5	288.8
77.5°	208.9	210.4	212.1	213.9	215.7	217.1	217.1	217.1	217.1	217.1	215.7
80°	164.8	166.1	167.5	168.9	170.3	171.4	171.4	171.4	171.4	171.4	170.3
82.5°	119.6	120.9	123.1	124.9	126.3	127.5	128.3	129.0	128.3	127.5	126.3
85°	59.1	60.6	62.5	64.2	65.6	66.9	67.8	68.8	67.8	66.9	65.6
87.5°	17.9	18.9	20.4	21.5	22.0	22.2	21.9	21.8	21.9	22.0	22.4
90°	22.2	21.1	21.1	20.1	16.9	12.7	7.4	3.2	7.4	11.6	19.0
92.5°	26.4	26.2	24.5	22.6	18.6	18.6	18.4	11.6	20.1	28.5	41.0
95°	24.3	24.3	28.5	35.9	52.8	53.9	35.9	32.8	46.5	65.5	82.4
97.5°	65.7	78.2	95.9	99.3	94.0	70.2	67.2	62.6	85.2	104.0	131.2
100°	121.5	137.4	150.0	124.7	98.3	97.2	90.9	88.8	113.1	131.0	157.4
102.5°	190.0	194.9	150.9	136.5	130.4	126.0	116.2	115.0	139.3	164.0	186.2
105°	206.1	184.9	186.0	186.0	181.7	173.3	155.3	154.3	181.7	210.3	237.8
107.5°	242.4	245.6	251.1	249.8	244.9	222.3	201.2	196.3	221.1	255.3	285.5
110°	290.6	293.8	295.9	293.8	286.4	257.8	232.5	225.1	247.3	283.2	315.9



TEST NUMBER: P1427740

CATALOG NUMBER: SQ2W-F-K-075U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	337.1	339.4	344.1	337.7	325.2	292.5	263.7	253.0	275.2	311.9	345.5
115°	411.0	411.0	412.1	408.9	383.6	349.8	311.7	295.9	314.9	348.7	385.7
117.5°	483.7	485.0	480.8	472.3	443.0	403.7	361.0	335.6	350.6	386.3	424.4
120°	529.4	531.5	527.3	514.6	486.1	441.7	393.1	363.5	375.1	410.0	448.0
122.5°	576.7	576.3	571.2	556.9	523.3	477.2	429.4	393.1	397.9	430.3	467.5
125°	642.5	641.4	637.2	620.3	585.4	537.8	481.8	437.5	431.1	458.6	496.6
127.5°	705.0	702.7	696.1	675.6	639.9	594.1	532.6	482.3	468.1	485.4	520.3
130°	748.1	745.0	733.3	711.1	676.3	632.9	570.6	513.5	493.5	504.0	534.7
132.5°	789.5	780.5	770.5	746.6	714.3	669.3	606.1	546.5	518.8	523.5	547.4
135°	842.2	833.7	821.0	797.8	767.1	722.8	659.4	594.9	556.9	552.6	566.4
137.5°	888.5	879.6	865.2	845.1	814.3	774.8	713.9	645.8	597.9	583.7	589.0
140°	917.2	906.6	893.9	873.9	846.4	805.2	746.0	680.5	626.6	606.5	603.4
142.5°	940.9	932.8	919.3	900.9	876.8	835.6	778.1	713.5	656.2	630.2	622.8
145°	976.4	970.0	955.2	938.3	918.3	877.0	824.2	759.7	702.7	668.9	653.0
147.5°	1006.4	1001.3	989.7	969.8	952.9	913.4	865.2	808.1	749.6	707.8	687.3
150°	1025.0	1020.7	1009.1	990.1	973.2	936.2	889.7	836.9	780.9	736.5	710.1
152.5°	1042.7	1038.5	1025.2	1006.2	991.8	957.3	915.1	864.8	807.9	763.6	736.3
155°	1066.2	1060.9	1048.2	1030.3	1017.6	985.9	946.8	902.4	853.8	807.3	776.7
157.5°	1084.8	1078.2	1066.4	1051.0	1037.4	1008.3	974.3	936.0	893.5	849.1	817.9
160°	1095.8	1088.4	1075.7	1062.0	1049.3	1021.8	991.2	956.3	917.2	877.0	843.2
162.5°	1103.4	1096.8	1081.6	1069.6	1058.6	1033.6	1004.7	973.2	938.3	903.2	872.0
165°	1111.6	1104.2	1088.4	1078.9	1069.4	1048.2	1022.9	997.5	967.9	939.4	914.0
167.5°	1112.3	1106.1	1090.3	1081.0	1074.0	1055.8	1035.3	1015.9	992.9	970.5	949.3
170°	1110.6	1105.3	1089.4	1081.0	1075.7	1060.9	1042.9	1026.0	1008.1	989.0	972.1
172.5°	1104.6	1099.4	1084.4	1077.6	1074.9	1061.7	1047.2	1034.5	1019.1	1005.1	991.6
175°	1089.4	1085.2	1072.5	1068.3	1069.4	1060.9	1050.3	1042.9	1033.4	1025.0	1017.6
177.5°	1067.2	1064.7	1055.4	1055.4	1058.8	1053.7	1050.3	1047.0	1042.7	1040.2	1037.7
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



TEST NUMBER: P1427740

CATALOG NUMBER: SQ2W-F-K-075U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0	1502.0
2.5°	1499.3	1496.9	1498.4	1499.7	1500.4	1501.2	1500.4	1499.7	1498.4	1496.9	1499.3
5°	1495.2	1491.9	1492.9	1494.7	1499.4	1504.1	1499.4	1494.7	1492.9	1491.9	1495.2
7.5°	1483.8	1480.8	1481.9	1484.0	1488.9	1493.8	1488.9	1484.0	1481.9	1480.8	1483.8
10°	1473.0	1470.2	1472.1	1474.4	1478.2	1481.9	1478.2	1474.4	1472.1	1470.2	1473.0
12.5°	1461.6	1458.8	1459.9	1461.8	1465.9	1470.1	1465.9	1461.8	1459.9	1458.8	1461.6
15°	1438.7	1436.1	1437.5	1439.5	1443.3	1447.0	1443.3	1439.5	1437.5	1436.1	1438.7
17.5°	1410.1	1407.8	1409.4	1411.5	1414.8	1418.0	1414.8	1411.5	1409.4	1407.8	1410.1
20°	1389.8	1387.0	1387.4	1388.6	1391.9	1395.2	1391.9	1388.6	1387.4	1387.0	1389.8
22.5°	1366.8	1363.4	1362.3	1362.6	1366.6	1370.7	1366.6	1362.6	1362.3	1363.4	1366.8
25°	1328.0	1324.7	1323.3	1323.0	1326.3	1329.6	1326.3	1323.0	1323.3	1324.7	1328.0
27.5°	1284.8	1282.2	1281.2	1281.1	1283.5	1285.8	1283.5	1281.1	1281.2	1282.2	1284.8
30°	1253.7	1250.9	1249.9	1249.8	1252.2	1254.5	1252.2	1249.8	1249.9	1250.9	1253.7
32.5°	1219.4	1216.6	1216.4	1216.9	1219.6	1222.4	1219.6	1216.9	1216.4	1216.6	1219.4
35°	1167.2	1164.8	1165.3	1166.2	1168.6	1170.9	1168.6	1166.2	1165.3	1164.8	1167.2
37.5°	1114.3	1111.9	1111.8	1112.2	1114.2	1116.2	1114.2	1112.2	1111.8	1111.9	1114.3
40°	1077.3	1074.5	1074.0	1074.2	1076.6	1078.9	1076.6	1074.2	1074.0	1074.5	1077.3
42.5°	1038.0	1035.9	1036.2	1036.7	1037.9	1039.2	1037.9	1036.7	1036.2	1035.9	1038.0
45°	978.4	976.3	976.3	976.6	977.5	978.4	977.5	976.6	976.3	976.3	978.4
47.5°	916.4	914.5	913.9	913.9	915.4	916.9	915.4	913.9	913.9	914.5	916.4
50°	873.2	871.1	870.2	870.0	871.8	873.7	871.8	870.0	870.2	871.1	873.2
52.5°	830.1	827.8	826.5	825.9	827.4	828.9	827.4	825.9	826.5	827.8	830.1
55°	764.1	761.7	759.8	758.7	759.6	760.5	759.6	758.7	759.8	761.7	764.1
57.5°	694.9	692.6	690.3	688.9	690.3	691.6	690.3	688.9	690.3	692.6	694.9
60°	647.7	645.4	643.5	642.3	643.2	644.2	643.2	642.3	643.5	645.4	647.7
62.5°	600.5	598.0	596.1	594.9	595.9	596.8	595.9	594.9	596.1	598.0	600.5
65°	529.2	526.9	525.0	523.7	524.2	524.7	524.2	523.7	525.0	526.9	529.2
67.5°	456.8	454.1	451.4	449.5	450.3	451.0	450.3	449.5	451.4	454.1	456.8
70°	408.4	406.1	403.7	402.0	402.0	402.0	402.0	402.0	403.7	406.1	408.4
72.5°	359.5	357.2	355.2	353.7	353.7	353.7	353.7	353.7	355.2	357.2	359.5
75°	287.4	285.5	283.1	281.2	280.8	280.3	280.8	281.2	283.1	285.5	287.4
77.5°	213.9	212.1	210.4	208.9	208.3	207.7	208.3	208.9	210.4	212.1	213.9
80°	168.9	167.5	166.1	164.8	163.8	162.9	163.8	164.8	166.1	167.5	168.9
82.5°	124.9	123.1	120.9	119.6	120.5	121.4	120.5	119.6	120.9	123.1	124.9
85°	64.2	62.5	60.6	59.1	58.6	58.2	58.6	59.1	60.6	62.5	64.2
87.5°	22.3	22.5	22.5	22.1	22.6	21.8	22.6	22.1	22.5	22.5	22.3
90°	24.3	31.7	39.1	43.3	47.6	45.4	47.6	43.3	39.1	31.7	24.3
92.5°	48.8	61.3	70.4	78.0	81.4	80.9	81.4	78.0	70.4	61.3	48.8
95°	98.3	113.1	127.9	138.4	144.8	142.7	144.8	138.4	127.9	113.1	98.3
97.5°	151.5	171.4	187.9	197.8	204.1	208.4	204.1	197.8	187.9	171.4	151.5
100°	187.0	206.1	225.1	236.7	247.3	251.5	247.3	236.7	225.1	206.1	187.0
102.5°	215.8	240.7	261.4	273.9	282.8	287.0	282.8	273.9	261.4	240.7	215.8
105°	263.1	289.5	311.7	327.6	337.1	340.2	337.1	327.6	311.7	289.5	263.1
107.5°	310.5	337.7	358.2	375.8	387.4	394.1	387.4	375.8	358.2	337.7	310.5
110°	347.6	369.8	392.0	407.9	419.5	423.7	419.5	407.9	392.0	369.8	347.6



TEST NUMBER: P1427740

CATALOG NUMBER: SQ2W-F-K-075U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	378.9	403.7	425.8	441.7	455.0	460.9	455.0	441.7	425.8	403.7	378.9
115°	422.7	455.4	475.5	490.3	499.8	505.1	499.8	490.3	475.5	455.4	422.7
117.5°	459.0	493.3	515.2	526.6	531.1	534.9	531.1	526.6	515.2	493.3	459.0
120°	481.8	513.5	538.9	553.7	559.0	561.1	559.0	553.7	538.9	513.5	481.8
122.5°	503.0	533.0	557.5	575.7	584.3	586.5	584.3	575.7	557.5	533.0	503.0
125°	532.6	561.1	586.5	604.4	613.9	619.2	613.9	604.4	586.5	561.1	532.6
127.5°	558.3	589.2	612.4	628.7	638.0	642.2	638.0	628.7	612.4	589.2	558.3
130°	572.7	604.4	627.7	645.6	654.1	658.3	654.1	645.6	627.7	604.4	572.7
132.5°	583.7	617.1	641.2	657.5	666.8	671.0	666.8	657.5	641.2	617.1	583.7
135°	597.0	631.9	657.3	673.1	681.6	685.8	681.6	673.1	657.3	631.9	597.0
137.5°	608.6	640.3	666.8	683.5	691.1	693.8	691.1	683.5	666.8	640.3	608.6
140°	617.1	644.6	671.0	686.8	695.3	696.3	695.3	686.8	671.0	644.6	617.1
142.5°	628.1	649.6	672.7	688.5	697.0	698.9	697.0	688.5	672.7	649.6	628.1
145°	647.7	660.4	676.3	691.1	698.5	700.6	698.5	691.1	676.3	660.4	647.7
147.5°	672.5	676.5	684.7	694.4	701.6	703.1	701.6	694.4	684.7	676.5	672.5
150°	691.1	690.0	693.2	699.5	705.9	704.8	705.9	699.5	693.2	690.0	691.1
152.5°	712.2	706.1	705.9	708.8	711.8	711.6	711.8	708.8	705.9	706.1	712.2
155°	748.1	736.5	730.2	728.0	728.0	727.0	728.0	728.0	730.2	736.5	748.1
157.5°	787.6	771.4	761.9	756.8	755.3	753.0	755.3	756.8	761.9	771.4	787.6
160°	814.7	796.7	787.2	778.8	775.6	772.4	775.6	778.8	787.2	796.7	814.7
162.5°	840.1	822.9	812.6	805.0	801.8	796.9	801.8	805.0	812.6	822.9	840.1
165°	881.3	863.3	851.7	845.3	841.1	836.9	841.1	845.3	851.7	863.3	881.3
167.5°	922.5	902.8	895.2	888.0	884.0	876.4	884.0	888.0	895.2	902.8	922.5
170°	947.8	929.9	925.6	919.3	911.9	903.5	911.9	919.3	925.6	929.9	947.8
172.5°	969.8	957.8	953.5	947.2	944.9	938.1	944.9	947.2	953.5	957.8	969.8
175°	1001.7	992.2	992.2	991.2	988.0	981.7	988.0	991.2	992.2	992.2	1001.7
177.5°	1028.4	1023.3	1026.7	1026.7	1025.8	1019.9	1025.8	1026.7	1026.7	1023.3	1028.4
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



TEST NUMBER: P1427740

CATALOG NUMBER: SQ2W-F-K-075U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1502.0	1502.0	1502.0	1502.0
2.5°	1505.7	1508.7	1501.6	1494.4
5°	1502.7	1506.0	1496.6	1487.2
7.5°	1491.0	1494.0	1484.6	1475.2
10°	1480.5	1483.8	1474.4	1465.0
12.5°	1468.4	1471.1	1461.7	1452.3
15°	1445.3	1447.8	1438.4	1429.0
17.5°	1416.2	1418.6	1409.7	1400.9
20°	1395.9	1398.4	1389.9	1381.4
22.5°	1372.5	1374.7	1366.2	1357.8
25°	1333.1	1334.9	1326.4	1318.0
27.5°	1289.1	1290.6	1283.6	1276.5
30°	1258.4	1260.2	1253.1	1246.1
32.5°	1224.8	1227.2	1220.6	1213.9
35°	1172.4	1174.8	1169.2	1163.5
37.5°	1119.1	1121.6	1117.3	1113.0
40°	1082.4	1085.2	1080.5	1075.7
42.5°	1042.4	1044.8	1041.2	1037.7
45°	982.7	985.0	981.7	978.4
47.5°	919.7	921.5	919.0	916.4
50°	876.5	878.2	874.9	871.6
52.5°	833.4	834.9	831.3	827.6
55°	766.9	767.9	763.7	759.5
57.5°	697.4	698.2	694.0	689.9
60°	650.5	651.7	647.9	644.2
62.5°	603.7	605.2	601.4	597.6
65°	532.1	533.3	530.1	526.8
67.5°	459.6	460.9	458.1	455.3
70°	410.8	411.8	409.0	406.2
72.5°	362.3	363.7	361.2	358.8
75°	288.8	289.5	288.1	286.7
77.5°	215.7	217.1	217.1	217.1
80°	170.3	171.4	171.4	171.4
82.5°	126.3	127.5	128.3	129.0
85°	65.6	66.9	67.8	68.8
87.5°	22.4	22.0	21.9	21.8
90°	19.0	11.6	7.4	3.2
92.5°	41.0	28.5	20.1	11.6
95°	82.4	65.5	46.5	32.8
97.5°	131.2	104.0	85.2	62.6
100°	157.4	131.0	113.1	88.8
102.5°	186.2	164.0	139.3	115.0
105°	237.8	210.3	181.7	154.3
107.5°	285.5	255.3	221.1	196.3
110°	315.9	283.2	247.3	225.1

TEST NUMBER: P1427740

CATALOG NUMBER: SQ2W-F-K-075U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	345.5	311.9	275.2	253.0
115°	385.7	348.7	314.9	295.9
117.5°	424.4	386.3	350.6	335.6
120°	448.0	410.0	375.1	363.5
122.5°	467.5	430.3	397.9	393.1
125°	496.6	458.6	431.1	437.5
127.5°	520.3	485.4	468.1	482.3
130°	534.7	504.0	493.5	513.5
132.5°	547.4	523.5	518.8	546.5
135°	566.4	552.6	556.9	594.9
137.5°	589.0	583.7	597.9	645.8
140°	603.4	606.5	626.6	680.5
142.5°	622.8	630.2	656.2	713.5
145°	653.0	668.9	702.7	759.7
147.5°	687.3	707.8	749.6	808.1
150°	710.1	736.5	780.9	836.9
152.5°	736.3	763.6	807.9	864.8
155°	776.7	807.3	853.8	902.4
157.5°	817.9	849.1	893.5	936.0
160°	843.2	877.0	917.2	956.3
162.5°	872.0	903.2	938.3	973.2
165°	914.0	939.4	967.9	997.5
167.5°	949.3	970.5	992.9	1015.9
170°	972.1	989.0	1008.1	1026.0
172.5°	991.6	1005.1	1019.1	1034.5
175°	1017.6	1025.0	1033.4	1042.9
177.5°	1037.7	1040.2	1042.7	1047.0
180°	1046.1	1046.1	1046.1	1046.1



TEST NUMBER: P1427740

CATALOG NUMBER: SQ2W-F-K-075U-100D-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	19.65	20.60	20.53	21.51	22.66	19.57	20.52	20.45	21.42	22.57
	3H	21.45	22.30	22.34	23.22	24.39	21.35	22.20	22.24	23.12	24.29
	4H	22.15	22.96	23.06	23.88	25.06	22.03	22.84	22.94	23.76	24.95
	6H	22.59	23.34	23.51	24.26	25.46	22.45	23.20	23.37	24.12	25.32
	8H	22.75	23.46	23.68	24.41	25.60	22.60	23.31	23.53	24.25	25.45
	12H	22.84	23.52	23.77	24.46	25.68	22.66	23.34	23.60	24.28	25.50
4H	2H	20.24	21.05	21.16	21.97	23.16	20.18	20.99	21.09	21.91	23.09
	3H	22.27	22.95	23.20	23.90	25.10	22.18	22.86	23.10	23.81	25.01
	4H	23.09	23.71	24.03	24.65	25.88	22.98	23.60	23.91	24.54	25.77
	6H	23.65	24.18	24.60	25.15	26.38	23.51	24.04	24.46	25.01	26.23
	8H	23.86	24.36	24.82	25.33	26.57	23.70	24.20	24.66	25.17	26.41
	12H	23.98	24.43	24.95	25.41	26.66	23.80	24.25	24.77	25.23	26.47
8H	4H	23.34	23.84	24.29	24.80	26.04	23.24	23.74	24.20	24.71	25.95
	6H	24.04	24.45	25.01	25.45	26.69	23.90	24.32	24.88	25.32	26.56
	8H	24.34	24.71	25.33	25.70	26.96	24.18	24.55	25.17	25.54	26.80
	12H	24.53	24.85	25.52	25.84	27.14	24.34	24.66	25.33	25.65	26.95
12H	4H	23.34	23.79	24.31	24.77	26.02	23.25	23.70	24.22	24.68	25.92
	6H	24.09	24.45	25.07	25.45	26.70	23.96	24.33	24.95	25.32	26.58
	8H	24.42	24.75	25.42	25.73	27.04	24.27	24.60	25.26	25.58	26.88