

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1435797

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

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2024
Report Number: P1435797
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-075D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ASYMMETRIC ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 750 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

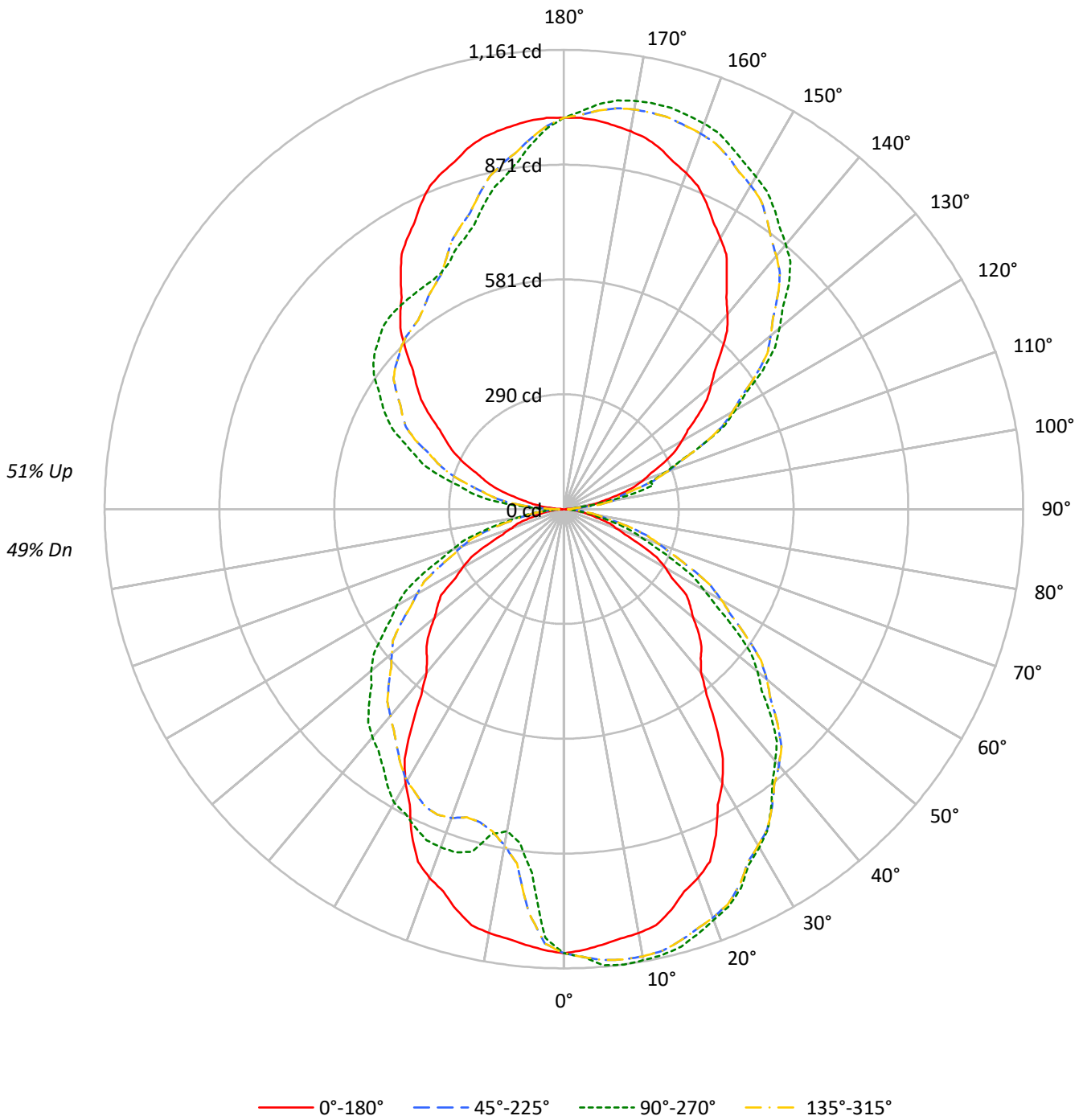
Lumens per Lamp: N/A
Luminaire Lumens: 5680.4 lumens
Efficiency: N/A
Efficacy: 112.9 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 50.3
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1435797

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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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	55	55	55	49
1	98	93	90	86	90	86	83	80	73	70	68	60	59	57	49	48	47	42
2	89	82	76	70	82	75	70	66	64	60	57	53	50	48	43	41	40	35
3	81	72	64	59	75	66	60	55	56	52	48	47	43	41	38	36	34	30
4	74	63	56	50	68	59	52	47	50	45	41	42	38	35	34	31	29	25
5	68	57	48	42	63	52	45	40	45	39	35	38	33	30	31	28	25	22
6	63	51	43	37	58	47	40	35	40	35	30	34	30	26	28	25	22	19
7	58	46	38	32	53	43	35	30	36	31	27	31	26	23	26	22	20	17
8	54	41	34	28	49	39	32	27	33	28	24	28	24	21	23	20	18	15
9	50	38	30	25	46	35	29	24	30	25	21	26	22	19	22	18	16	14
10	47	35	27	23	43	32	26	22	28	23	19	24	20	17	20	17	14	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	18130	18130	18130	18130
5°	17917	18763	17917	14954
10°	17839	18980	17839	13558
15°	17532	19134	17532	14987
20°	17049	18994	17049	15630
25°	16206	18841	16206	15818
30°	14930	18420	14930	15985
35°	13212	18015	13212	15699
40°	11375	17521	11375	15871
45°	11229	16894	11229	15901
50°	10713	16071	10713	15962
55°	10660	14823	10660	15806
60°	9558	13210	9558	15742
65°	8149	11641	8149	15297
70°	6576	9861	6576	14176
75°	5702	8147	5702	13032
80°	4853	6071	4853	10525
85°	3223	3223	3223	6447

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 17424 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.0	1.8
10°-20°	282.3	5.0
20°-30°	428.7	7.5
30°-40°	503.4	8.9
40°-50°	510.8	9.0
50°-60°	447.4	7.9
60°-70°	317.4	5.6
70°-80°	163.4	2.9
80°-90°	38.4	0.7
90°-100°	78.7	1.4
100°-110°	229.5	4.0
110°-120°	374.6	6.6
120°-130°	475.3	8.4
130°-140°	508.6	9.0
140°-150°	474.9	8.4
150°-160°	390.8	6.9
160°-170°	262.1	4.6
170°-180°	93.1	1.6
0°-30°	812.1	14.3
0°-40°	1315.5	23.2
0°-60°	2273.7	40.0
0°-90°	2792.8	49.2
90°-120°	682.8	12.0
90°-150°	2141.7	37.7
90°-180°	2888.0	50.8
0°-180°	5680.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1123	1123	1123	1123	1123	
5°	1106	1158	1106	923	1106	105
15°	1049	1145	1049	897	1049	295
25°	910	1058	910	888	910	415
35°	670	914	670	796	670	418
45°	492	740	492	696	492	376
55°	379	527	379	562	379	328
65°	213	305	213	400	213	213
75°	91	131	91	209	91	99
85°	17	17	17	35	17	22
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°	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9
2.5°	1116.0	1123.7	1131.4	1133.4	1133.4	1133.4	1133.4	1133.4	1133.4	1133.4	1133.4
5°	1105.5	1119.1	1132.6	1138.9	1142.7	1145.6	1147.6	1150.0	1153.9	1157.7	1153.9
7.5°	1095.1	1113.2	1131.4	1140.3	1146.1	1150.8	1154.3	1157.4	1159.3	1161.2	1159.3
10°	1088.1	1109.4	1130.7	1140.3	1146.1	1150.0	1151.9	1153.9	1155.8	1157.7	1155.8
12.5°	1077.7	1100.5	1123.3	1134.5	1141.9	1146.5	1148.5	1150.4	1152.3	1154.3	1152.3
15°	1048.9	1079.9	1110.8	1122.9	1128.7	1133.6	1137.4	1140.8	1142.7	1144.7	1142.7
17.5°	1013.2	1050.8	1088.3	1103.5	1111.2	1116.8	1120.3	1123.3	1124.9	1126.4	1124.9
20°	992.3	1033.0	1073.6	1089.6	1097.3	1102.1	1104.1	1105.5	1105.5	1105.5	1105.5
22.5°	964.5	1009.8	1055.0	1072.1	1079.9	1083.9	1084.3	1085.0	1086.6	1088.1	1086.6
25°	909.7	961.9	1014.1	1035.9	1047.5	1052.3	1050.4	1049.9	1053.8	1057.6	1053.8
27.5°	842.6	908.4	974.2	996.4	1004.1	1009.0	1010.9	1012.4	1012.4	1012.4	1012.4
30°	800.8	874.3	947.9	972.0	979.8	984.6	986.5	988.0	988.0	988.0	988.0
32.5°	748.6	836.0	923.5	950.0	956.2	959.5	959.9	960.1	960.1	960.1	960.1
35°	670.3	776.7	883.1	912.6	916.4	918.4	918.4	917.9	915.9	914.0	915.9
37.5°	591.9	712.6	833.3	867.9	873.7	875.2	872.5	870.0	868.1	866.1	868.1
40°	539.7	671.2	802.8	840.0	845.8	845.8	840.0	835.2	833.2	831.3	833.2
42.5°	511.8	641.8	771.8	808.7	814.5	813.7	806.4	800.4	798.4	796.5	798.4
45°	491.8	607.9	723.9	757.3	763.1	762.2	754.4	747.6	743.8	739.9	743.8
47.5°	461.4	563.5	665.6	698.4	708.1	707.1	695.5	685.8	682.0	678.1	682.0
50°	426.5	527.1	627.7	660.1	669.8	668.8	657.2	647.5	643.7	639.8	643.7
52.5°	402.2	496.6	591.0	620.7	628.8	626.3	613.1	602.3	598.4	594.5	598.4
55°	378.7	458.0	537.3	561.5	567.3	563.4	549.9	538.2	532.4	526.6	532.4
57.5°	323.8	399.3	474.7	498.2	504.4	499.8	484.3	471.0	464.4	457.9	464.4
60°	296.0	363.7	431.4	454.1	461.8	458.0	442.5	428.5	418.8	409.1	418.8
62.5°	264.6	324.6	384.6	407.7	418.5	416.2	400.7	386.7	377.0	367.3	377.0
65°	213.3	265.5	317.7	340.9	354.5	353.5	338.0	324.0	314.3	304.7	314.3
67.5°	167.1	212.0	256.9	279.7	295.2	294.4	277.4	262.7	255.0	247.2	255.0
70°	139.3	178.0	216.7	237.9	253.4	253.4	237.9	224.4	216.7	208.9	216.7
72.5°	121.9	151.3	180.7	200.8	217.8	217.8	200.8	186.5	180.3	174.1	180.3
75°	91.4	108.8	126.2	145.1	164.4	166.4	150.9	138.3	134.4	130.6	134.4
77.5°	66.2	74.3	82.4	97.2	114.2	116.2	103.0	92.8	91.2	89.7	91.2
80°	52.2	54.2	56.1	68.2	83.7	85.6	74.0	65.3	65.3	65.3	65.3
82.5°	34.8	36.8	38.7	47.3	58.1	59.3	50.8	44.0	42.5	40.9	42.5
85°	17.4	17.4	17.4	20.3	24.2	24.2	20.3	17.4	17.4	17.4	17.4
87.5°	4.1	4.9	5.9	7.8	10.0	10.2	8.6	7.7	7.9	7.9	7.9
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



TEST NUMBER: P1435797

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

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°	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9
2.5°	1133.4	1133.4	1133.4	1133.4	1133.4	1131.4	1123.7	1116.0	1116.0	1116.0	1110.2
5°	1150.0	1147.6	1145.6	1142.7	1138.9	1132.6	1119.1	1105.5	1099.7	1093.9	1069.2
7.5°	1157.4	1154.3	1150.8	1146.1	1140.3	1131.4	1113.2	1095.1	1069.1	1043.2	988.3
10°	1153.9	1151.9	1150.0	1146.1	1140.3	1130.7	1109.4	1088.1	1035.9	983.6	931.4
12.5°	1150.4	1148.5	1146.5	1141.9	1134.5	1123.3	1100.5	1077.7	1003.8	929.9	882.7
15°	1140.8	1137.4	1133.6	1128.7	1122.9	1110.8	1079.9	1048.9	965.8	882.6	842.9
17.5°	1123.3	1120.3	1116.8	1111.2	1103.5	1088.3	1050.8	1013.2	926.2	839.1	813.6
20°	1105.5	1104.1	1102.1	1097.3	1089.6	1073.6	1033.0	992.3	905.3	818.3	806.6
22.5°	1085.0	1084.3	1083.9	1079.9	1072.1	1055.0	1009.8	964.5	879.0	793.5	793.9
25°	1049.9	1050.4	1052.3	1047.5	1035.9	1014.1	961.9	909.7	834.2	758.8	771.8
27.5°	1012.4	1010.9	1009.0	1004.1	996.4	974.2	908.4	842.6	783.0	723.5	745.1
30°	988.0	986.5	984.6	979.8	972.0	947.9	874.3	800.8	750.5	700.3	725.4
32.5°	960.1	959.9	959.5	956.2	950.0	923.5	836.0	748.6	712.2	675.9	702.2
35°	917.9	918.4	918.4	916.4	912.6	883.1	776.7	670.3	654.8	639.3	670.3
37.5°	870.0	872.5	875.2	873.7	867.9	833.3	712.6	591.9	597.0	602.0	639.5
40°	835.2	840.0	845.8	845.8	840.0	802.8	671.2	539.7	557.1	574.5	615.1
42.5°	800.4	806.4	813.7	814.5	808.7	771.8	641.8	511.8	530.8	549.8	591.9
45°	747.6	754.4	762.2	763.1	757.3	723.9	607.9	491.8	503.4	515.0	555.7
47.5°	685.8	695.5	707.1	708.1	698.4	665.6	563.5	461.4	469.9	478.4	520.0
50°	647.5	657.2	668.8	669.8	660.1	627.7	527.1	426.5	438.1	449.7	493.3
52.5°	602.3	613.1	626.3	628.8	620.7	591.0	496.6	402.2	409.1	416.1	463.1
55°	538.2	549.9	563.4	567.3	561.5	537.3	458.0	378.7	372.9	367.1	414.9
57.5°	471.0	484.3	499.8	504.4	498.2	474.7	399.3	323.8	318.8	313.8	365.6
60°	428.5	442.5	458.0	461.8	454.1	431.4	363.7	296.0	286.3	276.6	330.8
62.5°	386.7	400.7	416.2	418.5	407.7	384.6	324.6	264.6	258.0	251.5	304.1
65°	324.0	338.0	353.5	354.5	340.9	317.7	265.5	213.3	217.1	221.0	268.4
67.5°	262.7	277.4	294.4	295.2	279.7	256.9	212.0	167.1	179.9	192.7	235.3
70°	224.4	237.9	253.4	253.4	237.9	216.7	178.0	139.3	156.7	174.1	213.3
72.5°	186.5	200.8	217.8	217.8	200.8	180.7	151.3	121.9	139.3	156.7	188.9
75°	138.3	150.9	166.4	164.4	145.1	126.2	108.8	91.4	108.8	126.2	150.9
77.5°	92.8	103.0	116.2	114.2	97.2	82.4	74.3	66.2	80.5	94.8	112.0
80°	65.3	74.0	85.6	83.7	68.2	56.1	54.2	52.2	61.9	71.6	84.1
82.5°	44.0	50.8	59.3	58.1	47.3	38.7	36.8	34.8	42.9	51.1	59.8
85°	17.4	20.3	24.2	24.2	20.3	17.4	17.4	17.4	21.3	25.1	29.0
87.5°	7.7	8.6	10.2	10.0	7.8	5.9	4.9	4.1	6.4	8.8	10.6
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: P1435797

CATALOG NUMBER: SQ2W-FA-K-075U-075D-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: P1435797

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9	1122.9
2.5°	1102.4	1096.2	1091.6	1087.7	1086.2	1084.6	1086.2	1087.7	1091.6	1096.2	1102.4
5°	1038.3	1005.4	970.6	942.1	932.4	922.7	932.4	942.1	970.6	1005.4	1038.3
7.5°	923.7	884.0	869.3	857.5	854.4	851.3	854.4	857.5	869.3	884.0	923.7
10°	879.2	847.3	835.7	827.0	827.0	827.0	827.0	827.0	835.7	847.3	879.2
12.5°	844.4	824.8	824.1	825.4	833.1	840.9	833.1	825.4	824.1	824.8	844.4
15°	817.8	820.7	851.6	877.3	886.9	896.6	886.9	877.3	851.6	820.7	817.8
17.5°	808.6	825.2	863.5	894.2	901.9	909.7	901.9	894.2	863.5	825.2	808.6
20°	820.2	841.5	870.5	894.2	901.9	909.7	901.9	894.2	870.5	841.5	820.2
22.5°	822.9	848.8	871.6	890.7	898.4	906.2	898.4	890.7	871.6	848.8	822.9
25°	814.4	845.3	864.7	880.2	884.0	887.9	884.0	880.2	864.7	845.3	814.4
27.5°	793.9	827.9	847.3	862.5	865.2	867.9	865.2	862.5	847.3	827.9	793.9
30°	775.7	810.5	829.9	845.8	851.6	857.4	851.6	845.8	829.9	810.5	775.7
32.5°	749.4	785.0	809.0	827.2	828.4	829.6	828.4	827.2	809.0	785.0	749.4
35°	716.7	753.4	780.5	800.4	798.4	796.5	798.4	800.4	780.5	753.4	716.7
37.5°	687.9	723.9	747.5	765.7	768.1	770.4	768.1	765.7	747.5	723.9	687.9
40°	663.5	700.3	725.4	745.2	749.1	753.0	749.1	745.2	725.4	700.3	663.5
42.5°	641.8	679.4	704.5	724.3	728.2	732.1	728.2	724.3	704.5	679.4	641.8
45°	606.0	644.6	671.7	692.5	694.5	696.4	694.5	692.5	671.7	644.6	606.0
47.5°	572.6	611.5	636.6	656.0	657.9	659.8	657.9	656.0	636.6	611.5	572.6
50°	547.4	587.1	612.2	631.6	633.5	635.5	633.5	631.6	612.2	587.1	547.4
52.5°	523.4	564.7	586.7	603.7	605.7	607.6	605.7	603.7	586.7	564.7	523.4
55°	480.7	524.2	545.5	561.5	561.5	561.5	561.5	561.5	545.5	524.2	480.7
57.5°	436.4	481.1	499.7	514.2	516.5	518.8	516.5	514.2	499.7	481.1	436.4
60°	406.2	451.7	467.2	479.7	483.6	487.5	483.6	479.7	467.2	451.7	406.2
62.5°	376.4	420.3	435.8	448.0	450.3	452.7	450.3	448.0	435.8	420.3	376.4
65°	330.3	369.0	384.5	396.6	398.5	400.4	398.5	396.6	384.5	369.0	330.3
67.5°	287.9	319.7	330.5	339.0	340.6	342.1	340.6	339.0	330.5	319.7	287.9
70°	259.7	286.8	294.5	300.3	300.3	300.3	300.3	300.3	294.5	286.8	259.7
72.5°	226.0	248.5	256.2	262.4	263.9	265.5	263.9	262.4	256.2	248.5	226.0
75°	178.0	194.4	200.2	205.0	207.0	208.9	207.0	205.0	200.2	194.4	178.0
77.5°	130.2	141.0	144.5	147.6	149.5	151.5	149.5	147.6	144.5	141.0	130.2
80°	97.7	105.4	107.4	109.3	111.2	113.2	111.2	109.3	107.4	105.4	97.7
82.5°	68.7	74.1	76.0	77.6	78.0	78.3	78.0	77.6	76.0	74.1	68.7
85°	32.9	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	32.9
87.5°	11.6	13.0	14.4	15.2	16.0	15.6	16.0	15.2	14.4	13.0	11.6
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: P1435797

CATALOG NUMBER: SQ2W-FA-K-075U-075D-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: P1435797

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1122.9	1122.9	1122.9	1122.9
2.5°	1110.2	1116.0	1116.0	1116.0
5°	1069.2	1093.9	1099.7	1105.5
7.5°	988.3	1043.2	1069.1	1095.1
10°	931.4	983.6	1035.9	1088.1
12.5°	882.7	929.9	1003.8	1077.7
15°	842.9	882.6	965.8	1048.9
17.5°	813.6	839.1	926.2	1013.2
20°	806.6	818.3	905.3	992.3
22.5°	793.9	793.5	879.0	964.5
25°	771.8	758.8	834.2	909.7
27.5°	745.1	723.5	783.0	842.6
30°	725.4	700.3	750.5	800.8
32.5°	702.2	675.9	712.2	748.6
35°	670.3	639.3	654.8	670.3
37.5°	639.5	602.0	597.0	591.9
40°	615.1	574.5	557.1	539.7
42.5°	591.9	549.8	530.8	511.8
45°	555.7	515.0	503.4	491.8
47.5°	520.0	478.4	469.9	461.4
50°	493.3	449.7	438.1	426.5
52.5°	463.1	416.1	409.1	402.2
55°	414.9	367.1	372.9	378.7
57.5°	365.6	313.8	318.8	323.8
60°	330.8	276.6	286.3	296.0
62.5°	304.1	251.5	258.0	264.6
65°	268.4	221.0	217.1	213.3
67.5°	235.3	192.7	179.9	167.1
70°	213.3	174.1	156.7	139.3
72.5°	188.9	156.7	139.3	121.9
75°	150.9	126.2	108.8	91.4
77.5°	112.0	94.8	80.5	66.2
80°	84.1	71.6	61.9	52.2
82.5°	59.8	51.1	42.9	34.8
85°	29.0	25.1	21.3	17.4
87.5°	10.6	8.8	6.4	4.1
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: P1435797

CATALOG NUMBER: SQ2W-FA-K-075U-075D-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: P1435797
 CATALOG NUMBER: SQ2W-FA-K-075U-075D-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	16.37	17.22	17.33	18.20	19.48	17.56	18.42	18.53	19.40	20.68
	3H	17.45	18.22	18.43	19.21	20.51	18.81	19.57	19.78	20.56	21.87
	4H	17.81	18.53	18.80	19.52	20.83	19.20	19.92	20.19	20.91	22.23
	6H	17.97	18.63	18.97	19.63	20.96	19.36	20.02	20.36	21.02	22.35
	8H	18.00	18.63	19.01	19.65	20.97	19.38	20.02	20.39	21.03	22.35
	12H	18.00	18.60	19.01	19.61	20.95	19.37	19.97	20.38	20.98	22.32
4H	2H	17.23	17.96	18.23	18.95	20.26	18.15	18.87	19.14	19.86	21.18
	3H	18.62	19.22	19.63	20.24	21.57	19.61	20.21	20.62	21.23	22.56
	4H	19.08	19.63	20.09	20.64	21.99	20.09	20.64	21.10	21.65	23.00
	6H	19.30	19.78	20.33	20.81	22.16	20.31	20.78	21.33	21.82	23.17
	8H	19.36	19.80	20.39	20.83	22.20	20.36	20.80	21.38	21.83	23.19
	12H	19.36	19.76	20.41	20.81	22.18	20.34	20.74	21.39	21.79	23.16
8H	4H	19.46	19.90	20.48	20.93	22.29	20.28	20.72	21.31	21.75	23.12
	6H	19.81	20.17	20.86	21.25	22.61	20.59	20.96	21.64	22.03	23.39
	8H	19.93	20.25	20.98	21.30	22.68	20.69	21.01	21.75	22.07	23.45
	12H	19.96	20.25	21.02	21.30	22.72	20.70	20.99	21.77	22.04	23.46
12H	4H	19.46	19.86	20.50	20.91	22.27	20.25	20.65	21.29	21.69	23.06
	6H	19.88	20.20	20.94	21.26	22.64	20.61	20.93	21.67	21.99	23.37
	8H	20.02	20.31	21.08	21.36	22.78	20.73	21.01	21.79	22.06	23.48