

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: P1427877

Luminaire Tested: SQ2W-PH1-K-050U-075D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427877
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PH1-K-050U-075D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE HEX LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 500 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

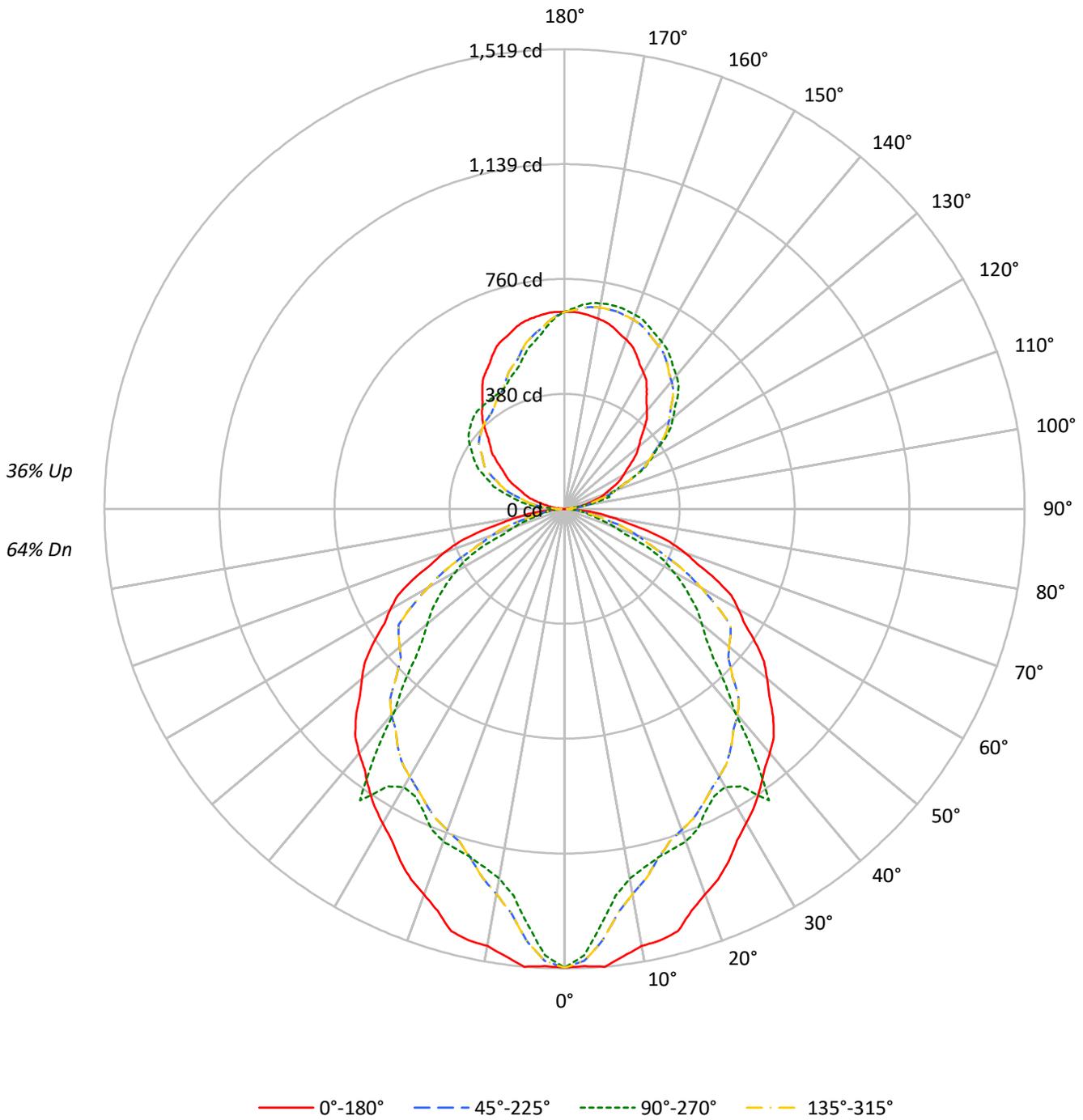
Lumens per Lamp: N/A
Luminaire Lumens: 5255.7 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.02 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 41.6
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	0
RCR																		
0	110	110	110	110	104	104	104	104	91	91	91	79	79	79	69	69	69	64
1	101	97	93	90	95	91	88	85	80	78	75	70	69	67	61	60	59	54
2	92	85	79	73	86	80	74	70	71	66	63	62	59	56	54	52	50	46
3	84	75	67	61	79	70	64	59	62	57	53	55	51	48	48	45	43	39
4	77	66	58	52	72	63	55	50	56	50	45	49	45	41	43	40	37	34
5	71	59	51	45	66	56	48	43	50	44	39	44	39	36	39	35	32	29
6	65	53	45	39	61	50	43	37	45	39	34	40	35	31	35	31	28	26
7	61	48	40	34	57	46	38	33	41	35	30	36	31	28	32	28	25	23
8	56	44	36	30	53	42	34	29	37	31	27	33	28	25	30	26	23	20
9	53	40	32	27	49	38	31	26	34	28	24	31	26	22	27	23	20	18
10	49	37	29	25	46	35	28	24	32	26	22	28	24	20	25	21	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	24480	24480	24480	24480
5°	24619	22374	24619	22374
10°	24053	20339	24053	20339
15°	24162	19941	24162	19941
20°	23298	20101	23298	20101
25°	22872	19634	22872	19634
30°	22376	19794	22376	19794
35°	22207	23201	22207	23201
40°	22225	18396	22225	18396
45°	22233	15844	22233	15844
50°	21923	14857	21923	14857
55°	21644	14252	21644	14252
60°	21428	13369	21428	13369
65°	21054	11629	21054	11629
70°	19883	8308	19883	8308
75°	17729	6301	17729	6301
80°	14486	5904	14486	5904
85°	9077	4001	9077	4001

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 22233 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.4	2.5
10°-20°	350.9	6.7
20°-30°	514.5	9.8
30°-40°	623.0	11.9
40°-50°	612.6	11.7
50°-60°	532.9	10.1
60°-70°	370.6	7.1
70°-80°	175.8	3.3
80°-90°	41.4	0.8
90°-100°	51.8	1.0
100°-110°	151.1	2.9
110°-120°	246.5	4.7
120°-130°	312.9	6.0
130°-140°	334.8	6.4
140°-150°	312.6	5.9
150°-160°	257.2	4.9
160°-170°	172.5	3.3
170°-180°	61.3	1.2
0°-30°	998.8	19.0
0°-40°	1621.8	30.9
0°-60°	2767.2	52.7
0°-90°	3355.0	63.8
90°-120°	449.4	8.6
90°-150°	1409.7	26.8
90°-180°	1901.0	36.2
0°-180°	5255.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1516	1516	1516	1516	1516	
5°	1519	1380	1519	1380	1519	143
15°	1446	1193	1446	1193	1446	403
25°	1284	1102	1284	1102	1284	590
35°	1127	1177	1127	1177	1127	706
45°	974	694	974	694	974	748
55°	769	506	769	506	769	687
65°	551	304	551	304	551	541
75°	284	101	284	101	284	301
85°	49	22	49	22	49	66
90°	2	14	2	28	2	3
95°	20	15	20	89	20	25
105°	96	154	96	212	96	102
115°	184	255	184	314	184	181
125°	272	404	272	385	272	244
135°	370	529	370	427	370	286
145°	473	610	473	436	473	296
155°	562	663	562	452	562	258
165°	621	691	621	521	621	175
175°	649	677	649	611	649	62
180°	651	651	651	651	651	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1516.2	1516.2	1516.2	1516.2	1516.2	1516.2	1516.2	1516.2	1516.2	1516.2	1516.2
2.5°	1512.7	1519.9	1527.1	1516.9	1501.0	1490.0	1483.8	1479.0	1477.9	1476.9	1477.9
5°	1519.0	1518.4	1517.8	1487.8	1448.0	1418.2	1398.3	1383.1	1381.8	1380.5	1381.8
7.5°	1491.3	1471.5	1451.6	1411.3	1364.3	1329.8	1307.8	1291.1	1290.1	1289.1	1290.1
10°	1467.1	1437.0	1406.8	1361.3	1310.7	1275.4	1255.5	1240.6	1240.6	1240.6	1240.6
12.5°	1461.3	1413.8	1366.2	1316.3	1265.7	1233.0	1218.2	1207.9	1211.0	1214.1	1211.0
15°	1445.5	1373.7	1301.8	1251.2	1207.6	1183.9	1180.0	1178.9	1186.0	1193.0	1186.0
17.5°	1393.0	1315.6	1238.3	1193.8	1160.2	1147.5	1155.7	1163.9	1172.1	1180.3	1172.1
20°	1356.0	1279.7	1203.4	1162.2	1132.7	1125.7	1141.1	1154.5	1162.2	1169.9	1162.2
22.5°	1324.9	1247.5	1170.2	1133.8	1110.9	1108.0	1124.9	1138.6	1142.7	1146.9	1142.7
25°	1283.9	1196.7	1109.5	1082.9	1076.5	1080.7	1095.4	1106.0	1104.1	1102.1	1104.1
27.5°	1234.8	1143.8	1052.8	1035.7	1043.2	1051.5	1060.5	1067.5	1068.7	1069.8	1068.7
30°	1200.2	1109.2	1018.1	1004.5	1016.7	1027.3	1036.3	1045.1	1053.4	1061.7	1053.4
32.5°	1166.8	1072.6	978.5	968.7	987.1	1006.9	1028.2	1048.9	1068.0	1087.1	1068.0
35°	1126.7	1028.6	930.5	922.8	945.2	974.1	1009.3	1051.5	1114.3	1177.1	1114.3
37.5°	1084.5	979.4	874.2	870.7	901.1	931.5	961.9	989.7	1009.7	1029.7	1009.7
40°	1054.5	944.2	834.0	833.8	870.4	908.2	947.3	965.1	918.9	872.8	918.9
42.5°	1022.2	911.9	801.7	798.4	830.9	872.5	923.4	942.1	864.2	786.2	864.2
45°	973.7	859.0	744.2	740.0	772.7	795.8	809.3	805.4	749.7	693.9	749.7
47.5°	916.6	807.2	697.9	697.0	732.2	734.8	704.7	676.6	654.8	633.0	654.8
50°	872.8	769.5	666.3	670.8	711.2	707.3	659.3	619.7	605.6	591.5	605.6
52.5°	830.1	732.0	633.9	645.8	694.4	686.7	622.7	572.4	562.9	553.4	562.9
55°	768.9	674.6	580.4	607.3	674.6	664.4	576.6	510.2	508.3	506.3	508.3
57.5°	704.0	614.9	525.7	544.4	599.1	588.3	512.1	455.8	459.2	462.5	459.2
60°	663.6	577.0	490.5	492.9	524.9	514.7	462.1	421.7	417.9	414.0	417.9
62.5°	620.9	538.4	456.0	444.0	455.6	443.5	407.9	380.2	376.3	372.5	376.3
65°	551.1	476.1	401.0	378.4	373.3	356.0	326.5	304.4	304.4	304.4	304.4
67.5°	474.3	408.9	343.5	318.2	306.3	289.1	266.7	246.0	230.6	215.2	230.6
70°	421.2	363.5	305.8	279.4	263.4	242.8	217.8	196.5	186.3	176.0	186.3
72.5°	364.7	315.2	265.7	238.6	219.0	199.0	178.6	160.4	148.6	136.8	148.6
75°	284.2	244.4	204.7	178.4	156.6	136.4	117.8	103.5	102.3	101.0	102.3
77.5°	205.4	176.4	147.5	126.2	107.5	93.4	84.1	77.1	77.2	77.3	77.2
80°	155.8	134.0	112.2	92.3	73.1	63.2	62.5	62.2	62.8	63.5	62.8
82.5°	109.6	93.5	77.3	64.6	53.1	47.8	48.7	49.4	49.5	49.6	49.5
85°	49.0	41.4	33.7	30.8	29.5	27.6	25.0	22.9	22.3	21.6	22.3
87.5°	10.8	10.8	10.9	10.2	9.0	8.4	8.4	8.5	8.7	8.7	8.7
90°	2.0	4.6	7.9	10.5	12.5	13.2	13.2	13.8	14.5	14.5	14.5
92.5°	7.2	11.4	11.6	11.6	14.1	15.3	16.3	16.4	17.1	17.1	17.1
95°	20.4	22.4	33.5	32.9	22.4	17.8	15.1	15.1	15.1	15.1	15.1
97.5°	38.9	41.8	43.7	58.5	61.8	59.7	48.7	40.9	36.6	34.6	36.6
100°	55.2	56.5	60.5	61.1	77.6	93.4	85.5	75.6	72.3	70.4	72.3
102.5°	71.5	72.3	78.4	81.1	85.0	93.9	121.2	118.2	116.0	115.6	116.0
105°	96.0	96.7	107.8	113.1	115.7	115.7	115.1	128.2	149.3	153.9	149.3
107.5°	122.2	125.2	138.3	152.4	155.4	156.2	152.8	150.8	150.0	150.6	150.0
110°	140.1	144.7	160.4	178.2	182.8	184.1	182.8	180.8	179.5	179.5	179.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	157.4	164.1	182.0	202.4	210.1	214.1	211.2	209.8	208.4	209.5	208.4
115°	184.1	194.0	217.6	238.7	254.5	256.4	255.8	255.8	255.1	255.1	255.1
117.5°	208.8	224.6	251.2	275.6	293.9	299.2	301.8	301.0	300.2	301.5	300.2
120°	226.2	244.6	274.8	302.5	320.2	328.1	330.7	329.4	330.7	329.4	330.7
122.5°	244.6	267.2	296.9	325.6	346.5	355.5	358.6	358.9	359.1	358.4	359.1
125°	272.2	299.8	334.7	364.3	386.0	396.5	399.1	399.8	401.1	404.4	401.1
127.5°	300.1	331.4	369.7	398.2	420.4	433.2	437.3	438.7	441.5	442.9	441.5
130°	319.6	355.1	393.9	420.8	442.5	456.3	463.6	465.5	468.8	468.2	468.8
132.5°	340.1	377.2	416.5	444.5	464.6	479.5	485.6	491.3	492.5	493.4	492.5
135°	370.2	410.3	449.7	477.4	496.4	510.9	518.8	524.0	527.3	529.3	527.3
137.5°	401.9	444.2	482.1	506.7	525.9	538.4	547.3	552.8	556.3	557.8	556.3
140°	423.4	464.2	501.0	526.7	543.8	556.3	564.2	570.7	574.7	574.7	574.7
142.5°	444.0	484.2	520.0	545.6	560.6	572.0	580.5	585.5	589.9	589.9	589.9
145°	472.8	512.9	545.7	571.4	583.9	594.4	603.6	607.6	610.2	610.2	610.2
147.5°	502.9	538.4	568.4	593.0	603.5	615.8	623.1	626.2	629.5	628.1	629.5
150°	520.8	553.6	582.6	605.6	616.1	627.9	635.2	637.8	641.1	639.1	641.1
152.5°	538.1	569.4	595.7	617.2	626.1	637.9	646.2	648.8	651.1	649.6	651.1
155°	561.5	589.1	613.5	633.2	641.1	652.3	660.2	663.4	666.1	662.8	666.1
157.5°	582.4	606.2	627.4	645.6	654.0	663.6	670.9	675.0	677.6	676.2	677.6
160°	595.1	616.8	635.8	652.9	660.8	669.4	677.3	681.9	684.5	682.5	684.5
162.5°	605.6	625.2	643.2	658.7	665.5	673.0	682.5	686.6	689.2	686.7	689.2
165°	620.7	636.5	652.3	665.4	671.3	677.3	687.1	691.7	693.7	691.1	693.7
167.5°	632.1	644.2	657.0	668.3	672.6	678.4	688.3	692.1	694.6	691.3	694.6
170°	638.5	649.0	660.2	669.4	672.6	677.9	687.8	691.1	693.0	689.7	693.0
172.5°	643.7	651.6	660.7	668.8	670.5	674.8	684.1	687.4	688.8	686.1	688.8
175°	649.0	653.6	660.2	665.4	664.8	667.4	675.3	677.9	680.5	676.6	680.5
177.5°	651.5	653.6	655.7	658.8	656.7	656.7	662.5	664.1	664.6	662.5	664.6
180°	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1516.2	1516.2	1516.2	1516.2	1516.2	1516.2	1516.2	1516.2	1516.2	1516.2	1516.2
2.5°	1479.0	1483.8	1490.0	1501.0	1516.9	1527.1	1519.9	1512.7	1519.9	1527.1	1516.9
5°	1383.1	1398.3	1418.2	1448.0	1487.8	1517.8	1518.4	1519.0	1518.4	1517.8	1487.8
7.5°	1291.1	1307.8	1329.8	1364.3	1411.3	1451.6	1471.5	1491.3	1471.5	1451.6	1411.3
10°	1240.6	1255.5	1275.4	1310.7	1361.3	1406.8	1437.0	1467.1	1437.0	1406.8	1361.3
12.5°	1207.9	1218.2	1233.0	1265.7	1316.3	1366.2	1413.8	1461.3	1413.8	1366.2	1316.3
15°	1178.9	1180.0	1183.9	1207.6	1251.2	1301.8	1373.7	1445.5	1373.7	1301.8	1251.2
17.5°	1163.9	1155.7	1147.5	1160.2	1193.8	1238.3	1315.6	1393.0	1315.6	1238.3	1193.8
20°	1154.5	1141.1	1125.7	1132.7	1162.2	1203.4	1279.7	1356.0	1279.7	1203.4	1162.2
22.5°	1138.6	1124.9	1108.0	1110.9	1133.8	1170.2	1247.5	1324.9	1247.5	1170.2	1133.8
25°	1106.0	1095.4	1080.7	1076.5	1082.9	1109.5	1196.7	1283.9	1196.7	1109.5	1082.9
27.5°	1067.5	1060.5	1051.5	1043.2	1035.7	1052.8	1143.8	1234.8	1143.8	1052.8	1035.7
30°	1045.1	1036.3	1027.3	1016.7	1004.5	1018.1	1109.2	1200.2	1109.2	1018.1	1004.5
32.5°	1048.9	1028.2	1006.9	987.1	968.7	978.5	1072.6	1166.8	1072.6	978.5	968.7
35°	1051.5	1009.3	974.1	945.2	922.8	930.5	1028.6	1126.7	1028.6	930.5	922.8
37.5°	989.7	961.9	931.5	901.1	870.7	874.2	979.4	1084.5	979.4	874.2	870.7
40°	965.1	947.3	908.2	870.4	833.8	834.0	944.2	1054.5	944.2	834.0	833.8
42.5°	942.1	923.4	872.5	830.9	798.4	801.7	911.9	1022.2	911.9	801.7	798.4
45°	805.4	809.3	795.8	772.7	740.0	744.2	859.0	973.7	859.0	744.2	740.0
47.5°	676.6	704.7	734.8	732.2	697.0	697.9	807.2	916.6	807.2	697.9	697.0
50°	619.7	659.3	707.3	711.2	670.8	666.3	769.5	872.8	769.5	666.3	670.8
52.5°	572.4	622.7	686.7	694.4	645.8	633.9	732.0	830.1	732.0	633.9	645.8
55°	510.2	576.6	664.4	674.6	607.3	580.4	674.6	768.9	674.6	580.4	607.3
57.5°	455.8	512.1	588.3	599.1	544.4	525.7	614.9	704.0	614.9	525.7	544.4
60°	421.7	462.1	514.7	524.9	492.9	490.5	577.0	663.6	577.0	490.5	492.9
62.5°	380.2	407.9	443.5	455.6	444.0	456.0	538.4	620.9	538.4	456.0	444.0
65°	304.4	326.5	356.0	373.3	378.4	401.0	476.1	551.1	476.1	401.0	378.4
67.5°	246.0	266.7	289.1	306.3	318.2	343.5	408.9	474.3	408.9	343.5	318.2
70°	196.5	217.8	242.8	263.4	279.4	305.8	363.5	421.2	363.5	305.8	279.4
72.5°	160.4	178.6	199.0	219.0	238.6	265.7	315.2	364.7	315.2	265.7	238.6
75°	103.5	117.8	136.4	156.6	178.4	204.7	244.4	284.2	244.4	204.7	178.4
77.5°	77.1	84.1	93.4	107.5	126.2	147.5	176.4	205.4	176.4	147.5	126.2
80°	62.2	62.5	63.2	73.1	92.3	112.2	134.0	155.8	134.0	112.2	92.3
82.5°	49.4	48.7	47.8	53.1	64.6	77.3	93.5	109.6	93.5	77.3	64.6
85°	22.9	25.0	27.6	29.5	30.8	33.7	41.4	49.0	41.4	33.7	30.8
87.5°	8.5	8.4	8.4	9.0	10.2	10.9	10.8	10.8	10.8	10.8	10.4
90°	13.8	13.2	13.2	12.5	10.5	7.9	4.6	2.0	4.6	7.2	11.8
92.5°	16.4	16.3	15.3	14.1	11.6	11.6	11.4	7.2	12.5	17.8	25.5
95°	15.1	15.1	17.8	22.4	32.9	33.5	22.4	20.4	28.9	40.8	51.3
97.5°	40.9	48.7	59.7	61.8	58.5	43.7	41.8	38.9	53.0	64.7	81.7
100°	75.6	85.5	93.4	77.6	61.1	60.5	56.5	55.2	70.4	81.5	98.0
102.5°	118.2	121.2	93.9	85.0	81.1	78.4	72.3	71.5	86.7	102.0	115.9
105°	128.2	115.1	115.7	115.7	113.1	107.8	96.7	96.0	113.1	130.8	147.9
107.5°	150.8	152.8	156.2	155.4	152.4	138.3	125.2	122.2	137.6	158.9	177.7
110°	180.8	182.8	184.1	182.8	178.2	160.4	144.7	140.1	153.9	176.2	196.6



TEST NUMBER: P1427877

CATALOG NUMBER: SQ2W-PH1-K-050U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	209.8	211.2	214.1	210.1	202.4	182.0	164.1	157.4	171.2	194.1	215.0
115°	255.8	255.8	256.4	254.5	238.7	217.6	194.0	184.1	195.9	217.0	240.0
117.5°	301.0	301.8	299.2	293.9	275.6	251.2	224.6	208.8	218.2	240.4	264.1
120°	329.4	330.7	328.1	320.2	302.5	274.8	244.6	226.2	233.4	255.1	278.8
122.5°	358.9	358.6	355.5	346.5	325.6	296.9	267.2	244.6	247.6	267.7	290.9
125°	399.8	399.1	396.5	386.0	364.3	334.7	299.8	272.2	268.3	285.4	309.0
127.5°	438.7	437.3	433.2	420.4	398.2	369.7	331.4	300.1	291.3	302.1	323.8
130°	465.5	463.6	456.3	442.5	420.8	393.9	355.1	319.6	307.1	313.6	332.7
132.5°	491.3	485.6	479.5	464.6	444.5	416.5	377.2	340.1	322.8	325.7	340.6
135°	524.0	518.8	510.9	496.4	477.4	449.7	410.3	370.2	346.5	343.9	352.4
137.5°	552.8	547.3	538.4	525.9	506.7	482.1	444.2	401.9	372.0	363.2	366.5
140°	570.7	564.2	556.3	543.8	526.7	501.0	464.2	423.4	389.9	377.4	375.4
142.5°	585.5	580.5	572.0	560.6	545.6	520.0	484.2	444.0	408.3	392.1	387.5
145°	607.6	603.6	594.4	583.9	571.4	545.7	512.9	472.8	437.3	416.2	406.4
147.5°	626.2	623.1	615.8	603.5	593.0	568.4	538.4	502.9	466.4	440.4	427.7
150°	637.8	635.2	627.9	616.1	605.6	582.6	553.6	520.8	485.9	458.3	441.9
152.5°	648.8	646.2	637.9	626.1	617.2	595.7	569.4	538.1	502.7	475.1	458.2
155°	663.4	660.2	652.3	641.1	633.2	613.5	589.1	561.5	531.3	502.3	483.3
157.5°	675.0	670.9	663.6	654.0	645.6	627.4	606.2	582.4	556.0	528.4	508.9
160°	681.9	677.3	669.4	660.8	652.9	635.8	616.8	595.1	570.7	545.7	524.7
162.5°	686.6	682.5	673.0	665.5	658.7	643.2	625.2	605.6	583.9	562.1	542.6
165°	691.7	687.1	677.3	671.3	665.4	652.3	636.5	620.7	602.3	584.5	568.8
167.5°	692.1	688.3	678.4	672.6	668.3	657.0	644.2	632.1	617.8	603.9	590.7
170°	691.1	687.8	677.9	672.6	669.4	660.2	649.0	638.5	627.3	615.4	604.9
172.5°	687.4	684.1	674.8	670.5	668.8	660.7	651.6	643.7	634.1	625.4	617.0
175°	677.9	675.3	667.4	664.8	665.4	660.2	653.6	649.0	643.1	637.8	633.2
177.5°	664.1	662.5	656.7	656.7	658.8	655.7	653.6	651.5	648.8	647.3	645.7
180°	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9



TEST NUMBER: P1427877

CATALOG NUMBER: SQ2W-PH1-K-050U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1516.2	1516.2	1516.2	1516.2	1516.2	1516.2	1516.2	1516.2	1516.2	1516.2	1516.2
2.5°	1501.0	1490.0	1483.8	1479.0	1477.9	1476.9	1477.9	1479.0	1483.8	1490.0	1501.0
5°	1448.0	1418.2	1398.3	1383.1	1381.8	1380.5	1381.8	1383.1	1398.3	1418.2	1448.0
7.5°	1364.3	1329.8	1307.8	1291.1	1290.1	1289.1	1290.1	1291.1	1307.8	1329.8	1364.3
10°	1310.7	1275.4	1255.5	1240.6	1240.6	1240.6	1240.6	1240.6	1255.5	1275.4	1310.7
12.5°	1265.7	1233.0	1218.2	1207.9	1211.0	1214.1	1211.0	1207.9	1218.2	1233.0	1265.7
15°	1207.6	1183.9	1180.0	1178.9	1186.0	1193.0	1186.0	1178.9	1180.0	1183.9	1207.6
17.5°	1160.2	1147.5	1155.7	1163.9	1172.1	1180.3	1172.1	1163.9	1155.7	1147.5	1160.2
20°	1132.7	1125.7	1141.1	1154.5	1162.2	1169.9	1162.2	1154.5	1141.1	1125.7	1132.7
22.5°	1110.9	1108.0	1124.9	1138.6	1142.7	1146.9	1142.7	1138.6	1124.9	1108.0	1110.9
25°	1076.5	1080.7	1095.4	1106.0	1104.1	1102.1	1104.1	1106.0	1095.4	1080.7	1076.5
27.5°	1043.2	1051.5	1060.5	1067.5	1068.7	1069.8	1068.7	1067.5	1060.5	1051.5	1043.2
30°	1016.7	1027.3	1036.3	1045.1	1053.4	1061.7	1053.4	1045.1	1036.3	1027.3	1016.7
32.5°	987.1	1006.9	1028.2	1048.9	1068.0	1087.1	1068.0	1048.9	1028.2	1006.9	987.1
35°	945.2	974.1	1009.3	1051.5	1114.3	1177.1	1114.3	1051.5	1009.3	974.1	945.2
37.5°	901.1	931.5	961.9	989.7	1009.7	1029.7	1009.7	989.7	961.9	931.5	901.1
40°	870.4	908.2	947.3	965.1	918.9	872.8	918.9	965.1	947.3	908.2	870.4
42.5°	830.9	872.5	923.4	942.1	864.2	786.2	864.2	942.1	923.4	872.5	830.9
45°	772.7	795.8	809.3	805.4	749.7	693.9	749.7	805.4	809.3	795.8	772.7
47.5°	732.2	734.8	704.7	676.6	654.8	633.0	654.8	704.7	734.8	732.2	732.2
50°	711.2	707.3	659.3	619.7	605.6	591.5	605.6	619.7	659.3	707.3	711.2
52.5°	694.4	686.7	622.7	572.4	562.9	553.4	562.9	572.4	622.7	686.7	694.4
55°	674.6	664.4	576.6	510.2	508.3	506.3	508.3	510.2	576.6	664.4	674.6
57.5°	599.1	588.3	512.1	455.8	459.2	462.5	459.2	455.8	512.1	588.3	599.1
60°	524.9	514.7	462.1	421.7	417.9	414.0	417.9	421.7	462.1	514.7	524.9
62.5°	455.6	443.5	407.9	380.2	376.3	372.5	376.3	380.2	407.9	443.5	455.6
65°	373.3	356.0	326.5	304.4	304.4	304.4	304.4	304.4	326.5	356.0	373.3
67.5°	306.3	289.1	266.7	246.0	230.6	215.2	230.6	246.0	266.7	289.1	306.3
70°	263.4	242.8	217.8	196.5	186.3	176.0	186.3	196.5	217.8	242.8	263.4
72.5°	219.0	199.0	178.6	160.4	148.6	136.8	148.6	160.4	178.6	199.0	219.0
75°	156.6	136.4	117.8	103.5	102.3	101.0	102.3	103.5	117.8	136.4	156.6
77.5°	107.5	93.4	84.1	77.1	77.2	77.3	77.2	77.1	84.1	93.4	107.5
80°	73.1	63.2	62.5	62.2	62.8	63.5	62.8	62.2	62.5	63.2	73.1
82.5°	53.1	47.8	48.7	49.4	49.5	49.6	49.5	49.4	48.7	47.8	53.1
85°	29.5	27.6	25.0	22.9	22.3	21.6	22.3	22.9	25.0	27.6	29.5
87.5°	9.6	9.7	10.6	11.2	11.7	11.4	11.7	11.2	10.6	9.7	9.6
90°	15.1	19.7	24.3	27.0	29.6	28.3	29.6	27.0	24.3	19.7	15.1
92.5°	30.4	38.1	43.8	48.5	50.6	50.4	50.6	48.5	43.8	38.1	30.4
95°	61.1	70.4	79.6	86.1	90.1	88.8	90.1	86.1	79.6	70.4	61.1
97.5°	94.3	106.7	116.9	123.1	127.0	129.7	127.0	123.1	116.9	106.7	94.3
100°	116.4	128.2	140.1	147.3	153.9	156.5	153.9	147.3	140.1	128.2	116.4
102.5°	134.3	149.8	162.7	170.4	176.0	178.6	176.0	170.4	162.7	149.8	134.3
105°	163.7	180.2	194.0	203.8	209.8	211.7	209.8	194.0	180.2	163.7	163.7
107.5°	193.2	210.1	222.9	233.8	241.0	245.3	241.0	233.8	222.9	210.1	193.2
110°	216.3	230.1	243.9	253.8	261.0	263.7	261.0	253.8	243.9	230.1	216.3



TEST NUMBER: P1427877

CATALOG NUMBER: SQ2W-PH1-K-050U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	235.8	251.2	265.0	274.8	283.1	286.8	283.1	274.8	265.0	251.2	235.8
115°	263.0	283.4	295.9	305.1	311.0	314.3	311.0	305.1	295.9	283.4	263.0
117.5°	285.6	306.9	320.6	327.7	330.5	332.8	330.5	327.7	320.6	306.9	285.6
120°	299.8	319.6	335.3	344.5	347.8	349.1	347.8	344.5	335.3	319.6	299.8
122.5°	313.0	331.7	346.9	358.2	363.6	364.9	363.6	358.2	346.9	331.7	313.0
125°	331.4	349.1	364.9	376.1	382.0	385.3	382.0	376.1	364.9	349.1	331.4
127.5°	347.4	366.6	381.1	391.2	397.0	399.6	397.0	391.2	381.1	366.6	347.4
130°	356.4	376.1	390.6	401.7	407.0	409.6	407.0	401.7	390.6	376.1	356.4
132.5°	363.2	384.0	399.0	409.1	414.9	417.5	414.9	409.1	399.0	384.0	363.2
135°	371.5	393.2	409.0	418.8	424.1	426.7	424.1	418.8	409.0	393.2	371.5
137.5°	378.7	398.5	414.9	425.3	430.0	431.7	430.0	425.3	414.9	398.5	378.7
140°	384.0	401.1	417.5	427.4	432.7	433.3	432.7	427.4	417.5	401.1	384.0
142.5°	390.8	404.2	418.6	428.4	433.7	434.9	433.7	428.4	418.6	404.2	390.8
145°	403.1	411.0	420.8	430.0	434.6	435.9	434.6	430.0	420.8	411.0	403.1
147.5°	418.4	420.9	426.1	432.1	436.6	437.5	436.6	432.1	426.1	420.9	418.4
150°	430.0	429.4	431.3	435.3	439.2	438.6	439.2	435.3	431.3	429.4	430.0
152.5°	443.2	439.4	439.2	441.1	442.9	442.8	442.9	441.1	439.2	439.4	443.2
155°	465.5	458.3	454.3	453.0	453.0	452.4	453.0	453.0	454.3	458.3	465.5
157.5°	490.1	480.0	474.1	470.9	470.0	468.6	470.0	470.9	474.1	480.0	490.1
160°	507.0	495.8	489.9	484.6	482.6	480.7	482.6	484.6	489.9	495.8	507.0
162.5°	522.7	512.1	505.6	500.9	498.9	495.9	498.9	500.9	505.6	512.1	522.7
165°	548.4	537.2	530.0	526.0	523.4	520.8	523.4	526.0	530.0	537.2	548.4
167.5°	574.0	561.8	557.1	552.6	550.1	545.4	550.1	552.6	557.1	561.8	574.0
170°	589.8	578.6	576.0	572.0	567.4	562.2	567.4	572.0	576.0	578.6	589.8
172.5°	603.5	596.0	593.4	589.4	588.0	583.8	588.0	589.4	593.4	596.0	603.5
175°	623.3	617.4	617.4	616.8	614.8	610.8	614.8	616.8	617.4	617.4	623.3
177.5°	639.9	636.7	638.9	638.9	638.3	634.6	638.3	638.9	638.9	636.7	639.9
180°	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9



TEST NUMBER: P1427877

CATALOG NUMBER: SQ2W-PH1-K-050U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1516.2	1516.2	1516.2	1516.2
2.5°	1516.9	1527.1	1519.9	1512.7
5°	1487.8	1517.8	1518.4	1519.0
7.5°	1411.3	1451.6	1471.5	1491.3
10°	1361.3	1406.8	1437.0	1467.1
12.5°	1316.3	1366.2	1413.8	1461.3
15°	1251.2	1301.8	1373.7	1445.5
17.5°	1193.8	1238.3	1315.6	1393.0
20°	1162.2	1203.4	1279.7	1356.0
22.5°	1133.8	1170.2	1247.5	1324.9
25°	1082.9	1109.5	1196.7	1283.9
27.5°	1035.7	1052.8	1143.8	1234.8
30°	1004.5	1018.1	1109.2	1200.2
32.5°	968.7	978.5	1072.6	1166.8
35°	922.8	930.5	1028.6	1126.7
37.5°	870.7	874.2	979.4	1084.5
40°	833.8	834.0	944.2	1054.5
42.5°	798.4	801.7	911.9	1022.2
45°	740.0	744.2	859.0	973.7
47.5°	697.0	697.9	807.2	916.6
50°	670.8	666.3	769.5	872.8
52.5°	645.8	633.9	732.0	830.1
55°	607.3	580.4	674.6	768.9
57.5°	544.4	525.7	614.9	704.0
60°	492.9	490.5	577.0	663.6
62.5°	444.0	456.0	538.4	620.9
65°	378.4	401.0	476.1	551.1
67.5°	318.2	343.5	408.9	474.3
70°	279.4	305.8	363.5	421.2
72.5°	238.6	265.7	315.2	364.7
75°	178.4	204.7	244.4	284.2
77.5°	126.2	147.5	176.4	205.4
80°	92.3	112.2	134.0	155.8
82.5°	64.6	77.3	93.5	109.6
85°	30.8	33.7	41.4	49.0
87.5°	10.4	10.8	10.8	10.8
90°	11.8	7.2	4.6	2.0
92.5°	25.5	17.8	12.5	7.2
95°	51.3	40.8	28.9	20.4
97.5°	81.7	64.7	53.0	38.9
100°	98.0	81.5	70.4	55.2
102.5°	115.9	102.0	86.7	71.5
105°	147.9	130.8	113.1	96.0
107.5°	177.7	158.9	137.6	122.2
110°	196.6	176.2	153.9	140.1

TEST NUMBER: P1427877

CATALOG NUMBER: SQ2W-PH1-K-050U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	215.0	194.1	171.2	157.4
115°	240.0	217.0	195.9	184.1
117.5°	264.1	240.4	218.2	208.8
120°	278.8	255.1	233.4	226.2
122.5°	290.9	267.7	247.6	244.6
125°	309.0	285.4	268.3	272.2
127.5°	323.8	302.1	291.3	300.1
130°	332.7	313.6	307.1	319.6
132.5°	340.6	325.7	322.8	340.1
135°	352.4	343.9	346.5	370.2
137.5°	366.5	363.2	372.0	401.9
140°	375.4	377.4	389.9	423.4
142.5°	387.5	392.1	408.3	444.0
145°	406.4	416.2	437.3	472.8
147.5°	427.7	440.4	466.4	502.9
150°	441.9	458.3	485.9	520.8
152.5°	458.2	475.1	502.7	538.1
155°	483.3	502.3	531.3	561.5
157.5°	508.9	528.4	556.0	582.4
160°	524.7	545.7	570.7	595.1
162.5°	542.6	562.1	583.9	605.6
165°	568.8	584.5	602.3	620.7
167.5°	590.7	603.9	617.8	632.1
170°	604.9	615.4	627.3	638.5
172.5°	617.0	625.4	634.1	643.7
175°	633.2	637.8	643.1	649.0
177.5°	645.7	647.3	648.8	651.5
180°	650.9	650.9	650.9	650.9



TEST NUMBER: P1427877
 CATALOG NUMBER: SQ2W-PH1-K-050U-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	19.18	20.17	20.01	21.02	22.08	18.01	19.00	18.84	19.85	20.91
	3H	21.36	22.25	22.21	23.11	24.20	19.07	19.95	19.91	20.82	21.90
	4H	22.18	23.02	23.04	23.89	24.99	19.32	20.16	20.18	21.02	22.12
	6H	22.66	23.43	23.53	24.30	25.41	19.47	20.24	20.34	21.11	22.22
	8H	22.81	23.55	23.69	24.44	25.55	19.53	20.26	20.41	21.16	22.27
	12H	22.87	23.57	23.76	24.46	25.60	19.54	20.24	20.43	21.13	22.27
4H	2H	19.63	20.47	20.49	21.33	22.43	18.71	19.54	19.57	20.41	21.51
	3H	21.89	22.59	22.77	23.49	24.60	19.95	20.65	20.82	21.55	22.66
	4H	22.77	23.41	23.66	24.30	25.44	20.25	20.88	21.13	21.78	22.92
	6H	23.34	23.89	24.24	24.81	25.95	20.45	21.00	21.35	21.92	23.06
	8H	23.54	24.05	24.45	24.97	26.12	20.54	21.05	21.45	21.97	23.13
	12H	23.63	24.09	24.56	25.03	26.19	20.57	21.03	21.50	21.97	23.13
8H	4H	22.80	23.31	23.71	24.23	25.39	20.48	21.00	21.39	21.91	23.07
	6H	23.44	23.86	24.37	24.82	25.97	20.76	21.18	21.69	22.14	23.29
	8H	23.70	24.08	24.65	25.02	26.20	20.91	21.28	21.85	22.23	23.40
	12H	23.84	24.17	24.79	25.11	26.33	20.98	21.30	21.92	22.25	23.47
12H	4H	22.76	23.22	23.69	24.16	25.32	20.49	20.95	21.41	21.88	23.04
	6H	23.42	23.79	24.36	24.74	25.91	20.79	21.17	21.74	22.12	23.29
	8H	23.69	24.02	24.64	24.96	26.19	20.96	21.29	21.91	22.23	23.45