

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: P1428088

Luminaire Tested: SQ2W-PP3-K-100U-050D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428088
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PP3-K-100U-050D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE PRISM LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

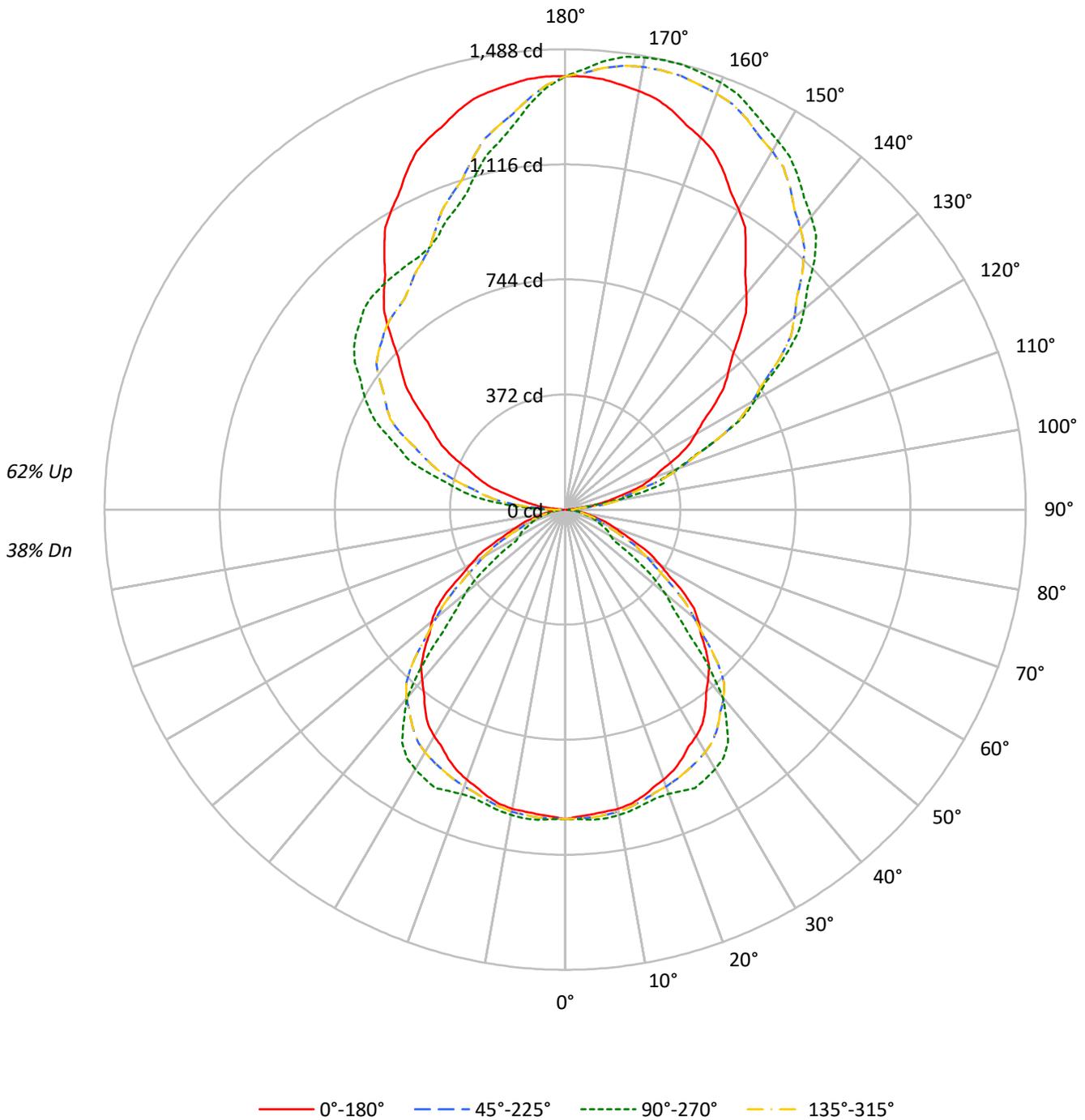
Lumens per Lamp: N/A
Luminaire Lumens: 6615.6 lumens
Efficiency: N/A
Efficacy: 130.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 50.9
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: P1428088

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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	104	104	104	104	95	95	95	95	77	77	77	60	60	60	45	45	45	38
1	96	91	88	84	87	83	80	77	68	66	64	54	52	51	41	40	39	33
2	87	80	74	70	79	73	68	64	60	56	53	48	45	43	36	35	33	28
3	80	71	64	58	72	65	59	54	53	49	45	42	39	37	32	30	29	24
4	73	63	55	49	66	57	51	46	47	42	39	38	34	32	29	27	25	21
5	67	56	48	42	61	51	44	39	42	37	33	34	30	28	26	24	22	18
6	62	50	42	37	56	46	39	34	38	33	29	31	27	24	24	21	19	16
7	57	45	38	32	52	42	35	30	35	29	26	28	24	21	22	19	17	15
8	53	41	34	28	48	38	31	27	31	26	23	26	22	19	20	17	15	13
9	49	37	30	25	45	34	28	24	29	24	20	23	20	17	18	16	14	12
10	46	34	27	23	42	32	25	21	26	22	18	22	18	15	17	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16157	16157	16157	16157
5°	16029	16321	16029	16321
10°	16111	16441	16111	16441
15°	16072	16478	16072	16478
20°	15957	16811	15957	16811
25°	15866	17695	15866	17695
30°	15776	18063	15776	18063
35°	15553	18096	15553	18096
40°	15137	16720	15137	16720
45°	14684	12727	14684	12727
50°	14109	10602	14109	10602
55°	13131	7623	13131	7623
60°	11305	5464	11305	5464
65°	9536	5375	9536	5375
70°	7940	5146	7940	5146
75°	6731	4816	6731	4816
80°	5709	4324	5709	4324
85°	4502	2353	4502	2353

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 16063 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.3	1.4
10°-20°	275.8	4.2
20°-30°	432.0	6.5
30°-40°	532.9	8.1
40°-50°	501.7	7.6
50°-60°	355.3	5.4
60°-70°	202.4	3.1
70°-80°	100.2	1.5
80°-90°	30.3	0.5
90°-100°	111.5	1.7
100°-110°	325.1	4.9
110°-120°	530.5	8.0
120°-130°	673.2	10.2
130°-140°	720.3	10.9
140°-150°	672.6	10.2
150°-160°	553.5	8.4
160°-170°	371.2	5.6
170°-180°	131.8	2.0
0°-30°	803.1	12.1
0°-40°	1336.0	20.2
0°-60°	2193.0	33.1
0°-90°	2525.9	38.2
90°-120°	967.1	14.6
90°-150°	3033.2	45.8
90°-180°	4090.0	61.8
0°-180°	6615.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1001	1001	1001	1001	1001	
5°	989	1007	989	1007	989	94
15°	962	986	962	986	962	271
25°	891	993	891	993	891	410
35°	789	918	789	918	789	492
45°	643	557	643	557	643	495
55°	466	271	466	271	466	412
65°	250	141	250	141	250	251
75°	108	77	108	77	108	117
85°	24	13	24	13	24	29
90°	4	31	4	61	4	4
95°	44	32	44	191	44	53
105°	207	331	207	456	207	220
115°	396	549	396	676	396	390
125°	586	870	586	829	586	524
135°	796	1139	796	918	796	616
145°	1017	1313	1017	938	1017	636
155°	1208	1426	1208	973	1208	555
165°	1336	1487	1336	1120	1336	376
175°	1396	1456	1396	1314	1396	132
180°	1401	1401	1401	1401	1401	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7
2.5°	993.0	999.4	1005.8	1004.3	1000.2	998.5	999.2	1000.0	1000.7	1001.5	1000.7
5°	989.0	997.0	1005.0	1003.8	999.6	998.0	998.9	1000.4	1003.7	1007.0	1003.7
7.5°	985.2	993.4	1001.6	1000.5	996.4	995.1	996.7	998.9	1003.0	1007.0	1003.0
10°	982.7	989.7	996.8	995.7	992.0	991.3	993.6	996.2	999.5	1002.8	999.5
12.5°	975.1	981.7	988.4	987.5	984.2	984.0	987.1	990.2	993.1	996.0	993.1
15°	961.5	967.6	973.7	973.9	972.0	973.2	977.4	981.1	983.5	985.8	983.5
17.5°	943.1	950.5	958.0	959.7	959.5	962.4	968.4	973.6	976.0	978.4	976.0
20°	928.7	937.7	946.6	949.5	950.5	954.7	962.2	969.0	973.7	978.4	973.7
22.5°	913.5	923.9	934.4	938.2	939.9	946.4	957.7	968.2	976.3	984.4	976.3
25°	890.6	901.0	911.3	918.9	925.4	937.0	953.4	968.8	981.0	993.3	981.0
27.5°	864.0	874.2	884.5	897.4	911.2	927.4	945.9	962.2	971.9	981.6	971.9
30°	846.2	856.1	866.0	880.8	897.2	915.1	934.4	951.1	960.0	968.9	960.0
32.5°	824.2	834.5	844.7	860.5	878.0	897.2	918.0	935.6	943.8	952.0	943.8
35°	789.1	799.0	808.8	827.2	848.3	869.7	891.4	908.7	913.4	918.1	913.4
37.5°	748.7	759.9	771.1	791.6	815.3	833.2	845.4	854.5	854.8	855.1	854.8
40°	718.2	732.8	747.4	767.9	790.5	803.0	805.3	805.6	799.4	793.3	799.4
42.5°	688.6	707.3	726.0	742.6	758.4	761.6	752.3	738.5	711.3	684.2	711.3
45°	643.1	665.2	687.3	697.4	703.5	682.9	635.4	595.1	576.3	557.4	576.3
47.5°	594.7	616.5	638.3	635.5	624.5	593.2	541.6	499.6	486.6	473.7	486.6
50°	561.7	582.4	603.0	588.1	561.3	526.1	482.3	446.5	434.3	422.1	434.3
52.5°	524.4	542.9	561.3	538.8	502.6	465.4	427.3	394.1	375.5	356.9	375.5
55°	466.5	479.2	491.9	467.2	430.0	389.1	344.5	306.5	288.7	270.8	288.7
57.5°	396.7	405.6	414.5	395.1	366.2	325.6	273.1	228.8	208.7	188.7	208.7
60°	350.1	357.2	364.2	346.6	320.7	282.0	230.2	189.0	179.1	169.2	179.1
62.5°	307.8	314.1	320.4	302.0	275.4	240.8	198.1	165.2	161.7	158.2	161.7
65°	249.6	255.7	261.9	242.6	214.8	187.8	161.5	141.6	141.2	140.7	141.2
67.5°	198.7	205.3	212.0	193.9	167.4	147.5	133.9	123.6	123.1	122.5	123.1
70°	168.2	175.2	182.3	165.4	140.4	124.2	116.7	110.8	109.9	109.0	109.9
72.5°	142.8	149.5	156.2	141.4	119.5	106.1	101.2	97.4	96.8	96.3	96.8
75°	107.9	113.1	118.2	107.5	91.6	82.4	80.0	78.2	77.7	77.2	77.7
77.5°	78.3	81.6	84.9	77.9	67.4	61.6	60.4	59.3	58.9	58.4	58.9
80°	61.4	62.8	64.2	59.2	52.2	48.4	48.0	47.5	47.0	46.5	47.0
82.5°	46.1	45.6	45.2	42.3	38.6	36.6	36.1	35.5	34.7	33.8	34.7
85°	24.3	23.4	22.4	21.5	20.6	19.2	17.3	15.5	14.1	12.7	14.1
87.5°	8.5	9.6	11.0	10.7	9.7	8.9	8.5	8.5	8.8	8.8	8.8
90°	4.2	9.9	17.0	22.6	26.9	28.3	28.3	29.7	31.1	31.1	31.1
92.5°	15.6	24.6	24.9	24.9	30.3	32.8	35.1	35.4	36.8	36.8	36.8
95°	43.9	48.1	72.2	70.7	48.1	38.2	32.5	32.5	32.5	32.5	32.5
97.5°	83.8	90.0	93.9	125.9	133.0	128.5	104.7	88.0	78.7	74.4	78.7
100°	118.8	121.7	130.2	131.6	166.9	200.9	183.9	162.7	155.6	151.4	155.6
102.5°	153.9	155.6	168.6	174.6	182.8	202.0	260.9	254.4	249.6	248.7	249.6
105°	206.6	208.0	232.0	243.3	249.0	249.0	247.6	275.9	321.2	331.1	321.2
107.5°	262.9	269.4	297.7	328.0	334.5	336.2	328.8	324.6	322.9	324.0	322.9
110°	301.4	311.3	345.2	383.4	393.3	396.1	393.3	389.1	386.2	386.2	386.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	338.7	353.1	391.6	435.5	452.2	460.7	454.4	451.3	448.5	450.8	448.5
115°	396.1	417.4	468.3	513.6	547.5	551.8	550.4	550.4	548.9	548.9	548.9
117.5°	449.3	483.3	540.5	593.1	632.4	643.7	649.4	647.7	646.0	648.8	646.0
120°	486.7	526.3	591.4	650.8	689.0	706.0	711.6	708.8	711.6	708.8	711.6
122.5°	526.3	575.0	638.9	700.6	745.6	764.8	771.6	772.2	772.8	771.1	772.8
125°	585.7	645.2	720.1	783.8	830.5	853.1	858.8	860.2	863.0	870.1	863.0
127.5°	645.7	713.1	795.4	856.8	904.6	932.1	940.8	944.0	949.9	953.0	949.9
130°	687.6	764.0	847.5	905.5	952.2	981.9	997.4	1001.7	1008.8	1007.3	1008.8
132.5°	731.7	811.5	896.1	956.4	999.7	1031.7	1045.0	1057.1	1059.7	1061.7	1059.7
135°	796.5	882.8	967.7	1027.2	1068.2	1099.3	1116.3	1127.6	1134.7	1138.9	1134.7
137.5°	864.7	955.8	1037.3	1090.3	1131.6	1158.4	1177.7	1189.6	1196.9	1200.3	1196.9
140°	911.1	998.9	1078.1	1133.3	1170.0	1196.9	1213.9	1228.1	1236.5	1236.5	1236.5
142.5°	955.3	1041.9	1118.8	1174.0	1206.3	1230.9	1249.0	1259.7	1269.4	1269.4	1269.4
145°	1017.2	1103.6	1174.3	1229.5	1256.4	1279.0	1298.8	1307.3	1312.9	1312.9	1312.9
147.5°	1082.0	1158.4	1223.0	1275.9	1298.5	1325.1	1340.7	1347.5	1354.5	1351.4	1354.5
150°	1120.5	1191.3	1253.5	1303.0	1325.7	1351.1	1366.7	1372.4	1379.4	1375.2	1379.4
152.5°	1157.9	1225.2	1281.8	1327.9	1347.2	1372.6	1390.5	1396.1	1400.9	1397.8	1400.9
155°	1208.2	1267.7	1320.0	1362.5	1379.4	1403.5	1420.5	1427.5	1433.2	1426.1	1433.2
157.5°	1253.2	1304.5	1350.0	1389.1	1407.2	1427.8	1443.7	1452.4	1458.1	1455.0	1458.1
160°	1280.4	1327.1	1368.1	1404.9	1421.9	1440.3	1457.3	1467.2	1472.8	1468.6	1472.8
162.5°	1303.0	1345.2	1384.0	1417.4	1432.1	1448.2	1468.6	1477.3	1483.0	1477.6	1483.0
165°	1335.6	1369.5	1403.5	1431.8	1444.5	1457.3	1478.5	1488.4	1492.6	1487.0	1492.6
167.5°	1360.2	1386.2	1413.7	1438.0	1447.4	1459.8	1481.0	1489.2	1494.6	1487.5	1494.6
170°	1373.8	1396.4	1420.5	1440.3	1447.4	1458.7	1479.9	1487.0	1491.2	1484.1	1491.2
172.5°	1385.1	1402.1	1421.6	1439.1	1442.8	1451.9	1472.0	1479.0	1482.2	1476.2	1482.2
175°	1396.4	1406.3	1420.5	1431.8	1430.4	1436.0	1453.0	1458.7	1464.3	1455.8	1464.3
177.5°	1401.8	1406.3	1410.8	1417.6	1413.1	1413.1	1425.6	1429.0	1430.1	1425.6	1430.1
180°	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7
2.5°	1000.0	999.2	998.5	1000.2	1004.3	1005.8	999.4	993.0	999.4	1005.8	1004.3
5°	1000.4	998.9	998.0	999.6	1003.8	1005.0	997.0	989.0	997.0	1005.0	1003.8
7.5°	998.9	996.7	995.1	996.4	1000.5	1001.6	993.4	985.2	993.4	1001.6	1000.5
10°	996.2	993.6	991.3	992.0	995.7	996.8	989.7	982.7	989.7	996.8	995.7
12.5°	990.2	987.1	984.0	984.2	987.5	988.4	981.7	975.1	981.7	988.4	987.5
15°	981.1	977.4	973.2	972.0	973.9	973.7	967.6	961.5	967.6	973.7	973.9
17.5°	973.6	968.4	962.4	959.5	959.7	958.0	950.5	943.1	950.5	958.0	959.7
20°	969.0	962.2	954.7	950.5	949.5	946.6	937.7	928.7	937.7	946.6	949.5
22.5°	968.2	957.7	946.4	939.9	938.2	934.4	923.9	913.5	923.9	934.4	938.2
25°	968.8	953.4	937.0	925.4	918.9	911.3	901.0	890.6	901.0	911.3	918.9
27.5°	962.2	945.9	927.4	911.2	897.4	884.5	874.2	864.0	874.2	884.5	897.4
30°	951.1	934.4	915.1	897.2	880.8	866.0	856.1	846.2	856.1	866.0	880.8
32.5°	935.6	918.0	897.2	878.0	860.5	844.7	834.5	824.2	834.5	844.7	860.5
35°	908.7	891.4	869.7	848.3	827.2	808.8	799.0	789.1	799.0	808.8	827.2
37.5°	854.5	845.4	833.2	815.3	791.6	771.1	759.9	748.7	759.9	771.1	791.6
40°	805.6	805.3	803.0	790.5	767.9	747.4	732.8	718.2	732.8	747.4	767.9
42.5°	738.5	752.3	761.6	758.4	742.6	726.0	707.3	688.6	707.3	726.0	742.6
45°	595.1	635.4	682.9	703.5	697.4	687.3	665.2	643.1	665.2	687.3	697.4
47.5°	499.6	541.6	593.2	624.5	635.5	638.3	616.5	594.7	616.5	638.3	635.5
50°	446.5	482.3	526.1	561.3	588.1	603.0	582.4	561.7	582.4	603.0	588.1
52.5°	394.1	427.3	465.4	502.6	538.8	561.3	542.9	524.4	542.9	561.3	538.8
55°	306.5	344.5	389.1	430.0	467.2	491.9	479.2	466.5	479.2	491.9	467.2
57.5°	228.8	273.1	325.6	366.2	395.1	414.5	405.6	396.7	405.6	414.5	395.1
60°	189.0	230.2	282.0	320.7	346.6	364.2	357.2	350.1	357.2	364.2	346.6
62.5°	165.2	198.1	240.8	275.4	302.0	320.4	314.1	307.8	314.1	320.4	302.0
65°	141.6	161.5	187.8	214.8	242.6	261.9	255.7	249.6	255.7	261.9	242.6
67.5°	123.6	133.9	147.5	167.4	193.9	212.0	205.3	198.7	205.3	212.0	193.9
70°	110.8	116.7	124.2	140.4	165.4	182.3	175.2	168.2	175.2	182.3	165.4
72.5°	97.4	101.2	106.1	119.5	141.4	156.2	149.5	142.8	149.5	156.2	141.4
75°	78.2	80.0	82.4	91.6	107.5	118.2	113.1	107.9	113.1	118.2	107.5
77.5°	59.3	60.4	61.6	67.4	77.9	84.9	81.6	78.3	81.6	84.9	77.9
80°	47.5	48.0	48.4	52.2	59.2	64.2	62.8	61.4	62.8	64.2	59.2
82.5°	35.5	36.1	36.6	38.6	42.3	45.2	45.6	46.1	45.6	45.2	42.3
85°	15.5	17.3	19.2	20.6	21.5	22.4	23.4	24.3	23.4	22.4	21.5
87.5°	8.5	8.5	8.9	9.7	10.7	11.0	9.6	8.5	9.6	10.7	11.3
90°	29.7	28.3	28.3	26.9	22.6	17.0	9.9	4.2	9.9	15.6	25.5
92.5°	35.4	35.1	32.8	30.3	24.9	24.9	24.6	15.6	26.9	38.2	54.9
95°	32.5	32.5	38.2	48.1	70.7	72.2	48.1	43.9	62.3	87.7	110.4
97.5°	88.0	104.7	128.5	133.0	125.9	93.9	90.0	83.8	114.0	139.2	175.7
100°	162.7	183.9	200.9	166.9	131.6	130.2	121.7	118.8	151.4	175.4	210.8
102.5°	254.4	260.9	202.0	182.8	174.6	168.6	155.6	153.9	186.5	219.6	249.3
105°	275.9	247.6	249.0	249.0	243.3	232.0	208.0	206.6	243.3	281.5	318.3
107.5°	324.6	328.8	336.2	334.5	328.0	297.7	269.4	262.9	296.0	341.8	382.3
110°	389.1	393.3	396.1	393.3	383.4	345.2	311.3	301.4	331.1	379.2	423.0



TEST NUMBER: P1428088

CATALOG NUMBER: SQ2W-PP3-K-100U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	451.3	454.4	460.7	452.2	435.5	391.6	353.1	338.7	368.4	417.7	462.6
115°	550.4	550.4	551.8	547.5	513.6	468.3	417.4	396.1	421.6	466.9	516.4
117.5°	647.7	649.4	643.7	632.4	593.1	540.5	483.3	449.3	469.4	517.3	568.2
120°	708.8	711.6	706.0	689.0	650.8	591.4	526.3	486.7	502.3	548.9	599.9
122.5°	772.2	771.6	764.8	745.6	700.6	638.9	575.0	526.3	532.8	576.1	625.9
125°	860.2	858.8	853.1	830.5	783.8	720.1	645.2	585.7	577.2	614.0	665.0
127.5°	944.0	940.8	932.1	904.6	856.8	795.4	713.1	645.7	626.8	650.0	696.7
130°	1001.7	997.4	981.9	952.2	905.5	847.5	764.0	687.6	660.7	674.9	715.9
132.5°	1057.1	1045.0	1031.7	999.7	956.4	896.1	811.5	731.7	694.7	700.9	732.9
135°	1127.6	1116.3	1099.3	1068.2	1027.2	967.7	882.8	796.5	745.6	739.9	758.3
137.5°	1189.6	1177.7	1158.4	1131.6	1090.3	1037.3	955.8	864.7	800.5	781.5	788.6
140°	1228.1	1213.9	1196.9	1170.0	1133.3	1078.1	998.9	911.1	839.0	812.1	807.9
142.5°	1259.7	1249.0	1230.9	1206.3	1174.0	1118.8	1041.9	955.3	878.6	843.8	833.9
145°	1307.3	1298.8	1279.0	1256.4	1229.5	1174.3	1103.6	1017.2	940.8	895.6	874.4
147.5°	1347.5	1340.7	1325.1	1298.5	1275.9	1223.0	1158.4	1082.0	1003.7	947.6	920.2
150°	1372.4	1366.7	1351.1	1325.7	1303.0	1253.5	1191.3	1120.5	1045.5	986.1	950.8
152.5°	1396.1	1390.5	1372.6	1347.2	1327.9	1281.8	1225.2	1157.9	1081.8	1022.3	985.8
155°	1427.5	1420.5	1403.5	1379.4	1362.5	1320.0	1267.7	1208.2	1143.2	1080.9	1039.9
157.5°	1452.4	1443.7	1427.8	1407.2	1389.1	1350.0	1304.5	1253.2	1196.4	1136.9	1095.1
160°	1467.2	1457.3	1440.3	1421.9	1404.9	1368.1	1327.1	1280.4	1228.1	1174.3	1129.0
162.5°	1477.3	1468.6	1448.2	1432.1	1417.4	1384.0	1345.2	1303.0	1256.4	1209.4	1167.5
165°	1488.4	1478.5	1457.3	1444.5	1431.8	1403.5	1369.5	1335.6	1296.0	1257.8	1223.8
167.5°	1489.2	1481.0	1459.8	1447.4	1438.0	1413.7	1386.2	1360.2	1329.4	1299.4	1271.1
170°	1487.0	1479.9	1458.7	1447.4	1440.3	1420.5	1396.4	1373.8	1349.7	1324.3	1301.6
172.5°	1479.0	1472.0	1451.9	1442.8	1439.1	1421.6	1402.1	1385.1	1364.4	1345.8	1327.7
175°	1458.7	1453.0	1436.0	1430.4	1431.8	1420.5	1406.3	1396.4	1383.7	1372.4	1362.5
177.5°	1429.0	1425.6	1413.1	1413.1	1417.6	1410.8	1406.3	1401.8	1396.1	1392.7	1389.3
180°	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7



TEST NUMBER: P1428088

CATALOG NUMBER: SQ2W-PP3-K-100U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7
2.5°	1000.2	998.5	999.2	1000.0	1000.7	1001.5	1000.7	1000.0	999.2	998.5	1000.2
5°	999.6	998.0	998.9	1000.4	1003.7	1007.0	1003.7	1000.4	998.9	998.0	999.6
7.5°	996.4	995.1	996.7	998.9	1003.0	1007.0	1003.0	998.9	996.7	995.1	996.4
10°	992.0	991.3	993.6	996.2	999.5	1002.8	999.5	996.2	993.6	991.3	992.0
12.5°	984.2	984.0	987.1	990.2	993.1	996.0	993.1	990.2	987.1	984.0	984.2
15°	972.0	973.2	977.4	981.1	983.5	985.8	983.5	981.1	977.4	973.2	972.0
17.5°	959.5	962.4	968.4	973.6	976.0	978.4	976.0	973.6	968.4	962.4	959.5
20°	950.5	954.7	962.2	969.0	973.7	978.4	973.7	969.0	962.2	954.7	950.5
22.5°	939.9	946.4	957.7	968.2	976.3	984.4	976.3	968.2	957.7	946.4	939.9
25°	925.4	937.0	953.4	968.8	981.0	993.3	981.0	968.8	953.4	937.0	925.4
27.5°	911.2	927.4	945.9	962.2	971.9	981.6	971.9	962.2	945.9	927.4	911.2
30°	897.2	915.1	934.4	951.1	960.0	968.9	960.0	951.1	934.4	915.1	897.2
32.5°	878.0	897.2	918.0	935.6	943.8	952.0	943.8	935.6	918.0	897.2	878.0
35°	848.3	869.7	891.4	908.7	913.4	918.1	913.4	908.7	891.4	869.7	848.3
37.5°	815.3	833.2	845.4	854.5	854.8	855.1	854.8	854.5	845.4	833.2	815.3
40°	790.5	803.0	805.3	805.6	799.4	793.3	799.4	805.6	805.3	803.0	790.5
42.5°	758.4	761.6	752.3	738.5	711.3	684.2	711.3	738.5	752.3	761.6	758.4
45°	703.5	682.9	635.4	595.1	576.3	557.4	576.3	595.1	635.4	682.9	703.5
47.5°	624.5	593.2	541.6	499.6	486.6	473.7	486.6	499.6	541.6	593.2	624.5
50°	561.3	526.1	482.3	446.5	434.3	422.1	434.3	446.5	482.3	526.1	561.3
52.5°	502.6	465.4	427.3	394.1	375.5	356.9	375.5	394.1	427.3	465.4	502.6
55°	430.0	389.1	344.5	306.5	288.7	270.8	288.7	306.5	344.5	389.1	430.0
57.5°	366.2	325.6	273.1	228.8	208.7	188.7	208.7	228.8	273.1	325.6	366.2
60°	320.7	282.0	230.2	189.0	179.1	169.2	179.1	189.0	230.2	282.0	320.7
62.5°	275.4	240.8	198.1	165.2	161.7	158.2	161.7	165.2	198.1	240.8	275.4
65°	214.8	187.8	161.5	141.6	141.2	140.7	141.2	141.6	161.5	187.8	214.8
67.5°	167.4	147.5	133.9	123.6	123.1	122.5	123.1	123.6	133.9	147.5	167.4
70°	140.4	124.2	116.7	110.8	109.9	109.0	109.9	110.8	116.7	124.2	140.4
72.5°	119.5	106.1	101.2	97.4	96.8	96.3	96.8	97.4	101.2	106.1	119.5
75°	91.6	82.4	80.0	78.2	77.7	77.2	77.7	78.2	80.0	82.4	91.6
77.5°	67.4	61.6	60.4	59.3	58.9	58.4	58.9	59.3	60.4	61.6	67.4
80°	52.2	48.4	48.0	47.5	47.0	46.5	47.0	47.5	48.0	48.4	52.2
82.5°	38.6	36.6	36.1	35.5	34.7	33.8	34.7	35.5	36.1	36.6	38.6
85°	20.6	19.2	17.3	15.5	14.1	12.7	14.1	15.5	17.3	19.2	20.6
87.5°	10.8	11.7	13.3	14.1	15.3	14.7	15.3	14.1	13.3	11.7	10.8
90°	32.5	42.4	52.3	58.0	63.7	60.8	63.7	58.0	52.3	42.4	32.5
92.5°	65.4	82.1	94.2	104.4	108.9	108.4	108.9	104.4	94.2	82.1	65.4
95°	131.6	151.4	171.2	185.3	193.8	191.0	193.8	185.3	171.2	151.4	131.6
97.5°	202.9	229.5	251.6	264.9	273.3	279.0	273.3	264.9	251.6	229.5	202.9
100°	250.4	275.9	301.4	316.9	331.1	336.7	331.1	316.9	301.4	275.9	250.4
102.5°	288.9	322.3	350.0	366.7	378.6	384.3	378.6	366.7	350.0	322.3	288.9
105°	352.3	387.7	417.4	438.6	451.3	455.6	451.3	438.6	417.4	387.7	352.3
107.5°	415.7	452.2	479.6	503.1	518.7	527.7	518.7	503.1	479.6	452.2	415.7
110°	465.5	495.2	524.9	546.1	561.7	567.3	561.7	546.1	524.9	495.2	465.5



TEST NUMBER: P1428088

CATALOG NUMBER: SQ2W-PP3-K-100U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	507.4	540.5	570.2	591.4	609.2	617.1	609.2	591.4	570.2	540.5	507.4
115°	565.9	609.8	636.7	656.5	669.2	676.3	669.2	656.5	636.7	609.8	565.9
117.5°	614.6	660.4	689.9	705.1	711.1	716.2	711.1	705.1	689.9	660.4	614.6
120°	645.2	687.6	721.6	741.4	748.4	751.3	748.4	741.4	721.6	687.6	645.2
122.5°	673.4	713.6	746.5	770.8	782.4	785.2	782.4	770.8	746.5	713.6	673.4
125°	713.1	751.3	785.2	809.3	822.0	829.1	822.0	809.3	785.2	751.3	713.1
127.5°	747.6	788.9	820.0	841.8	854.3	859.9	854.3	841.8	820.0	788.9	747.6
130°	766.8	809.3	840.4	864.4	875.8	881.4	875.8	864.4	840.4	809.3	766.8
132.5°	781.5	826.2	858.5	880.3	892.7	898.4	892.7	880.3	858.5	826.2	781.5
135°	799.4	846.1	880.0	901.2	912.6	918.2	912.6	901.2	880.0	846.1	799.4
137.5°	814.9	857.4	892.7	915.1	925.3	929.0	925.3	915.1	892.7	857.4	814.9
140°	826.2	863.0	898.4	919.6	930.9	932.4	930.9	919.6	898.4	863.0	826.2
142.5°	841.0	869.8	900.7	921.9	933.2	935.8	933.2	921.9	900.7	869.8	841.0
145°	867.3	884.3	905.5	925.3	935.2	938.0	935.2	925.3	905.5	884.3	867.3
147.5°	900.4	905.8	916.8	929.8	939.4	941.4	939.4	929.8	916.8	905.8	900.4
150°	925.3	923.9	928.1	936.6	945.1	943.7	945.1	936.6	928.1	923.9	925.3
152.5°	953.6	945.4	945.1	949.1	953.0	952.7	953.0	949.1	945.1	945.4	953.6
155°	1001.7	986.1	977.6	974.8	974.8	973.4	974.8	974.8	977.6	986.1	1001.7
157.5°	1054.6	1032.8	1020.1	1013.3	1011.3	1008.2	1011.3	1013.3	1020.1	1032.8	1054.6
160°	1090.8	1066.8	1054.0	1042.7	1038.5	1034.2	1038.5	1042.7	1054.0	1066.8	1090.8
162.5°	1124.8	1101.9	1088.0	1077.8	1073.6	1067.1	1073.6	1077.8	1088.0	1101.9	1124.8
165°	1180.0	1155.9	1140.3	1131.8	1126.2	1120.5	1126.2	1131.8	1140.3	1155.9	1180.0
167.5°	1235.1	1208.8	1198.6	1189.0	1183.6	1173.4	1183.6	1189.0	1198.6	1208.8	1235.1
170°	1269.1	1245.0	1239.4	1230.9	1221.0	1209.7	1221.0	1230.9	1239.4	1245.0	1269.1
172.5°	1298.5	1282.4	1276.7	1268.2	1265.1	1256.1	1265.1	1268.2	1276.7	1282.4	1298.5
175°	1341.2	1328.5	1328.5	1327.1	1322.8	1314.4	1322.8	1327.1	1328.5	1328.5	1341.2
177.5°	1376.9	1370.1	1374.6	1374.6	1373.5	1365.6	1373.5	1374.6	1374.6	1370.1	1376.9
180°	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7



TEST NUMBER: P1428088

CATALOG NUMBER: SQ2W-PP3-K-100U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1000.7	1000.7	1000.7	1000.7
2.5°	1004.3	1005.8	999.4	993.0
5°	1003.8	1005.0	997.0	989.0
7.5°	1000.5	1001.6	993.4	985.2
10°	995.7	996.8	989.7	982.7
12.5°	987.5	988.4	981.7	975.1
15°	973.9	973.7	967.6	961.5
17.5°	959.7	958.0	950.5	943.1
20°	949.5	946.6	937.7	928.7
22.5°	938.2	934.4	923.9	913.5
25°	918.9	911.3	901.0	890.6
27.5°	897.4	884.5	874.2	864.0
30°	880.8	866.0	856.1	846.2
32.5°	860.5	844.7	834.5	824.2
35°	827.2	808.8	799.0	789.1
37.5°	791.6	771.1	759.9	748.7
40°	767.9	747.4	732.8	718.2
42.5°	742.6	726.0	707.3	688.6
45°	697.4	687.3	665.2	643.1
47.5°	635.5	638.3	616.5	594.7
50°	588.1	603.0	582.4	561.7
52.5°	538.8	561.3	542.9	524.4
55°	467.2	491.9	479.2	466.5
57.5°	395.1	414.5	405.6	396.7
60°	346.6	364.2	357.2	350.1
62.5°	302.0	320.4	314.1	307.8
65°	242.6	261.9	255.7	249.6
67.5°	193.9	212.0	205.3	198.7
70°	165.4	182.3	175.2	168.2
72.5°	141.4	156.2	149.5	142.8
75°	107.5	118.2	113.1	107.9
77.5°	77.9	84.9	81.6	78.3
80°	59.2	64.2	62.8	61.4
82.5°	42.3	45.2	45.6	46.1
85°	21.5	22.4	23.4	24.3
87.5°	11.3	10.7	9.6	8.5
90°	25.5	15.6	9.9	4.2
92.5°	54.9	38.2	26.9	15.6
95°	110.4	87.7	62.3	43.9
97.5°	175.7	139.2	114.0	83.8
100°	210.8	175.4	151.4	118.8
102.5°	249.3	219.6	186.5	153.9
105°	318.3	281.5	243.3	206.6
107.5°	382.3	341.8	296.0	262.9
110°	423.0	379.2	331.1	301.4



TEST NUMBER: P1428088

CATALOG NUMBER: SQ2W-PP3-K-100U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	462.6	417.7	368.4	338.7
115°	516.4	466.9	421.6	396.1
117.5°	568.2	517.3	469.4	449.3
120°	599.9	548.9	502.3	486.7
122.5°	625.9	576.1	532.8	526.3
125°	665.0	614.0	577.2	585.7
127.5°	696.7	650.0	626.8	645.7
130°	715.9	674.9	660.7	687.6
132.5°	732.9	700.9	694.7	731.7
135°	758.3	739.9	745.6	796.5
137.5°	788.6	781.5	800.5	864.7
140°	807.9	812.1	839.0	911.1
142.5°	833.9	843.8	878.6	955.3
145°	874.4	895.6	940.8	1017.2
147.5°	920.2	947.6	1003.7	1082.0
150°	950.8	986.1	1045.5	1120.5
152.5°	985.8	1022.3	1081.8	1157.9
155°	1039.9	1080.9	1143.2	1208.2
157.5°	1095.1	1136.9	1196.4	1253.2
160°	1129.0	1174.3	1228.1	1280.4
162.5°	1167.5	1209.4	1256.4	1303.0
165°	1223.8	1257.8	1296.0	1335.6
167.5°	1271.1	1299.4	1329.4	1360.2
170°	1301.6	1324.3	1349.7	1373.8
172.5°	1327.7	1345.8	1364.4	1385.1
175°	1362.5	1372.4	1383.7	1396.4
177.5°	1389.3	1392.7	1396.1	1401.8
180°	1400.7	1400.7	1400.7	1400.7



TEST NUMBER: P1428088
 CATALOG NUMBER: SQ2W-PP3-K-100U-050D-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	15.90	16.65	16.96	17.70	19.14	11.68	12.42	12.73	13.48	14.91
	3H	16.95	17.62	18.02	18.68	20.14	12.98	13.64	14.04	14.71	16.16
	4H	17.32	17.95	18.40	19.01	20.47	13.53	14.15	14.61	15.22	16.68
	6H	17.51	18.08	18.59	19.15	20.62	13.88	14.46	14.97	15.53	17.00
	8H	17.56	18.11	18.66	19.20	20.66	14.01	14.56	15.10	15.65	17.11
	12H	17.58	18.10	18.68	19.18	20.67	14.04	14.56	15.14	15.64	17.13
4H	2H	16.01	16.64	17.09	17.70	19.16	12.57	13.20	13.66	14.27	15.72
	3H	17.29	17.81	18.38	18.91	20.38	13.98	14.50	15.07	15.60	17.07
	4H	17.79	18.27	18.89	19.36	20.85	14.60	15.07	15.70	16.16	17.65
	6H	18.10	18.51	19.21	19.62	21.11	15.04	15.45	16.14	16.56	18.04
	8H	18.21	18.59	19.32	19.69	21.19	15.20	15.59	16.31	16.69	18.19
	12H	18.25	18.59	19.37	19.71	21.21	15.25	15.59	16.37	16.71	18.21
8H	4H	17.80	18.19	18.91	19.29	20.79	14.90	15.28	16.00	16.38	17.88
	6H	18.21	18.53	19.34	19.67	21.17	15.45	15.77	16.58	16.91	18.41
	8H	18.39	18.67	19.53	19.79	21.31	15.70	15.98	16.83	17.10	18.62
	12H	18.48	18.73	19.62	19.85	21.40	15.80	16.04	16.93	17.16	18.72
12H	4H	17.76	18.10	18.88	19.22	20.72	14.90	15.25	16.03	16.36	17.87
	6H	18.20	18.48	19.34	19.61	21.12	15.52	15.80	16.65	16.92	18.44
	8H	18.40	18.64	19.53	19.76	21.31	15.79	16.03	16.93	17.15	18.71