

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: P1428429

Luminaire Tested: SQ2W-PW1-K-100U-075D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428429
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PW1-K-100U-075D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE WAVES LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

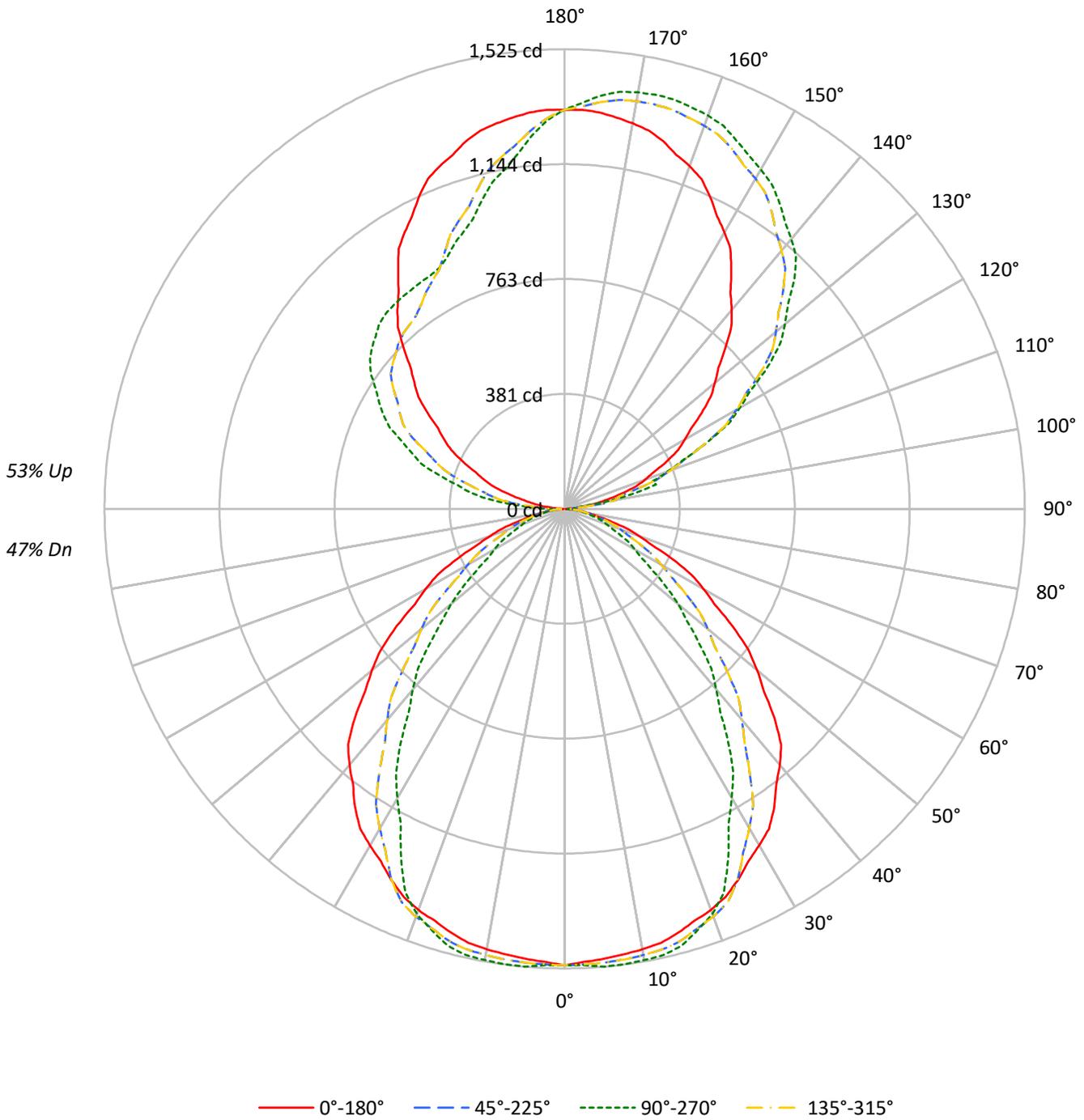
Lumens per Lamp: N/A
Luminaire Lumens: 7232.8 lumens
Efficiency: N/A
Efficacy: 121.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 59.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	106	106	106	106	98	98	98	98	81	81	81	67	67	67	53	53	53	47				47
1	98	93	90	86	89	86	83	80	72	70	68	59	58	56	48	47	46				40	
2	89	82	76	71	82	76	71	67	64	60	57	53	50	48	43	41	39				35	
3	82	73	66	60	75	67	61	56	57	52	49	47	44	41	38	36	34				30	
4	75	65	57	51	69	60	53	48	51	46	42	42	39	36	34	32	30				26	
5	69	58	50	44	63	54	47	42	46	40	36	38	34	31	31	28	26				23	
6	64	52	44	39	58	48	41	36	41	36	32	35	31	28	28	26	23				20	
7	59	47	39	34	54	44	37	32	38	32	28	32	28	25	26	23	21				18	
8	55	43	35	30	50	40	33	28	34	29	25	29	25	22	24	21	19				16	
9	51	39	32	27	47	37	30	26	31	26	23	27	23	20	22	19	17				15	
10	48	36	29	24	44	34	27	23	29	24	21	25	21	18	21	18	16				14	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	24456	24456	24456	24456
5°	24291	24713	24291	24713
10°	24336	24928	24336	24928
15°	24331	25078	24331	25078
20°	24340	24587	24340	24587
25°	24208	22847	24208	22847
30°	24044	20655	24044	20655
35°	23855	18652	23855	18652
40°	23380	16480	23380	16480
45°	22463	14394	22463	14394
50°	20908	12320	20908	12320
55°	19127	9990	19127	9990
60°	17143	8618	17143	8618
65°	14991	7660	14991	7660
70°	12260	6944	12260	6944
75°	9538	6388	9538	6388
80°	7113	5634	7113	5634
85°	4816	3205	4816	3205

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 22463 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.2	2.0
10°-20°	417.9	5.8
20°-30°	615.0	8.5
30°-40°	672.4	9.3
40°-50°	603.2	8.3
50°-60°	450.0	6.2
60°-70°	284.4	3.9
70°-80°	140.9	1.9
80°-90°	38.5	0.5
90°-100°	105.4	1.5
100°-110°	307.3	4.2
110°-120°	501.5	6.9
120°-130°	636.4	8.8
130°-140°	681.0	9.4
140°-150°	635.9	8.8
150°-160°	523.2	7.2
160°-170°	350.9	4.9
170°-180°	124.6	1.7
0°-30°	1177.2	16.3
0°-40°	1849.6	25.6
0°-60°	2902.8	40.1
0°-90°	3366.5	46.5
90°-120°	914.2	12.6
90°-150°	2867.5	39.6
90°-180°	3866.0	53.5
0°-180°	7232.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1515	1515	1515	1515	1515	
5°	1499	1525	1499	1525	1499	143
15°	1456	1500	1456	1500	1456	411
25°	1359	1282	1359	1282	1359	626
35°	1210	946	1210	946	1210	755
45°	984	630	984	630	984	754
55°	680	355	680	355	680	607
65°	392	200	392	200	392	389
75°	153	102	153	102	153	168
85°	26	17	26	17	26	33
90°	4	29	4	58	4	4
95°	42	31	42	181	42	50
105°	195	313	195	431	195	208
115°	374	519	374	639	374	369
125°	554	823	554	784	554	495
135°	753	1077	753	868	753	582
145°	962	1241	962	887	962	602
155°	1142	1348	1142	920	1142	525
165°	1263	1406	1263	1059	1263	355
175°	1320	1376	1320	1243	1320	125
180°	1324	1324	1324	1324	1324	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7
2.5°	1504.3	1513.0	1521.8	1519.7	1514.1	1511.5	1512.0	1512.8	1514.3	1515.9	1514.3
5°	1498.8	1509.7	1520.6	1519.0	1513.3	1510.7	1511.3	1513.3	1519.0	1524.8	1519.0
7.5°	1491.3	1502.4	1513.4	1512.9	1508.5	1507.4	1509.6	1512.7	1518.3	1523.9	1518.3
10°	1484.4	1496.0	1507.5	1507.5	1503.7	1503.3	1506.5	1510.2	1515.4	1520.5	1515.4
12.5°	1475.2	1487.2	1499.3	1500.2	1497.4	1497.8	1501.5	1505.6	1510.7	1515.9	1510.7
15°	1455.6	1468.4	1481.2	1483.9	1483.3	1485.2	1489.7	1493.9	1497.1	1500.3	1497.1
17.5°	1432.8	1445.6	1458.4	1461.0	1460.1	1460.2	1461.3	1462.6	1464.1	1465.7	1464.1
20°	1416.6	1429.4	1442.3	1444.0	1442.1	1438.9	1434.4	1431.0	1431.0	1431.0	1431.0
22.5°	1393.5	1407.4	1421.2	1421.3	1416.8	1408.5	1396.3	1386.2	1382.1	1378.0	1382.1
25°	1358.9	1372.4	1385.8	1379.6	1366.8	1347.9	1322.8	1301.7	1292.1	1282.5	1292.1
27.5°	1318.5	1329.4	1340.3	1324.0	1298.6	1268.2	1232.6	1202.7	1189.3	1176.0	1189.3
30°	1289.7	1298.0	1306.3	1280.5	1243.3	1205.2	1166.1	1133.6	1120.7	1107.9	1120.7
32.5°	1259.7	1262.9	1266.1	1232.1	1185.6	1142.1	1101.5	1067.5	1053.7	1039.8	1053.7
35°	1210.3	1204.6	1198.8	1153.6	1095.2	1045.6	1004.5	970.7	958.5	946.3	958.5
37.5°	1152.0	1134.9	1117.7	1066.7	1004.6	952.0	909.0	873.4	860.0	846.5	860.0
40°	1109.3	1085.0	1060.6	1006.0	941.2	887.3	844.4	808.8	795.3	781.9	795.3
42.5°	1062.0	1031.5	1001.0	944.8	880.0	826.2	783.2	747.5	733.5	719.6	733.5
45°	983.8	947.9	912.0	853.5	787.5	733.6	692.0	657.3	643.9	630.4	643.9
47.5°	895.8	860.2	824.5	766.2	700.3	647.1	606.8	573.6	562.0	550.5	562.0
50°	832.4	797.7	763.1	707.3	644.5	592.9	552.5	518.7	504.6	490.5	504.6
52.5°	767.7	736.7	705.7	652.0	590.7	539.3	497.9	462.0	442.8	423.5	442.8
55°	679.5	650.0	620.5	569.8	512.1	460.2	414.0	376.7	365.8	354.9	365.8
57.5°	588.6	563.1	537.5	492.0	439.8	392.8	350.8	317.1	308.2	299.2	308.2
60°	530.9	508.4	486.0	442.4	391.7	348.8	313.5	284.8	275.9	266.9	275.9
62.5°	475.5	455.6	435.7	393.9	344.8	306.2	278.1	255.2	247.8	240.3	247.8
65°	392.4	377.6	362.9	328.4	287.4	255.3	232.3	213.3	206.9	200.5	206.9
67.5°	311.6	303.4	295.2	269.4	237.7	211.7	191.5	175.2	171.0	166.8	171.0
70°	259.7	257.1	254.5	233.2	205.6	183.5	166.9	153.6	150.3	147.1	150.3
72.5°	214.7	215.7	216.7	199.0	175.0	156.5	143.4	133.0	130.9	128.7	130.9
75°	152.9	158.0	163.2	151.5	134.2	121.0	112.0	105.0	103.7	102.4	103.7
77.5°	104.2	111.8	119.5	111.9	99.2	89.6	82.9	77.6	76.6	75.6	76.6
80°	76.5	84.2	91.8	86.6	76.9	69.6	64.4	60.6	60.6	60.6	60.6
82.5°	53.4	59.5	65.7	61.9	54.9	50.1	47.5	45.6	45.6	45.6	45.6
85°	26.0	29.2	32.4	31.3	28.7	25.5	21.6	18.6	18.0	17.3	18.0
87.5°	7.7	10.3	13.2	12.7	11.0	9.7	9.2	9.1	9.3	9.3	9.3
90°	4.0	9.4	16.1	21.4	25.4	26.8	26.8	28.1	29.4	29.4	29.4
92.5°	14.7	23.3	23.5	23.5	28.6	31.0	33.2	33.4	34.8	34.8	34.8
95°	41.5	45.5	68.2	66.9	45.5	36.1	30.8	30.8	30.8	30.8	30.8
97.5°	79.2	85.1	88.8	119.0	125.7	121.4	99.0	83.2	74.4	70.4	74.4
100°	112.4	115.0	123.1	124.4	157.8	189.9	173.9	153.8	147.1	143.1	147.1
102.5°	145.5	147.1	159.4	165.1	172.8	191.0	246.6	240.5	235.9	235.1	235.9
105°	195.3	196.6	219.4	230.1	235.4	235.4	234.1	260.8	303.6	313.0	303.6
107.5°	248.5	254.7	281.4	310.0	316.2	317.8	310.8	306.8	305.2	306.3	305.2
110°	284.9	294.3	326.4	362.5	371.8	374.5	371.8	367.8	365.1	365.1	365.1

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	320.2	333.9	370.2	411.7	427.5	435.5	429.6	426.7	424.0	426.1	424.0
115°	374.5	394.6	442.7	485.5	517.6	521.6	520.3	520.3	519.0	519.0	519.0
117.5°	424.8	456.9	510.9	560.7	597.9	608.6	613.9	612.3	610.7	613.4	610.7
120°	460.1	497.6	559.1	615.3	651.4	667.4	672.8	670.1	672.8	670.1	672.8
122.5°	497.6	543.6	604.0	662.4	704.9	723.1	729.5	730.0	730.6	729.0	730.6
125°	553.7	609.9	680.8	741.0	785.1	806.5	811.9	813.2	815.9	822.6	815.9
127.5°	610.5	674.1	752.0	810.0	855.2	881.2	889.5	892.4	898.0	901.0	898.0
130°	650.0	722.3	801.2	856.0	900.2	928.3	943.0	947.0	953.7	952.3	953.7
132.5°	691.8	767.2	847.2	904.2	945.1	975.3	987.9	999.4	1001.8	1003.7	1001.8
135°	753.0	834.6	914.9	971.1	1009.8	1039.3	1055.3	1066.0	1072.7	1076.7	1072.7
137.5°	817.5	903.6	980.7	1030.7	1069.8	1095.2	1113.4	1124.6	1131.6	1134.8	1131.6
140°	861.4	944.3	1019.2	1071.4	1106.1	1131.6	1147.6	1161.0	1169.0	1169.0	1169.0
142.5°	903.1	985.0	1057.7	1109.9	1140.4	1163.7	1180.8	1190.9	1200.0	1200.0	1200.0
145°	961.7	1043.3	1110.2	1162.3	1187.7	1209.1	1227.9	1235.9	1241.2	1241.2	1241.2
147.5°	1023.0	1095.2	1156.2	1206.2	1227.6	1252.7	1267.5	1273.9	1280.6	1277.6	1280.6
150°	1059.3	1126.2	1185.1	1231.9	1253.3	1277.4	1292.1	1297.4	1304.1	1300.1	1304.1
152.5°	1094.6	1158.3	1211.8	1255.4	1273.6	1297.7	1314.5	1319.9	1324.4	1321.5	1324.4
155°	1142.3	1198.4	1247.9	1288.1	1304.1	1326.8	1342.9	1349.6	1354.9	1348.2	1354.9
157.5°	1184.8	1233.2	1276.3	1313.2	1330.3	1349.9	1364.8	1373.1	1378.5	1375.5	1378.5
160°	1210.5	1254.6	1293.4	1328.2	1344.2	1361.6	1377.7	1387.0	1392.4	1388.4	1392.4
162.5°	1231.9	1271.7	1308.4	1340.0	1353.9	1369.1	1388.4	1396.7	1402.0	1396.9	1402.0
165°	1262.6	1294.7	1326.8	1353.6	1365.6	1377.7	1397.7	1407.1	1411.1	1405.8	1411.1
167.5°	1285.9	1310.5	1336.5	1359.5	1368.3	1380.1	1400.1	1407.9	1413.0	1406.3	1413.0
170°	1298.8	1320.2	1342.9	1361.6	1368.3	1379.0	1399.1	1405.8	1409.8	1403.1	1409.8
172.5°	1309.5	1325.5	1344.0	1360.6	1364.0	1372.6	1391.6	1398.3	1401.2	1395.6	1401.2
175°	1320.2	1329.5	1342.9	1353.6	1352.3	1357.6	1373.7	1379.0	1384.4	1376.3	1384.4
177.5°	1325.2	1329.5	1333.8	1340.2	1335.9	1335.9	1347.7	1350.9	1352.0	1347.7	1352.0
180°	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7
2.5°	1512.8	1512.0	1511.5	1514.1	1519.7	1521.8	1513.0	1504.3	1513.0	1521.8	1519.7
5°	1513.3	1511.3	1510.7	1513.3	1519.0	1520.6	1509.7	1498.8	1509.7	1520.6	1519.0
7.5°	1512.7	1509.6	1507.4	1508.5	1512.9	1513.4	1502.4	1491.3	1502.4	1513.4	1512.9
10°	1510.2	1506.5	1503.3	1503.7	1507.5	1507.5	1496.0	1484.4	1496.0	1507.5	1507.5
12.5°	1505.6	1501.5	1497.8	1497.4	1500.2	1499.3	1487.2	1475.2	1487.2	1499.3	1500.2
15°	1493.9	1489.7	1485.2	1483.3	1483.9	1481.2	1468.4	1455.6	1468.4	1481.2	1483.9
17.5°	1462.6	1461.3	1460.2	1460.1	1461.0	1458.4	1445.6	1432.8	1445.6	1458.4	1461.0
20°	1431.0	1434.4	1438.9	1442.1	1444.0	1442.3	1429.4	1416.6	1429.4	1442.3	1444.0
22.5°	1386.2	1396.3	1408.5	1416.8	1421.3	1421.2	1407.4	1393.5	1407.4	1421.2	1421.3
25°	1301.7	1322.8	1347.9	1366.8	1379.6	1385.8	1372.4	1358.9	1372.4	1385.8	1379.6
27.5°	1202.7	1232.6	1268.2	1298.6	1324.0	1340.3	1329.4	1318.5	1329.4	1340.3	1324.0
30°	1133.6	1166.1	1205.2	1243.3	1280.5	1306.3	1298.0	1289.7	1298.0	1306.3	1280.5
32.5°	1067.5	1101.5	1142.1	1185.6	1232.1	1266.1	1262.9	1259.7	1262.9	1266.1	1232.1
35°	970.7	1004.5	1045.6	1095.2	1153.6	1198.8	1204.6	1210.3	1204.6	1198.8	1153.6
37.5°	873.4	909.0	952.0	1004.6	1066.7	1117.7	1134.9	1152.0	1134.9	1117.7	1066.7
40°	808.8	844.4	887.3	941.2	1006.0	1060.6	1085.0	1109.3	1085.0	1060.6	1006.0
42.5°	747.5	783.2	826.2	880.0	944.8	1001.0	1031.5	1062.0	1031.5	1001.0	944.8
45°	657.3	692.0	733.6	787.5	853.5	912.0	947.9	983.8	947.9	912.0	853.5
47.5°	573.6	606.8	647.1	700.3	766.2	824.5	860.2	895.8	860.2	824.5	766.2
50°	518.7	552.5	592.9	644.5	707.3	763.1	797.7	832.4	797.7	763.1	707.3
52.5°	462.0	497.9	539.3	590.7	652.0	705.7	736.7	767.7	736.7	705.7	652.0
55°	376.7	414.0	460.2	512.1	569.8	620.5	650.0	679.5	650.0	620.5	569.8
57.5°	317.1	350.8	392.8	439.8	492.0	537.5	563.1	588.6	563.1	537.5	492.0
60°	284.8	313.5	348.8	391.7	442.4	486.0	508.4	530.9	508.4	486.0	442.4
62.5°	255.2	278.1	306.2	344.8	393.9	435.7	455.6	475.5	455.6	435.7	393.9
65°	213.3	232.3	255.3	287.4	328.4	362.9	377.6	392.4	377.6	362.9	328.4
67.5°	175.2	191.5	211.7	237.7	269.4	295.2	303.4	311.6	303.4	295.2	269.4
70°	153.6	166.9	183.5	205.6	233.2	254.5	257.1	259.7	257.1	254.5	233.2
72.5°	133.0	143.4	156.5	175.0	199.0	216.7	215.7	214.7	215.7	216.7	199.0
75°	105.0	112.0	121.0	134.2	151.5	163.2	158.0	152.9	158.0	163.2	151.5
77.5°	77.6	82.9	89.6	99.2	111.9	119.5	111.8	104.2	111.8	119.5	111.9
80°	60.6	64.4	69.6	76.9	86.6	91.8	84.2	76.5	84.2	91.8	86.6
82.5°	45.6	47.5	50.1	54.9	61.9	65.7	59.5	53.4	59.5	65.7	61.9
85°	18.6	21.6	25.5	28.7	31.3	32.4	29.2	26.0	29.2	32.4	31.3
87.5°	9.1	9.2	9.7	11.0	12.7	13.2	10.3	7.7	10.3	12.9	13.3
90°	28.1	26.8	26.8	25.4	21.4	16.1	9.4	4.0	9.4	14.7	24.1
92.5°	33.4	33.2	31.0	28.6	23.5	23.5	23.3	14.7	25.4	36.1	51.9
95°	30.8	30.8	36.1	45.5	66.9	68.2	45.5	41.5	58.9	82.9	104.3
97.5°	83.2	99.0	121.4	125.7	119.0	88.8	85.1	79.2	107.8	131.6	166.1
100°	153.8	173.9	189.9	157.8	124.4	123.1	115.0	112.4	143.1	165.9	199.3
102.5°	240.5	246.6	191.0	172.8	165.1	159.4	147.1	145.5	176.3	207.6	235.7
105°	260.8	234.1	235.4	235.4	230.1	219.4	196.6	195.3	230.1	266.2	300.9
107.5°	306.8	310.8	317.8	316.2	310.0	281.4	254.7	248.5	279.8	323.2	361.4
110°	367.8	371.8	374.5	371.8	362.5	326.4	294.3	284.9	313.0	358.5	399.9



TEST NUMBER: P1428429

CATALOG NUMBER: SQ2W-PW1-K-100U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	426.7	429.6	435.5	427.5	411.7	370.2	333.9	320.2	348.3	394.8	437.4
115°	520.3	520.3	521.6	517.6	485.5	442.7	394.6	374.5	398.6	441.4	488.2
117.5°	612.3	613.9	608.6	597.9	560.7	510.9	456.9	424.8	443.8	489.0	537.2
120°	670.1	672.8	667.4	651.4	615.3	559.1	497.6	460.1	474.8	519.0	567.1
122.5°	730.0	729.5	723.1	704.9	662.4	604.0	543.6	497.6	503.7	544.6	591.7
125°	813.2	811.9	806.5	785.1	741.0	680.8	609.9	553.7	545.7	580.5	628.6
127.5°	892.4	889.5	881.2	855.2	810.0	752.0	674.1	610.5	592.5	614.5	658.6
130°	947.0	943.0	928.3	900.2	856.0	801.2	722.3	650.0	624.6	638.0	676.8
132.5°	999.4	987.9	975.3	945.1	904.2	847.2	767.2	691.8	656.7	662.6	692.8
135°	1066.0	1055.3	1039.3	1009.8	971.1	914.9	834.6	753.0	704.9	699.5	716.9
137.5°	1124.6	1113.4	1095.2	1069.8	1030.7	980.7	903.6	817.5	756.8	738.9	745.5
140°	1161.0	1147.6	1131.6	1106.1	1071.4	1019.2	944.3	861.4	793.2	767.8	763.7
142.5°	1190.9	1180.8	1163.7	1140.4	1109.9	1057.7	985.0	903.1	830.6	797.7	788.3
145°	1235.9	1227.9	1209.1	1187.7	1162.3	1110.2	1043.3	961.7	889.5	846.7	826.6
147.5°	1273.9	1267.5	1252.7	1227.6	1206.2	1156.2	1095.2	1023.0	948.9	895.9	869.9
150°	1297.4	1292.1	1277.4	1253.3	1231.9	1185.1	1126.2	1059.3	988.4	932.3	898.8
152.5°	1319.9	1314.5	1297.7	1273.6	1255.4	1211.8	1158.3	1094.6	1022.7	966.5	932.0
155°	1349.6	1342.9	1326.8	1304.1	1288.1	1247.9	1198.4	1142.3	1080.7	1021.9	983.1
157.5°	1373.1	1364.8	1349.9	1330.3	1313.2	1276.3	1233.2	1184.8	1131.0	1074.9	1035.3
160°	1387.0	1377.7	1361.6	1344.2	1328.2	1293.4	1254.6	1210.5	1161.0	1110.2	1067.4
162.5°	1396.7	1388.4	1369.1	1353.9	1340.0	1308.4	1271.7	1231.9	1187.7	1143.3	1103.7
165°	1407.1	1397.7	1377.7	1365.6	1353.6	1326.8	1294.7	1262.6	1225.2	1189.1	1157.0
167.5°	1407.9	1400.1	1380.1	1368.3	1359.5	1336.5	1310.5	1285.9	1256.8	1228.4	1201.7
170°	1405.8	1399.1	1379.0	1368.3	1361.6	1342.9	1320.2	1298.8	1276.0	1251.9	1230.5
172.5°	1398.3	1391.6	1372.6	1364.0	1360.6	1344.0	1325.5	1309.5	1289.9	1272.3	1255.2
175°	1379.0	1373.7	1357.6	1352.3	1353.6	1342.9	1329.5	1320.2	1308.1	1297.4	1288.1
177.5°	1350.9	1347.7	1335.9	1335.9	1340.2	1333.8	1329.5	1325.2	1319.9	1316.7	1313.5
180°	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2



TEST NUMBER: P1428429

CATALOG NUMBER: SQ2W-PW1-K-100U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7	1514.7
2.5°	1514.1	1511.5	1512.0	1512.8	1514.3	1515.9	1514.3	1512.8	1512.0	1511.5	1514.1
5°	1513.3	1510.7	1511.3	1513.3	1519.0	1524.8	1519.0	1513.3	1511.3	1510.7	1513.3
7.5°	1508.5	1507.4	1509.6	1512.7	1518.3	1523.9	1518.3	1512.7	1509.6	1507.4	1508.5
10°	1503.7	1503.3	1506.5	1510.2	1515.4	1520.5	1515.4	1510.2	1506.5	1503.3	1503.7
12.5°	1497.4	1497.8	1501.5	1505.6	1510.7	1515.9	1510.7	1505.6	1501.5	1497.8	1497.4
15°	1483.3	1485.2	1489.7	1493.9	1497.1	1500.3	1497.1	1493.9	1489.7	1485.2	1483.3
17.5°	1460.1	1460.2	1461.3	1462.6	1464.1	1465.7	1464.1	1462.6	1461.3	1460.2	1460.1
20°	1442.1	1438.9	1434.4	1431.0	1431.0	1431.0	1431.0	1431.0	1434.4	1438.9	1442.1
22.5°	1416.8	1408.5	1396.3	1386.2	1382.1	1378.0	1382.1	1386.2	1396.3	1408.5	1416.8
25°	1366.8	1347.9	1322.8	1301.7	1292.1	1282.5	1292.1	1301.7	1322.8	1347.9	1366.8
27.5°	1298.6	1268.2	1232.6	1202.7	1189.3	1176.0	1189.3	1202.7	1232.6	1268.2	1298.6
30°	1243.3	1205.2	1166.1	1133.6	1120.7	1107.9	1120.7	1133.6	1166.1	1205.2	1243.3
32.5°	1185.6	1142.1	1101.5	1067.5	1053.7	1039.8	1053.7	1067.5	1101.5	1142.1	1185.6
35°	1095.2	1045.6	1004.5	970.7	958.5	946.3	958.5	970.7	1004.5	1045.6	1095.2
37.5°	1004.6	952.0	909.0	873.4	860.0	846.5	860.0	873.4	909.0	952.0	1004.6
40°	941.2	887.3	844.4	808.8	795.3	781.9	795.3	808.8	844.4	887.3	941.2
42.5°	880.0	826.2	783.2	747.5	733.5	719.6	733.5	747.5	783.2	826.2	880.0
45°	787.5	733.6	692.0	657.3	643.9	630.4	643.9	657.3	692.0	733.6	787.5
47.5°	700.3	647.1	606.8	573.6	562.0	550.5	562.0	573.6	606.8	647.1	700.3
50°	644.5	592.9	552.5	518.7	504.6	490.5	504.6	518.7	552.5	592.9	644.5
52.5°	590.7	539.3	497.9	462.0	442.8	423.5	442.8	462.0	497.9	539.3	590.7
55°	512.1	460.2	414.0	376.7	365.8	354.9	365.8	376.7	414.0	460.2	512.1
57.5°	439.8	392.8	350.8	317.1	308.2	299.2	308.2	317.1	350.8	392.8	439.8
60°	391.7	348.8	313.5	284.8	275.9	266.9	275.9	284.8	313.5	348.8	391.7
62.5°	344.8	306.2	278.1	255.2	247.8	240.3	247.8	255.2	278.1	306.2	344.8
65°	287.4	255.3	232.3	213.3	206.9	200.5	206.9	213.3	232.3	255.3	287.4
67.5°	237.7	211.7	191.5	175.2	171.0	166.8	171.0	175.2	191.5	211.7	237.7
70°	205.6	183.5	166.9	153.6	150.3	147.1	150.3	153.6	166.9	183.5	205.6
72.5°	175.0	156.5	143.4	133.0	130.9	128.7	130.9	133.0	143.4	156.5	175.0
75°	134.2	121.0	112.0	105.0	103.7	102.4	103.7	105.0	112.0	121.0	134.2
77.5°	99.2	89.6	82.9	77.6	76.6	75.6	76.6	77.6	82.9	89.6	99.2
80°	76.9	69.6	64.4	60.6	60.6	60.6	60.6	60.6	64.4	69.6	76.9
82.5°	54.9	50.1	47.5	45.6	45.6	45.6	45.6	45.6	47.5	50.1	54.9
85°	28.7	25.5	21.6	18.6	18.0	17.3	18.0	18.6	21.6	25.5	28.7
87.5°	12.1	12.4	13.7	14.4	15.5	15.0	15.5	14.4	13.7	12.4	12.1
90°	30.8	40.1	49.5	54.8	60.2	57.5	60.2	54.8	49.5	40.1	30.8
92.5°	61.8	77.6	89.1	98.7	103.0	102.5	103.0	98.7	89.1	77.6	61.8
95°	124.4	143.1	161.8	175.2	183.2	180.6	183.2	175.2	161.8	143.1	124.4
97.5°	191.8	216.9	237.8	250.4	258.4	263.8	258.4	250.4	237.8	216.9	191.8
100°	236.7	260.8	284.9	299.6	313.0	318.3	313.0	299.6	284.9	260.8	236.7
102.5°	273.1	304.7	330.9	346.7	357.9	363.3	357.9	346.7	330.9	304.7	273.1
105°	333.0	366.5	394.6	414.6	426.7	430.7	426.7	414.6	394.6	366.5	333.0
107.5°	393.0	427.5	453.4	475.6	490.3	498.9	490.3	475.6	453.4	427.5	393.0
110°	440.1	468.1	496.2	516.3	531.0	536.4	531.0	516.3	496.2	468.1	440.1



TEST NUMBER: P1428429

CATALOG NUMBER: SQ2W-PW1-K-100U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	479.6	510.9	539.0	559.1	575.9	583.4	575.9	559.1	539.0	510.9	479.6
115°	535.0	576.5	601.9	620.6	632.7	639.3	632.7	620.6	601.9	576.5	535.0
117.5°	581.0	624.4	652.2	666.6	672.3	677.1	672.3	666.6	652.2	624.4	581.0
120°	609.9	650.0	682.1	700.9	707.6	710.2	707.6	700.9	682.1	650.0	609.9
122.5°	636.7	674.7	705.7	728.7	739.7	742.3	739.7	728.7	705.7	674.7	636.7
125°	674.1	710.2	742.3	765.1	777.1	783.8	777.1	765.1	742.3	710.2	674.1
127.5°	706.8	745.8	775.2	795.8	807.6	813.0	807.6	795.8	775.2	745.8	706.8
130°	724.9	765.1	794.5	817.2	827.9	833.3	827.9	817.2	794.5	765.1	724.9
132.5°	738.9	781.1	811.6	832.2	844.0	849.3	844.0	832.2	811.6	781.1	738.9
135°	755.7	799.9	832.0	852.0	862.7	868.1	862.7	852.0	832.0	799.9	755.7
137.5°	770.4	810.6	844.0	865.1	874.8	878.2	874.8	865.1	844.0	810.6	770.4
140°	781.1	815.9	849.3	869.4	880.1	881.4	880.1	869.4	849.3	815.9	781.1
142.5°	795.0	822.3	851.5	871.5	882.2	884.7	882.2	871.5	851.5	822.3	795.0
145°	819.9	836.0	856.0	874.8	884.1	886.8	884.1	874.8	856.0	836.0	819.9
147.5°	851.2	856.3	866.7	879.0	888.1	890.0	888.1	879.0	866.7	856.3	851.2
150°	874.8	873.4	877.4	885.5	893.5	892.1	893.5	885.5	877.4	873.4	874.8
152.5°	901.5	893.7	893.5	897.2	901.0	900.7	901.0	897.2	893.5	893.7	901.5
155°	947.0	932.3	924.2	921.6	921.6	920.2	921.6	921.6	924.2	932.3	947.0
157.5°	997.0	976.4	964.4	957.9	956.1	953.1	956.1	957.9	964.4	976.4	997.0
160°	1031.2	1008.5	996.5	985.8	981.8	977.7	981.8	985.8	996.5	1008.5	1031.2
162.5°	1063.3	1041.7	1028.6	1018.9	1014.9	1008.8	1014.9	1018.9	1028.6	1041.7	1063.3
165°	1115.5	1092.8	1078.1	1070.0	1064.7	1059.3	1064.7	1070.0	1078.1	1092.8	1115.5
167.5°	1167.7	1142.8	1133.2	1124.1	1119.0	1109.4	1119.0	1124.1	1133.2	1142.8	1167.7
170°	1199.8	1177.0	1171.7	1163.7	1154.3	1143.6	1154.3	1163.7	1171.7	1177.0	1199.8
172.5°	1227.6	1212.4	1207.0	1199.0	1196.0	1187.5	1196.0	1199.0	1207.0	1212.4	1227.6
175°	1268.0	1256.0	1256.0	1254.6	1250.6	1242.6	1250.6	1254.6	1256.0	1256.0	1268.0
177.5°	1301.7	1295.3	1299.6	1299.6	1298.5	1291.0	1298.5	1299.6	1299.6	1295.3	1301.7
180°	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2



TEST NUMBER: P1428429

CATALOG NUMBER: SQ2W-PW1-K-100U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1514.7	1514.7	1514.7	1514.7
2.5°	1519.7	1521.8	1513.0	1504.3
5°	1519.0	1520.6	1509.7	1498.8
7.5°	1512.9	1513.4	1502.4	1491.3
10°	1507.5	1507.5	1496.0	1484.4
12.5°	1500.2	1499.3	1487.2	1475.2
15°	1483.9	1481.2	1468.4	1455.6
17.5°	1461.0	1458.4	1445.6	1432.8
20°	1444.0	1442.3	1429.4	1416.6
22.5°	1421.3	1421.2	1407.4	1393.5
25°	1379.6	1385.8	1372.4	1358.9
27.5°	1324.0	1340.3	1329.4	1318.5
30°	1280.5	1306.3	1298.0	1289.7
32.5°	1232.1	1266.1	1262.9	1259.7
35°	1153.6	1198.8	1204.6	1210.3
37.5°	1066.7	1117.7	1134.9	1152.0
40°	1006.0	1060.6	1085.0	1109.3
42.5°	944.8	1001.0	1031.5	1062.0
45°	853.5	912.0	947.9	983.8
47.5°	766.2	824.5	860.2	895.8
50°	707.3	763.1	797.7	832.4
52.5°	652.0	705.7	736.7	767.7
55°	569.8	620.5	650.0	679.5
57.5°	492.0	537.5	563.1	588.6
60°	442.4	486.0	508.4	530.9
62.5°	393.9	435.7	455.6	475.5
65°	328.4	362.9	377.6	392.4
67.5°	269.4	295.2	303.4	311.6
70°	233.2	254.5	257.1	259.7
72.5°	199.0	216.7	215.7	214.7
75°	151.5	163.2	158.0	152.9
77.5°	111.9	119.5	111.8	104.2
80°	86.6	91.8	84.2	76.5
82.5°	61.9	65.7	59.5	53.4
85°	31.3	32.4	29.2	26.0
87.5°	13.3	12.9	10.3	7.7
90°	24.1	14.7	9.4	4.0
92.5°	51.9	36.1	25.4	14.7
95°	104.3	82.9	58.9	41.5
97.5°	166.1	131.6	107.8	79.2
100°	199.3	165.9	143.1	112.4
102.5°	235.7	207.6	176.3	145.5
105°	300.9	266.2	230.1	195.3
107.5°	361.4	323.2	279.8	248.5
110°	399.9	358.5	313.0	284.9



TEST NUMBER: P1428429

CATALOG NUMBER: SQ2W-PW1-K-100U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	437.4	394.8	348.3	320.2
115°	488.2	441.4	398.6	374.5
117.5°	537.2	489.0	443.8	424.8
120°	567.1	519.0	474.8	460.1
122.5°	591.7	544.6	503.7	497.6
125°	628.6	580.5	545.7	553.7
127.5°	658.6	614.5	592.5	610.5
130°	676.8	638.0	624.6	650.0
132.5°	692.8	662.6	656.7	691.8
135°	716.9	699.5	704.9	753.0
137.5°	745.5	738.9	756.8	817.5
140°	763.7	767.8	793.2	861.4
142.5°	788.3	797.7	830.6	903.1
145°	826.6	846.7	889.5	961.7
147.5°	869.9	895.9	948.9	1023.0
150°	898.8	932.3	988.4	1059.3
152.5°	932.0	966.5	1022.7	1094.6
155°	983.1	1021.9	1080.7	1142.3
157.5°	1035.3	1074.9	1131.0	1184.8
160°	1067.4	1110.2	1161.0	1210.5
162.5°	1103.7	1143.3	1187.7	1231.9
165°	1157.0	1189.1	1225.2	1262.6
167.5°	1201.7	1228.4	1256.8	1285.9
170°	1230.5	1251.9	1276.0	1298.8
172.5°	1255.2	1272.3	1289.9	1309.5
175°	1288.1	1297.4	1308.1	1320.2
177.5°	1313.5	1316.7	1319.9	1325.2
180°	1324.2	1324.2	1324.2	1324.2



TEST NUMBER: P1428429
 CATALOG NUMBER: SQ2W-PW1-K-100U-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	17.69	18.48	18.68	19.49	20.81	13.93	14.73	14.93	15.73	17.06
	3H	18.98	19.70	19.99	20.71	22.05	15.20	15.91	16.21	16.92	18.27
	4H	19.39	20.06	20.41	21.08	22.43	15.70	16.38	16.72	17.39	18.74
	6H	19.57	20.19	20.59	21.20	22.57	16.01	16.63	17.04	17.65	19.01
	8H	19.61	20.20	20.64	21.23	22.59	16.12	16.71	17.15	17.74	19.10
	12H	19.61	20.17	20.64	21.19	22.58	16.15	16.71	17.19	17.74	19.12
4H	2H	17.81	18.48	18.84	19.50	20.85	14.74	15.41	15.76	16.42	17.78
	3H	19.34	19.90	20.38	20.95	22.31	16.18	16.74	17.21	17.78	19.14
	4H	19.89	20.40	20.93	21.43	22.82	16.75	17.27	17.79	18.30	19.69
	6H	20.20	20.63	21.25	21.69	23.08	17.13	17.57	18.18	18.63	20.01
	8H	20.29	20.70	21.34	21.74	23.14	17.28	17.69	18.33	18.74	20.14
	12H	20.31	20.67	21.37	21.74	23.14	17.32	17.69	18.39	18.76	20.16
8H	4H	19.92	20.33	20.97	21.38	22.78	17.09	17.50	18.14	18.55	19.95
	6H	20.34	20.68	21.41	21.77	23.17	17.58	17.92	18.66	19.01	20.41
	8H	20.51	20.81	21.59	21.88	23.30	17.80	18.10	18.88	19.17	20.59
	12H	20.59	20.85	21.67	21.92	23.38	17.88	18.14	18.97	19.21	20.67
12H	4H	19.88	20.25	20.95	21.31	22.72	17.11	17.48	18.18	18.54	19.95
	6H	20.34	20.63	21.42	21.71	23.12	17.66	17.96	18.74	19.03	20.45
	8H	20.52	20.78	21.61	21.85	23.31	17.90	18.16	18.98	19.23	20.69