

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: P933942

Luminaire Tested: SQ4-FA-025U-075D-92765-1D-UNV-STD-W-6-6500K

Issue Date: 12/17/2024

**Test Information**

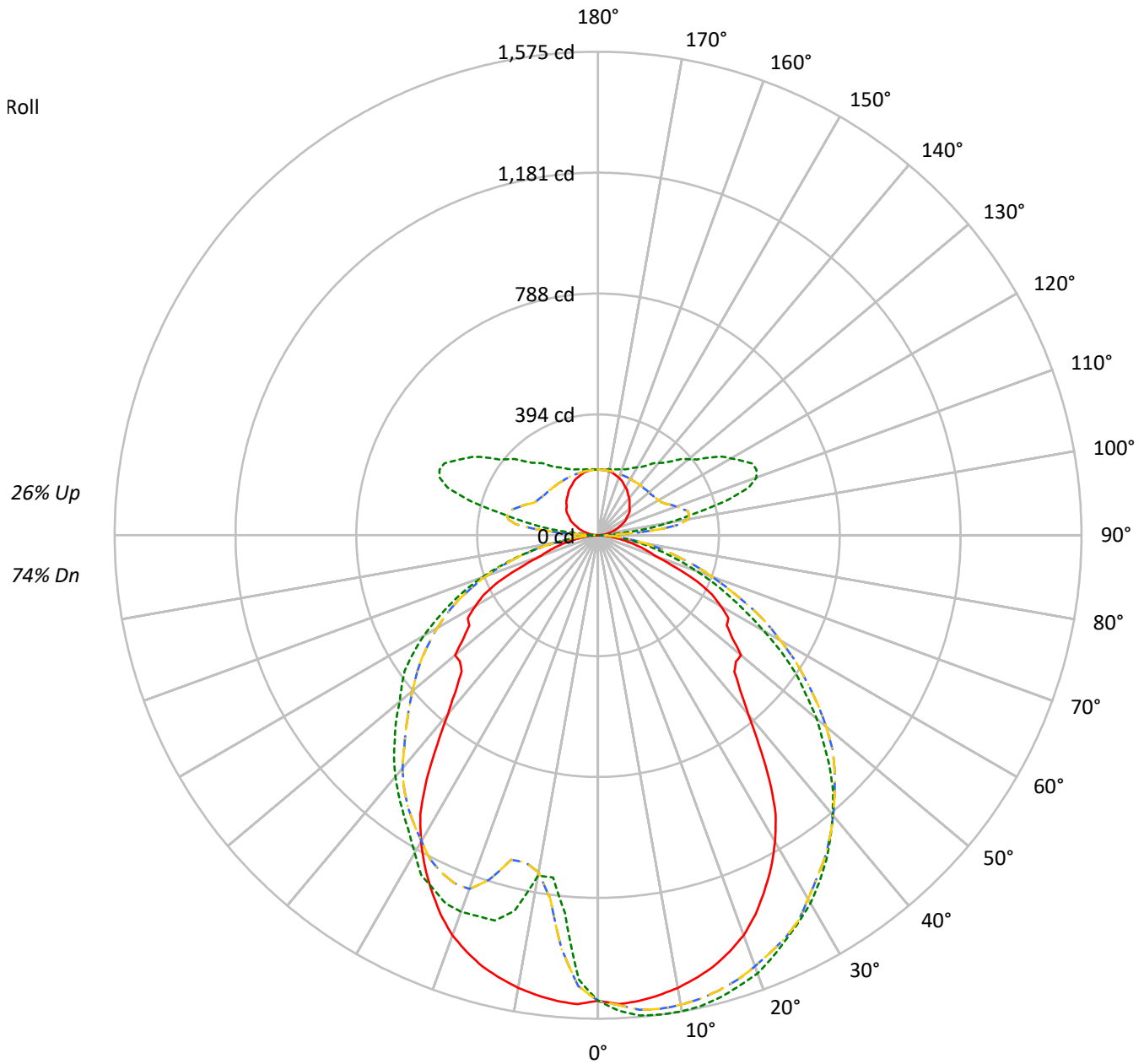
Test Method: LM-79-2019  
Report Number: P933942  
REPORT IS A COMBINATION OF REPORTS P933679 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-025U-075D-92765-1D-UNV-STD-W-6-6500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5319.2 lumens  
Efficiency: N/A  
Efficacy: 118.2 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')  
CIE Type: Semi-Direct  
  
Input Watts (W): 45  
Input Voltage (V): NR  
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



— 0°-180°    - - 45°-225°    - · - 90°-270°    - · - 135°-315°



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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
RCR																				
0	113	113	113	113	107	107	107	107	97	97	97	87	87	87	78	78	78	74		
1	103	99	95	91	98	94	90	87	85	82	80	77	75	73	69	68	66	62		
2	94	86	80	75	89	82	77	72	75	70	66	68	64	61	61	58	56	52		
3	86	76	68	62	81	72	66	60	66	60	56	60	55	52	54	51	48	44		
4	79	67	59	53	74	64	57	51	59	52	48	53	48	44	48	44	41	38		
5	72	60	52	45	68	57	50	44	52	46	41	48	42	38	43	39	36	33		
6	67	54	46	39	63	52	44	38	47	41	36	43	38	34	39	35	31	29		
7	62	49	41	35	58	47	39	34	43	36	32	39	34	30	36	31	28	26		
8	57	44	36	31	54	43	35	30	39	33	28	36	31	27	33	28	25	23		
9	53	41	33	28	51	39	32	27	36	30	25	33	28	24	30	26	23	21		
10	50	37	30	25	48	36	29	24	33	27	23	31	25	22	28	24	20	19		

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	9378	9378	9378	9378
5°	9445	9467	9445	7444
10°	9378	9325	9378	6667
15°	9273	9124	9273	7619
20°	9076	8884	9076	7634
25°	8675	8535	8675	7473
30°	8159	8245	8159	7118
35°	7270	7879	7270	6727
40°	6054	7447	6054	6432
45°	5406	6942	5406	6093
50°	5738	6339	5738	5753
55°	5394	5690	5394	5556
60°	5553	4833	5553	5088
65°	5027	3995	5027	4466
70°	3473	3184	3473	3743
75°	3033	2354	3033	2818
80°	2428	1556	2428	1695
85°	1365	824	1365	701

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 8291 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	136.8	2.6
10°-20°	388.6	7.3
20°-30°	600.6	11.3
30°-40°	717.0	13.5
40°-50°	721.2	13.6
50°-60°	627.6	11.8
60°-70°	445.0	8.4
70°-80°	235.4	4.4
80°-90°	59.5	1.1
90°-100°	104.3	2.0
100°-110°	274.3	5.2
110°-120°	284.4	5.3
120°-130°	228.1	4.3
130°-140°	179.0	3.4
140°-150°	137.4	2.6
150°-160°	99.0	1.9
160°-170°	60.5	1.1
170°-180°	20.5	0.4
0°-30°	1126.0	21.2
0°-40°	1843.1	34.6
0°-60°	3191.9	60.0
0°-90°	3931.7	73.9
90°-120°	663.1	12.5
90°-150°	1207.6	22.7
90°-180°	1388.0	26.1
0°-180°	5319.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1516	1516	1516	1516	1516	
5°	1523	1570	1523	1235	1523	144
15°	1454	1556	1454	1300	1454	409
25°	1281	1452	1281	1271	1281	588
35°	974	1295	974	1106	974	603
45°	628	1067	628	937	628	503
55°	512	787	512	769	512	470
65°	356	475	356	531	356	340
75°	135	225	135	270	135	142
85°	23	57	23	49	23	31
90°	1	6	1	6	1	2
95°	14	63	14	63	14	15
105°	49	430	49	430	49	52
115°	88	553	88	553	88	87
125°	122	440	122	440	122	108
135°	146	342	146	342	146	113
145°	169	277	169	277	169	106
155°	191	239	191	239	191	88
165°	206	222	206	222	206	58
175°	214	216	214	216	214	20
180°	214	214	214	214	214	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0
2.5°	1529.0	1529.0	1537.6	1540.4	1540.4	1536.1	1531.8	1536.1	1549.0	1553.3	1551.9
5°	1523.2	1534.7	1550.5	1553.3	1556.2	1554.8	1551.9	1554.8	1569.1	1572.0	1573.4
7.5°	1511.7	1533.3	1553.3	1557.6	1561.9	1557.6	1556.2	1559.1	1573.4	1576.3	1576.3
10°	1497.4	1527.5	1550.5	1553.3	1557.6	1553.3	1553.3	1559.1	1573.4	1576.3	1577.7
12.5°	1477.3	1518.9	1540.4	1543.3	1549.0	1547.6	1546.2	1551.9	1566.2	1569.1	1569.1
15°	1454.4	1503.1	1523.2	1526.1	1536.1	1533.3	1533.3	1539.0	1554.8	1559.1	1557.6
17.5°	1422.8	1483.1	1506.0	1510.3	1517.5	1516.0	1517.5	1523.2	1537.6	1540.4	1541.9
20°	1387.0	1455.8	1483.1	1487.4	1494.5	1494.5	1494.5	1501.7	1516.0	1521.8	1521.8
22.5°	1338.2	1427.1	1455.8	1458.7	1467.3	1467.3	1470.1	1480.2	1493.1	1494.5	1494.5
25°	1280.8	1395.6	1419.9	1428.6	1437.2	1441.5	1445.8	1451.5	1455.8	1454.4	1455.8
27.5°	1220.6	1355.4	1387.0	1392.7	1404.2	1408.5	1414.2	1415.6	1417.1	1421.4	1418.5
30°	1153.2	1299.5	1346.8	1352.5	1371.2	1374.0	1368.3	1371.2	1378.4	1381.2	1384.1
32.5°	1077.2	1216.3	1305.2	1318.1	1335.3	1326.7	1325.3	1329.6	1341.1	1341.1	1343.9
35°	973.9	1151.7	1266.5	1278.0	1290.9	1280.8	1286.6	1288.0	1295.2	1299.5	1298.0
37.5°	860.6	1095.8	1226.3	1234.9	1245.0	1232.1	1240.7	1245.0	1250.7	1247.8	1247.8
40°	760.2	1008.3	1179.0	1184.7	1193.3	1183.3	1191.9	1194.8	1197.6	1194.8	1193.3
42.5°	685.6	912.2	1128.8	1136.0	1130.2	1137.4	1140.3	1146.0	1141.7	1136.0	1136.0
45°	628.2	886.4	1074.3	1082.9	1074.3	1085.8	1090.1	1090.1	1077.2	1074.3	1072.8
47.5°	609.6	834.8	1019.8	1019.8	1015.5	1029.8	1037.0	1027.0	1014.0	1009.7	1009.7
50°	608.1	777.4	945.2	939.5	959.5	976.8	969.6	959.5	949.5	933.7	933.7
52.5°	552.2	707.1	849.1	870.6	902.2	912.2	900.7	890.7	873.5	866.3	860.6
55°	512.0	634.0	761.6	804.6	837.6	850.5	829.0	819.0	793.2	788.9	786.0
57.5°	503.4	527.8	681.3	735.8	776.0	774.5	761.6	743.0	721.4	717.1	715.7
60°	461.8	381.5	595.2	659.8	701.4	697.1	685.6	668.4	648.3	645.4	642.6
62.5°	418.8	276.8	497.7	570.8	629.7	628.2	618.2	592.4	578.0	570.8	565.1
65°	355.7	232.4	354.3	474.7	559.4	562.2	540.7	522.1	506.3	497.7	496.3
67.5°	271.1	189.3	239.5	395.9	492.0	489.1	461.8	453.2	433.2	428.9	420.2
70°	200.8	126.2	166.4	321.3	426.0	418.8	397.3	387.3	368.6	358.6	352.8
72.5°	166.4	101.8	121.9	249.6	358.6	350.0	331.3	319.8	304.1	295.5	289.7
75°	134.8	107.6	93.2	185.0	291.2	285.4	268.2	256.7	243.8	232.4	233.8
77.5°	99.0	100.4	74.6	136.3	230.9	222.3	212.3	197.9	192.2	180.7	180.7
80°	74.6	78.9	55.9	93.2	166.4	166.4	157.8	147.7	137.7	132.0	132.0
82.5°	50.2	50.2	41.6	58.8	113.3	109.0	103.3	100.4	94.7	91.8	91.8
85°	22.9	28.7	25.8	35.9	61.7	64.5	64.5	61.7	60.2	57.4	58.8
87.5°	7.2	12.9	15.8	20.1	31.6	33.0	34.4	34.4	34.4	35.9	35.9
90°	1.4	2.6	3.7	4.0	6.3	9.4	10.9	9.7	7.3	5.5	5.5
92.5°	5.7	15.5	25.2	27.7	39.0	54.0	61.5	53.8	38.6	27.3	26.2
95°	13.8	31.6	49.5	54.0	95.9	151.7	179.7	160.4	121.6	92.7	89.4
97.5°	23.8	39.6	55.4	59.3	129.2	222.3	268.9	256.6	232.3	213.9	207.7
100°	31.6	45.9	60.2	63.8	141.3	244.7	296.3	297.2	299.0	300.3	292.9
102.5°	38.2	51.6	64.9	68.3	146.9	251.7	304.1	319.7	350.8	374.3	367.8
105°	49.4	60.7	72.0	74.9	151.0	252.4	303.2	338.1	408.0	460.4	457.0
107.5°	60.9	71.4	81.9	84.6	151.7	241.2	286.0	334.8	432.2	505.3	506.1
110°	68.7	78.2	87.7	90.1	150.6	231.3	271.7	326.2	435.1	516.7	520.3



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	76.3	85.4	94.4	96.7	150.6	222.6	258.6	314.3	425.8	509.4	514.8
115°	87.8	96.2	104.5	106.6	152.0	212.6	242.9	296.6	404.0	484.5	492.2
117.5°	99.2	106.7	114.3	116.2	154.8	206.3	232.2	280.6	377.5	450.2	458.6
120°	105.8	112.9	120.0	121.8	157.2	204.3	227.9	272.1	360.7	427.1	435.4
122.5°	112.2	119.4	126.6	128.4	160.4	203.2	224.5	264.4	344.1	404.0	412.1
125°	122.1	128.7	135.3	136.9	164.9	202.3	221.0	254.8	322.6	373.4	380.9
127.5°	130.1	136.7	143.4	145.1	169.3	201.8	217.9	247.0	305.2	348.8	355.1
130°	134.4	141.6	148.7	150.5	172.6	202.0	216.8	242.7	294.4	333.2	339.1
132.5°	138.9	146.1	153.2	155.0	175.3	202.3	215.8	239.0	285.3	320.0	325.2
135°	145.5	152.0	158.5	160.2	178.1	202.1	214.1	233.5	272.3	301.4	305.9
137.5°	152.3	158.7	165.1	166.8	182.4	203.4	213.8	230.3	263.0	287.6	291.3
140°	157.9	163.8	169.7	171.3	185.1	203.6	212.8	226.9	255.3	276.5	280.0
142.5°	162.2	167.6	173.2	174.5	187.2	204.2	212.8	225.2	250.1	268.8	271.8
145°	168.8	173.5	178.3	179.6	190.2	204.2	211.3	221.5	241.8	257.1	259.3
147.5°	175.4	180.1	184.7	185.9	194.4	205.7	211.3	219.4	235.3	247.4	249.2
150°	179.7	183.9	188.2	189.2	196.6	206.4	211.3	218.1	231.6	241.7	243.3
152.5°	184.2	187.3	190.6	191.3	198.0	206.9	211.3	217.1	228.6	237.3	238.5
155°	190.8	193.2	195.5	196.1	201.2	208.0	211.3	215.9	225.1	232.0	232.7
157.5°	195.6	197.9	200.2	200.8	204.3	209.0	211.3	214.9	222.0	227.4	228.0
160°	199.0	200.8	202.5	203.0	205.8	209.5	211.3	214.4	220.5	225.1	225.4
162.5°	202.2	203.6	204.9	205.3	207.3	210.0	211.3	213.9	219.1	223.0	223.3
165°	205.9	207.0	208.3	208.5	209.5	210.7	211.3	213.1	216.9	219.6	219.9
167.5°	209.1	209.7	210.3	210.5	211.2	212.3	212.8	214.0	216.4	218.2	218.3
170°	211.3	211.9	212.5	212.6	212.7	212.8	212.8	214.0	216.4	218.2	218.2
172.5°	212.5	212.6	212.8	212.8	212.8	212.8	212.8	213.7	215.6	217.1	217.0
175°	214.1	214.1	214.1	214.1	213.6	213.0	212.8	213.3	214.6	215.5	215.5
177.5°	214.1	214.1	214.1	214.1	213.7	213.2	213.0	213.5	214.5	215.2	215.1
180°	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0
2.5°	1554.8	1550.5	1554.8	1551.9	1553.3	1549.0	1536.1	1531.8	1536.1	1540.4	1540.4
5°	1573.4	1570.5	1573.4	1573.4	1572.0	1569.1	1554.8	1551.9	1554.8	1556.2	1553.3
7.5°	1579.2	1574.8	1579.2	1576.3	1576.3	1573.4	1559.1	1553.3	1553.3	1557.6	1553.3
10°	1579.2	1574.8	1579.2	1577.7	1576.3	1573.4	1559.1	1553.3	1553.3	1557.6	1553.3
12.5°	1572.0	1569.1	1572.0	1569.1	1569.1	1566.2	1551.9	1546.2	1547.6	1549.0	1543.3
15°	1560.5	1556.2	1560.5	1557.6	1559.1	1554.8	1539.0	1533.3	1533.3	1536.1	1526.1
17.5°	1543.3	1537.6	1543.3	1541.9	1540.4	1537.6	1523.2	1517.5	1516.0	1517.5	1510.3
20°	1523.2	1518.9	1523.2	1521.8	1521.8	1516.0	1501.7	1494.5	1494.5	1494.5	1487.4
22.5°	1491.7	1487.4	1491.7	1494.5	1494.5	1493.1	1480.2	1470.1	1467.3	1467.3	1458.7
25°	1455.8	1451.5	1455.8	1455.8	1454.4	1455.8	1451.5	1445.8	1441.5	1437.2	1428.6
27.5°	1421.4	1418.5	1421.4	1418.5	1421.4	1417.1	1415.6	1414.2	1408.5	1404.2	1392.7
30°	1387.0	1384.1	1387.0	1384.1	1381.2	1378.4	1371.2	1368.3	1374.0	1371.2	1352.5
32.5°	1343.9	1341.1	1343.9	1343.9	1341.1	1341.1	1329.6	1325.3	1326.7	1335.3	1318.1
35°	1299.5	1295.2	1299.5	1298.0	1299.5	1295.2	1288.0	1286.6	1280.8	1290.9	1278.0
37.5°	1247.8	1243.5	1247.8	1247.8	1247.8	1250.7	1245.0	1240.7	1232.1	1245.0	1234.9
40°	1194.8	1189.0	1194.8	1193.3	1194.8	1197.6	1194.8	1191.9	1183.3	1193.3	1184.7
42.5°	1134.5	1133.1	1134.5	1136.0	1136.0	1141.7	1146.0	1140.3	1137.4	1130.2	1136.0
45°	1070.0	1067.1	1070.0	1072.8	1074.3	1077.2	1090.1	1090.1	1085.8	1074.3	1082.9
47.5°	1001.1	994.0	1001.1	1009.7	1009.7	1014.0	1027.0	1037.0	1029.8	1015.5	1019.8
50°	928.0	929.4	928.0	933.7	933.7	949.5	959.5	969.6	976.8	959.5	939.5
52.5°	856.3	854.8	856.3	860.6	866.3	873.5	890.7	900.7	912.2	902.2	870.6
55°	784.6	787.4	784.6	786.0	788.9	793.2	819.0	829.0	850.5	837.6	804.6
57.5°	712.8	708.5	712.8	715.7	717.1	721.4	743.0	761.6	774.5	776.0	735.8
60°	629.7	623.9	629.7	642.6	645.4	648.3	668.4	685.6	697.1	701.4	659.8
62.5°	556.5	546.5	556.5	565.1	570.8	578.0	592.4	618.2	628.2	629.7	570.8
65°	479.1	474.7	479.1	496.3	497.7	506.3	522.1	540.7	562.2	559.4	474.7
67.5°	408.8	408.8	408.8	420.2	428.9	433.2	453.2	461.8	489.1	492.0	395.9
70°	344.2	342.8	344.2	352.8	358.6	368.6	387.3	397.3	418.8	426.0	321.3
72.5°	282.6	281.1	282.6	289.7	295.5	304.1	319.8	331.3	350.0	358.6	249.6
75°	228.1	225.2	228.1	233.8	232.4	243.8	256.7	268.2	285.4	291.2	185.0
77.5°	175.0	175.0	175.0	180.7	180.7	192.2	197.9	212.3	222.3	230.9	136.3
80°	130.5	129.1	130.5	132.0	132.0	137.7	147.7	157.8	166.4	166.4	93.2
82.5°	91.8	88.9	91.8	91.8	91.8	94.7	100.4	103.3	109.0	113.3	58.8
85°	57.4	57.4	57.4	58.8	57.4	60.2	61.7	64.5	64.5	61.7	35.9
87.5°	37.3	35.9	37.3	35.9	35.9	34.4	34.4	34.4	33.0	31.6	20.1
90°	5.5	5.5	5.5	5.5	5.5	7.3	9.7	10.9	9.4	6.3	4.0
92.5°	21.8	17.5	21.8	26.2	27.3	38.6	53.8	61.5	54.0	39.0	27.7
95°	76.2	63.1	76.2	89.4	92.7	121.6	160.4	179.7	151.7	95.9	54.0
97.5°	182.6	157.6	182.6	207.7	213.9	232.3	256.6	268.9	222.3	129.2	59.3
100°	263.1	233.3	263.1	292.9	300.3	299.0	297.2	296.3	244.7	141.3	63.8
102.5°	342.3	316.8	342.3	367.8	374.3	350.8	319.7	304.1	251.7	146.9	68.3
105°	443.3	429.5	443.3	457.0	460.4	408.0	338.1	303.2	252.4	151.0	74.9
107.5°	509.4	512.7	509.4	506.1	505.3	432.2	334.8	286.0	241.2	151.7	84.6
110°	534.6	549.0	534.6	520.3	516.7	435.1	326.2	271.7	231.3	150.6	90.1





TEST NUMBER: P933942

CATALOG NUMBER: SQ4-FA-025U-075D-92765-1D-UNV-STD-W-6-6500K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	536.8	558.8	536.8	514.8	509.4	425.8	314.3	258.6	222.6	150.6	96.7
115°	522.6	553.1	522.6	492.2	484.5	404.0	296.6	242.9	212.6	152.0	106.6
117.5°	492.4	526.2	492.4	458.6	450.2	377.5	280.6	232.2	206.3	154.8	116.2
120°	468.2	500.9	468.2	435.4	427.1	360.7	272.1	227.9	204.3	157.2	121.8
122.5°	444.4	476.8	444.4	412.1	404.0	344.1	264.4	224.5	203.2	160.4	128.4
125°	410.6	440.4	410.6	380.9	373.4	322.6	254.8	221.0	202.3	164.9	136.9
127.5°	380.3	405.4	380.3	355.1	348.8	305.2	247.0	217.9	201.8	169.3	145.1
130°	362.3	385.5	362.3	339.1	333.2	294.4	242.7	216.8	202.0	172.6	150.5
132.5°	346.0	366.9	346.0	325.2	320.0	285.3	239.0	215.8	202.3	175.3	155.0
135°	323.8	341.7	323.8	305.9	301.4	272.3	233.5	214.1	202.1	178.1	160.2
137.5°	306.0	320.6	306.0	291.3	287.6	263.0	230.3	213.8	203.4	182.4	166.8
140°	293.6	307.4	293.6	280.0	276.5	255.3	226.9	212.8	203.6	185.1	171.3
142.5°	283.5	295.4	283.5	271.8	268.8	250.1	225.2	212.8	204.2	187.2	174.5
145°	268.3	277.3	268.3	259.3	257.1	241.8	221.5	211.3	204.2	190.2	179.6
147.5°	256.6	264.0	256.6	249.2	247.4	235.3	219.4	211.3	205.7	194.4	185.9
150°	249.3	255.3	249.3	243.3	241.7	231.6	218.1	211.3	206.4	196.6	189.2
152.5°	243.0	247.6	243.0	238.5	237.3	228.6	217.1	211.3	206.9	198.0	191.3
155°	235.7	238.8	235.7	232.7	232.0	225.1	215.9	211.3	208.0	201.2	196.1
157.5°	230.1	232.2	230.1	228.0	227.4	222.0	214.9	211.3	209.0	204.3	200.8
160°	226.6	227.9	226.6	225.4	225.1	220.5	214.4	211.3	209.5	205.8	203.0
162.5°	224.4	225.6	224.4	223.3	223.0	219.1	213.9	211.3	210.0	207.3	205.3
165°	221.2	222.4	221.2	219.9	219.6	216.9	213.1	211.3	210.7	209.5	208.5
167.5°	218.9	219.4	218.9	218.3	218.2	216.4	214.0	212.8	212.3	211.2	210.5
170°	218.2	218.2	218.2	218.2	218.2	216.4	214.0	212.8	212.8	212.7	212.6
172.5°	216.5	216.1	216.5	217.0	217.1	215.6	213.7	212.8	212.8	212.8	212.8
175°	215.5	215.5	215.5	215.5	215.5	214.6	213.3	212.8	213.0	213.6	214.1
177.5°	214.6	214.1	214.6	215.1	215.2	214.5	213.5	213.0	213.2	213.7	214.1
180°	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1



TEST NUMBER: P933942

CATALOG NUMBER: SQ4-FA-025U-075D-92765-1D-UNV-STD-W-6-6500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0
2.5°	1537.6	1529.0	1529.0	1514.6	1508.9	1504.6	1497.4	1475.9	1470.1	1464.4	1473.0
5°	1550.5	1534.7	1523.2	1497.4	1475.9	1467.3	1440.0	1388.4	1354.0	1328.2	1313.8
7.5°	1553.3	1533.3	1511.7	1471.6	1419.9	1397.0	1313.8	1219.1	1193.3	1170.4	1156.0
10°	1550.5	1527.5	1497.4	1437.2	1315.2	1275.1	1191.9	1130.2	1114.4	1110.1	1114.4
12.5°	1540.4	1518.9	1477.3	1376.9	1206.2	1179.0	1130.2	1094.4	1091.5	1098.7	1137.4
15°	1523.2	1503.1	1454.4	1296.6	1146.0	1125.9	1091.5	1078.6	1094.4	1144.6	1260.7
17.5°	1506.0	1483.1	1422.8	1217.7	1100.1	1085.8	1061.4	1087.2	1176.1	1243.5	1282.3
20°	1483.1	1455.8	1387.0	1160.3	1067.1	1054.2	1042.7	1158.9	1226.3	1250.7	1272.2
22.5°	1455.8	1427.1	1338.2	1120.2	1032.7	1022.6	1029.8	1199.1	1226.3	1243.5	1262.2
25°	1419.9	1395.6	1280.8	1088.6	1005.4	994.0	1021.2	1194.8	1210.5	1214.8	1252.1
27.5°	1387.0	1355.4	1220.6	1059.9	972.4	968.1	1028.4	1176.1	1187.6	1191.9	1232.1
30°	1346.8	1299.5	1153.2	1029.8	938.0	936.6	1029.8	1153.2	1150.3	1161.8	1201.9
32.5°	1305.2	1216.3	1077.2	992.5	905.0	903.6	1019.8	1118.7	1115.9	1131.7	1161.8
35°	1266.5	1151.7	973.9	949.5	863.4	864.9	995.4	1078.6	1080.0	1094.4	1113.0
37.5°	1226.3	1095.8	860.6	902.2	823.3	823.3	962.4	1041.3	1038.4	1042.7	1068.5
40°	1179.0	1008.3	760.2	840.5	786.0	781.7	922.2	1001.1	991.1	989.7	1025.5
42.5°	1128.8	912.2	685.6	758.7	743.0	737.2	873.5	952.4	933.7	938.0	983.9
45°	1074.3	886.4	628.2	641.1	698.5	694.2	820.4	896.4	883.5	895.0	942.3
47.5°	1019.8	834.8	609.6	532.1	651.2	649.7	761.6	841.9	834.8	846.2	896.4
50°	945.2	777.4	608.1	456.1	598.1	603.8	691.3	788.9	788.9	798.9	852.0
52.5°	849.1	707.1	552.2	413.1	536.4	553.6	629.7	743.0	745.8	755.9	803.2
55°	761.6	634.0	512.0	380.1	463.3	500.6	569.4	695.6	701.4	711.4	754.4
57.5°	681.3	527.8	503.4	341.4	395.9	431.7	516.3	649.7	652.6	661.2	702.8
60°	595.2	381.5	461.8	299.8	337.1	364.3	467.6	595.2	605.3	611.0	646.9
62.5°	497.7	276.8	418.8	271.1	308.4	314.1	427.4	543.6	556.5	560.8	582.3
65°	354.3	232.4	355.7	246.7	278.3	279.7	384.4	490.5	502.0	509.2	524.9
67.5°	239.5	189.3	271.1	223.7	255.3	256.7	342.8	428.9	444.6	450.4	460.4
70°	166.4	126.2	200.8	199.4	229.5	232.4	298.3	372.9	387.3	391.6	397.3
72.5°	121.9	101.8	166.4	179.3	202.2	205.1	252.4	309.8	324.1	328.5	331.3
75°	93.2	107.6	134.8	156.3	172.1	173.5	206.5	252.4	262.5	265.3	266.8
77.5°	74.6	100.4	99.0	126.2	140.6	137.7	162.1	195.1	203.7	203.7	203.7
80°	55.9	78.9	74.6	90.4	103.3	100.4	116.2	139.1	142.0	144.9	143.4
82.5°	41.6	50.2	50.2	57.4	68.8	66.0	77.5	90.4	90.4	90.4	93.2
85°	25.8	28.7	22.9	30.1	38.7	37.3	43.0	48.8	50.2	50.2	47.3
87.5°	15.8	12.9	7.2	11.5	17.2	17.2	20.1	21.5	20.1	20.1	20.1
90°	3.7	2.6	1.4	2.6	3.7	4.0	6.3	9.4	10.9	9.7	7.3
92.5°	25.2	15.5	5.7	15.5	25.2	27.7	39.0	54.0	61.5	53.8	38.6
95°	49.5	31.6	13.8	31.6	49.5	54.0	95.9	151.7	179.7	160.4	121.6
97.5°	55.4	39.6	23.8	39.6	55.4	59.3	129.2	222.3	268.9	256.6	232.3
100°	60.2	45.9	31.6	45.9	60.2	63.8	141.3	244.7	296.3	297.2	299.0
102.5°	64.9	51.6	38.2	51.6	64.9	68.3	146.9	251.7	304.1	319.7	350.8
105°	72.0	60.7	49.4	60.7	72.0	74.9	151.0	252.4	303.2	338.1	408.0
107.5°	81.9	71.4	60.9	71.4	81.9	84.6	151.7	241.2	286.0	334.8	432.2
110°	87.7	78.2	68.7	78.2	87.7	90.1	150.6	231.3	271.7	326.2	435.1



TEST NUMBER: P933942

CATALOG NUMBER: SQ4-FA-025U-075D-92765-1D-UNV-STD-W-6-6500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	94.4	85.4	76.3	85.4	94.4	96.7	150.6	222.6	258.6	314.3	425.8
115°	104.5	96.2	87.8	96.2	104.5	106.6	152.0	212.6	242.9	296.6	404.0
117.5°	114.3	106.7	99.2	106.7	114.3	116.2	154.8	206.3	232.2	280.6	377.5
120°	120.0	112.9	105.8	112.9	120.0	121.8	157.2	204.3	227.9	272.1	360.7
122.5°	126.6	119.4	112.2	119.4	126.6	128.4	160.4	203.2	224.5	264.4	344.1
125°	135.3	128.7	122.1	128.7	135.3	136.9	164.9	202.3	221.0	254.8	322.6
127.5°	143.4	136.7	130.1	136.7	143.4	145.1	169.3	201.8	217.9	247.0	305.2
130°	148.7	141.6	134.4	141.6	148.7	150.5	172.6	202.0	216.8	242.7	294.4
132.5°	153.2	146.1	138.9	146.1	153.2	155.0	175.3	202.3	215.8	239.0	285.3
135°	158.5	152.0	145.5	152.0	158.5	160.2	178.1	202.1	214.1	233.5	272.3
137.5°	165.1	158.7	152.3	158.7	165.1	166.8	182.4	203.4	213.8	230.3	263.0
140°	169.7	163.8	157.9	163.8	169.7	171.3	185.1	203.6	212.8	226.9	255.3
142.5°	173.2	167.6	162.2	167.6	173.2	174.5	187.2	204.2	212.8	225.2	250.1
145°	178.3	173.5	168.8	173.5	178.3	179.6	190.2	204.2	211.3	221.5	241.8
147.5°	184.7	180.1	175.4	180.1	184.7	185.9	194.4	205.7	211.3	219.4	235.3
150°	188.2	183.9	179.7	183.9	188.2	189.2	196.6	206.4	211.3	218.1	231.6
152.5°	190.6	187.3	184.2	187.3	190.6	191.3	198.0	206.9	211.3	217.1	228.6
155°	195.5	193.2	190.8	193.2	195.5	196.1	201.2	208.0	211.3	215.9	225.1
157.5°	200.2	197.9	195.6	197.9	200.2	200.8	204.3	209.0	211.3	214.9	222.0
160°	202.5	200.8	199.0	200.8	202.5	203.0	205.8	209.5	211.3	214.4	220.5
162.5°	204.9	203.6	202.2	203.6	204.9	205.3	207.3	210.0	211.3	213.9	219.1
165°	208.3	207.0	205.9	207.0	208.3	208.5	209.5	210.7	211.3	213.1	216.9
167.5°	210.3	209.7	209.1	209.7	210.3	210.5	211.2	212.3	212.8	214.0	216.4
170°	212.5	211.9	211.3	211.9	212.5	212.6	212.7	212.8	212.8	214.0	216.4
172.5°	212.8	212.6	212.5	212.6	212.8	212.8	212.8	212.8	212.8	213.7	215.6
175°	214.1	214.1	214.1	214.1	214.1	214.1	213.6	213.0	212.8	213.3	214.6
177.5°	214.1	214.1	214.1	214.1	214.1	214.1	213.7	213.2	213.0	213.5	214.5
180°	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1



TEST NUMBER: P933942

CATALOG NUMBER: SQ4-FA-025U-075D-92765-1D-UNV-STD-W-6-6500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0	1516.0
2.5°	1463.0	1458.7	1464.4	1448.6	1464.4	1458.7	1463.0	1473.0	1464.4	1470.1	1475.9
5°	1283.7	1276.5	1253.6	1234.9	1253.6	1276.5	1283.7	1313.8	1328.2	1354.0	1388.4
7.5°	1147.4	1141.7	1136.0	1124.5	1136.0	1141.7	1147.4	1156.0	1170.4	1193.3	1219.1
10°	1117.3	1118.7	1127.4	1125.9	1127.4	1118.7	1117.3	1114.4	1110.1	1114.4	1130.2
12.5°	1194.8	1207.7	1255.0	1252.1	1255.0	1207.7	1194.8	1137.4	1098.7	1091.5	1094.4
15°	1283.7	1288.0	1298.0	1299.5	1298.0	1288.0	1283.7	1260.7	1144.6	1094.4	1078.6
17.5°	1292.3	1293.7	1300.9	1300.9	1300.9	1293.7	1292.3	1282.3	1243.5	1176.1	1087.2
20°	1285.1	1288.0	1302.3	1305.2	1302.3	1288.0	1285.1	1272.2	1250.7	1226.3	1158.9
22.5°	1282.3	1288.0	1299.5	1298.0	1299.5	1288.0	1282.3	1262.2	1243.5	1226.3	1199.1
25°	1267.9	1267.9	1269.3	1270.8	1269.3	1267.9	1267.9	1252.1	1214.8	1210.5	1194.8
27.5°	1237.8	1240.7	1249.3	1247.8	1249.3	1240.7	1237.8	1232.1	1191.9	1187.6	1176.1
30°	1210.5	1207.7	1200.5	1194.8	1200.5	1207.7	1210.5	1201.9	1161.8	1150.3	1153.2
32.5°	1164.6	1157.5	1150.3	1146.0	1150.3	1157.5	1164.6	1161.8	1131.7	1115.9	1118.7
35°	1110.1	1111.6	1110.1	1105.8	1110.1	1111.6	1110.1	1113.0	1094.4	1080.0	1078.6
37.5°	1071.4	1074.3	1072.8	1067.1	1072.8	1074.3	1071.4	1068.5	1042.7	1038.4	1041.3
40°	1031.3	1032.7	1031.3	1027.0	1031.3	1032.7	1031.3	1025.5	989.7	991.1	1001.1
42.5°	992.5	991.1	986.8	983.9	986.8	991.1	992.5	983.9	938.0	933.7	952.4
45°	948.1	949.5	940.9	936.6	940.9	949.5	948.1	942.3	895.0	883.5	896.4
47.5°	903.6	903.6	896.4	892.1	896.4	903.6	903.6	896.4	846.2	834.8	841.9
50°	856.3	854.8	844.8	843.4	844.8	854.8	856.3	852.0	798.9	788.9	788.9
52.5°	801.8	801.8	803.2	806.1	803.2	801.8	801.8	803.2	755.9	745.8	743.0
55°	754.4	755.9	765.9	768.8	765.9	755.9	754.4	754.4	711.4	701.4	695.6
57.5°	705.7	705.7	712.8	712.8	712.8	705.7	705.7	702.8	661.2	652.6	649.7
60°	649.7	652.6	658.3	656.9	658.3	652.6	649.7	646.9	611.0	605.3	595.2
62.5°	590.9	593.8	595.2	592.4	595.2	593.8	590.9	582.3	560.8	556.5	543.6
65°	529.3	532.1	533.6	530.7	533.6	532.1	529.3	524.9	509.2	502.0	490.5
67.5°	466.1	464.7	463.3	469.0	463.3	464.7	466.1	460.4	450.4	444.6	428.9
70°	401.6	401.6	400.2	403.0	400.2	401.6	401.6	397.3	391.6	387.3	372.9
72.5°	332.8	331.3	337.1	332.8	337.1	331.3	332.8	331.3	328.5	324.1	309.8
75°	265.3	268.2	265.3	269.6	265.3	268.2	265.3	266.8	265.3	262.5	252.4
77.5°	202.2	205.1	202.2	202.2	202.2	205.1	202.2	203.7	203.7	203.7	195.1
80°	143.4	142.0	142.0	140.6	142.0	142.0	143.4	143.4	144.9	142.0	139.1
82.5°	91.8	90.4	90.4	93.2	90.4	90.4	91.8	93.2	90.4	90.4	90.4
85°	50.2	51.6	48.8	48.8	48.8	51.6	50.2	47.3	50.2	50.2	48.8
87.5°	18.6	17.2	17.2	17.2	17.2	17.2	18.6	20.1	20.1	20.1	21.5
90°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	7.3	9.7	10.9	9.4
92.5°	27.3	26.2	21.8	17.5	21.8	26.2	27.3	38.6	53.8	61.5	54.0
95°	92.7	89.4	76.2	63.1	76.2	89.4	92.7	121.6	160.4	179.7	151.7
97.5°	213.9	207.7	182.6	157.6	182.6	207.7	213.9	232.3	256.6	268.9	222.3
100°	300.3	292.9	263.1	233.3	263.1	292.9	300.3	299.0	297.2	296.3	244.7
102.5°	374.3	367.8	342.3	316.8	342.3	367.8	374.3	350.8	319.7	304.1	251.7
105°	460.4	457.0	443.3	429.5	443.3	457.0	460.4	408.0	338.1	303.2	252.4
107.5°	505.3	506.1	509.4	512.7	509.4	506.1	505.3	432.2	334.8	286.0	241.2
110°	516.7	520.3	534.6	549.0	534.6	520.3	516.7	435.1	326.2	271.7	231.3



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	509.4	514.8	536.8	558.8	536.8	514.8	509.4	425.8	314.3	258.6	222.6
115°	484.5	492.2	522.6	553.1	522.6	492.2	484.5	404.0	296.6	242.9	212.6
117.5°	450.2	458.6	492.4	526.2	492.4	458.6	450.2	377.5	280.6	232.2	206.3
120°	427.1	435.4	468.2	500.9	468.2	435.4	427.1	360.7	272.1	227.9	204.3
122.5°	404.0	412.1	444.4	476.8	444.4	412.1	404.0	344.1	264.4	224.5	203.2
125°	373.4	380.9	410.6	440.4	410.6	380.9	373.4	322.6	254.8	221.0	202.3
127.5°	348.8	355.1	380.3	405.4	380.3	355.1	348.8	305.2	247.0	217.9	201.8
130°	333.2	339.1	362.3	385.5	362.3	339.1	333.2	294.4	242.7	216.8	202.0
132.5°	320.0	325.2	346.0	366.9	346.0	325.2	320.0	285.3	239.0	215.8	202.3
135°	301.4	305.9	323.8	341.7	323.8	305.9	301.4	272.3	233.5	214.1	202.1
137.5°	287.6	291.3	306.0	320.6	306.0	291.3	287.6	263.0	230.3	213.8	203.4
140°	276.5	280.0	293.6	307.4	293.6	280.0	276.5	255.3	226.9	212.8	203.6
142.5°	268.8	271.8	283.5	295.4	283.5	271.8	268.8	250.1	225.2	212.8	204.2
145°	257.1	259.3	268.3	277.3	268.3	259.3	257.1	241.8	221.5	211.3	204.2
147.5°	247.4	249.2	256.6	264.0	256.6	249.2	247.4	235.3	219.4	211.3	205.7
150°	241.7	243.3	249.3	255.3	249.3	243.3	241.7	231.6	218.1	211.3	206.4
152.5°	237.3	238.5	243.0	247.6	243.0	238.5	237.3	228.6	217.1	211.3	206.9
155°	232.0	232.7	235.7	238.8	235.7	232.7	232.0	225.1	215.9	211.3	208.0
157.5°	227.4	228.0	230.1	232.2	230.1	228.0	227.4	222.0	214.9	211.3	209.0
160°	225.1	225.4	226.6	227.9	226.6	225.4	225.1	220.5	214.4	211.3	209.5
162.5°	223.0	223.3	224.4	225.6	224.4	223.3	223.0	219.1	213.9	211.3	210.0
165°	219.6	219.9	221.2	222.4	221.2	219.9	219.6	216.9	213.1	211.3	210.7
167.5°	218.2	218.3	218.9	219.4	218.9	218.3	218.2	216.4	214.0	212.8	212.3
170°	218.2	218.2	218.2	218.2	218.2	218.2	218.2	216.4	214.0	212.8	212.8
172.5°	217.1	217.0	216.5	216.1	216.5	217.0	217.1	215.6	213.7	212.8	212.8
175°	215.5	215.5	215.5	215.5	215.5	215.5	215.5	214.6	213.3	212.8	213.0
177.5°	215.2	215.1	214.6	214.1	214.6	215.1	215.2	214.5	213.5	213.0	213.2
180°	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1	214.1



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1516.0	1516.0	1516.0	1516.0	1516.0
2.5°	1497.4	1504.6	1508.9	1514.6	1529.0
5°	1440.0	1467.3	1475.9	1497.4	1523.2
7.5°	1313.8	1397.0	1419.9	1471.6	1511.7
10°	1191.9	1275.1	1315.2	1437.2	1497.4
12.5°	1130.2	1179.0	1206.2	1376.9	1477.3
15°	1091.5	1125.9	1146.0	1296.6	1454.4
17.5°	1061.4	1085.8	1100.1	1217.7	1422.8
20°	1042.7	1054.2	1067.1	1160.3	1387.0
22.5°	1029.8	1022.6	1032.7	1120.2	1338.2
25°	1021.2	994.0	1005.4	1088.6	1280.8
27.5°	1028.4	968.1	972.4	1059.9	1220.6
30°	1029.8	936.6	938.0	1029.8	1153.2
32.5°	1019.8	903.6	905.0	992.5	1077.2
35°	995.4	864.9	863.4	949.5	973.9
37.5°	962.4	823.3	823.3	902.2	860.6
40°	922.2	781.7	786.0	840.5	760.2
42.5°	873.5	737.2	743.0	758.7	685.6
45°	820.4	694.2	698.5	641.1	628.2
47.5°	761.6	649.7	651.2	532.1	609.6
50°	691.3	603.8	598.1	456.1	608.1
52.5°	629.7	553.6	536.4	413.1	552.2
55°	569.4	500.6	463.3	380.1	512.0
57.5°	516.3	431.7	395.9	341.4	503.4
60°	467.6	364.3	337.1	299.8	461.8
62.5°	427.4	314.1	308.4	271.1	418.8
65°	384.4	279.7	278.3	246.7	355.7
67.5°	342.8	256.7	255.3	223.7	271.1
70°	298.3	232.4	229.5	199.4	200.8
72.5°	252.4	205.1	202.2	179.3	166.4
75°	206.5	173.5	172.1	156.3	134.8
77.5°	162.1	137.7	140.6	126.2	99.0
80°	116.2	100.4	103.3	90.4	74.6
82.5°	77.5	66.0	68.8	57.4	50.2
85°	43.0	37.3	38.7	30.1	22.9
87.5°	20.1	17.2	17.2	11.5	7.2
90°	6.3	4.0	3.7	2.6	1.4
92.5°	39.0	27.7	25.2	15.5	5.7
95°	95.9	54.0	49.5	31.6	13.8
97.5°	129.2	59.3	55.4	39.6	23.8
100°	141.3	63.8	60.2	45.9	31.6
102.5°	146.9	68.3	64.9	51.6	38.2
105°	151.0	74.9	72.0	60.7	49.4
107.5°	151.7	84.6	81.9	71.4	60.9
110°	150.6	90.1	87.7	78.2	68.7



TEST NUMBER: P933942

CATALOG NUMBER: SQ4-FA-025U-075D-92765-1D-UNV-STD-W-6-6500K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	150.6	96.7	94.4	85.4	76.3
115°	152.0	106.6	104.5	96.2	87.8
117.5°	154.8	116.2	114.3	106.7	99.2
120°	157.2	121.8	120.0	112.9	105.8
122.5°	160.4	128.4	126.6	119.4	112.2
125°	164.9	136.9	135.3	128.7	122.1
127.5°	169.3	145.1	143.4	136.7	130.1
130°	172.6	150.5	148.7	141.6	134.4
132.5°	175.3	155.0	153.2	146.1	138.9
135°	178.1	160.2	158.5	152.0	145.5
137.5°	182.4	166.8	165.1	158.7	152.3
140°	185.1	171.3	169.7	163.8	157.9
142.5°	187.2	174.5	173.2	167.6	162.2
145°	190.2	179.6	178.3	173.5	168.8
147.5°	194.4	185.9	184.7	180.1	175.4
150°	196.6	189.2	188.2	183.9	179.7
152.5°	198.0	191.3	190.6	187.3	184.2
155°	201.2	196.1	195.5	193.2	190.8
157.5°	204.3	200.8	200.2	197.9	195.6
160°	205.8	203.0	202.5	200.8	199.0
162.5°	207.3	205.3	204.9	203.6	202.2
165°	209.5	208.5	208.3	207.0	205.9
167.5°	211.2	210.5	210.3	209.7	209.1
170°	212.7	212.6	212.5	211.9	211.3
172.5°	212.8	212.8	212.8	212.6	212.5
175°	213.6	214.1	214.1	214.1	214.1
177.5°	213.7	214.1	214.1	214.1	214.1
180°	214.1	214.1	214.1	214.1	214.1



TEST NUMBER: P933942

CATALOG NUMBER: SQ4-FA-025U-075D-92765-1D-UNV-STD-W-6-6500K

**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	14.55	15.67	15.27	16.41	17.30	17.37	18.50	18.09	19.24	20.12
	3H	15.04	16.05	15.78	16.80	17.72	18.73	19.74	19.47	20.50	21.41
	4H	15.25	16.20	16.00	16.96	17.89	19.19	20.14	19.94	20.90	21.83
	6H	15.38	16.26	16.14	17.03	17.97	19.49	20.37	20.25	21.14	22.08
	8H	15.39	16.23	16.16	17.02	17.96	19.57	20.41	20.34	21.20	22.14
	12H	15.37	16.17	16.15	16.95	17.92	19.61	20.41	20.39	21.20	22.17
4H	2H	15.61	16.56	16.36	17.32	18.25	17.81	18.76	18.57	19.53	20.45
	3H	16.66	17.45	17.43	18.25	19.20	19.34	20.13	20.11	20.93	21.88
	4H	16.95	17.67	17.73	18.47	19.44	19.88	20.60	20.66	21.40	22.37
	6H	17.09	17.71	17.89	18.53	19.51	20.26	20.88	21.06	21.70	22.68
	8H	17.10	17.68	17.90	18.50	19.49	20.37	20.95	21.17	21.77	22.76
	12H	17.08	17.60	17.90	18.44	19.44	20.44	20.96	21.26	21.80	22.80
8H	4H	17.42	18.01	18.23	18.82	19.81	20.02	20.61	20.83	21.42	22.42
	6H	17.69	18.18	18.53	19.04	20.03	20.47	20.95	21.30	21.81	22.81
	8H	17.74	18.17	18.58	19.02	20.03	20.62	21.05	21.47	21.91	22.92
	12H	17.73	18.11	18.58	18.96	20.03	20.73	21.11	21.58	21.96	23.02
12H	4H	17.44	17.97	18.26	18.80	19.80	20.00	20.53	20.83	21.36	22.36
	6H	17.76	18.19	18.60	19.04	20.05	20.47	20.90	21.31	21.76	22.76
	8H	17.83	18.21	18.68	19.06	20.13	20.64	21.02	21.49	21.87	22.93