

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: P934445

Luminaire Tested: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-8-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934445
REPORT IS A COMBINATION OF REPORTS P933700 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-8-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

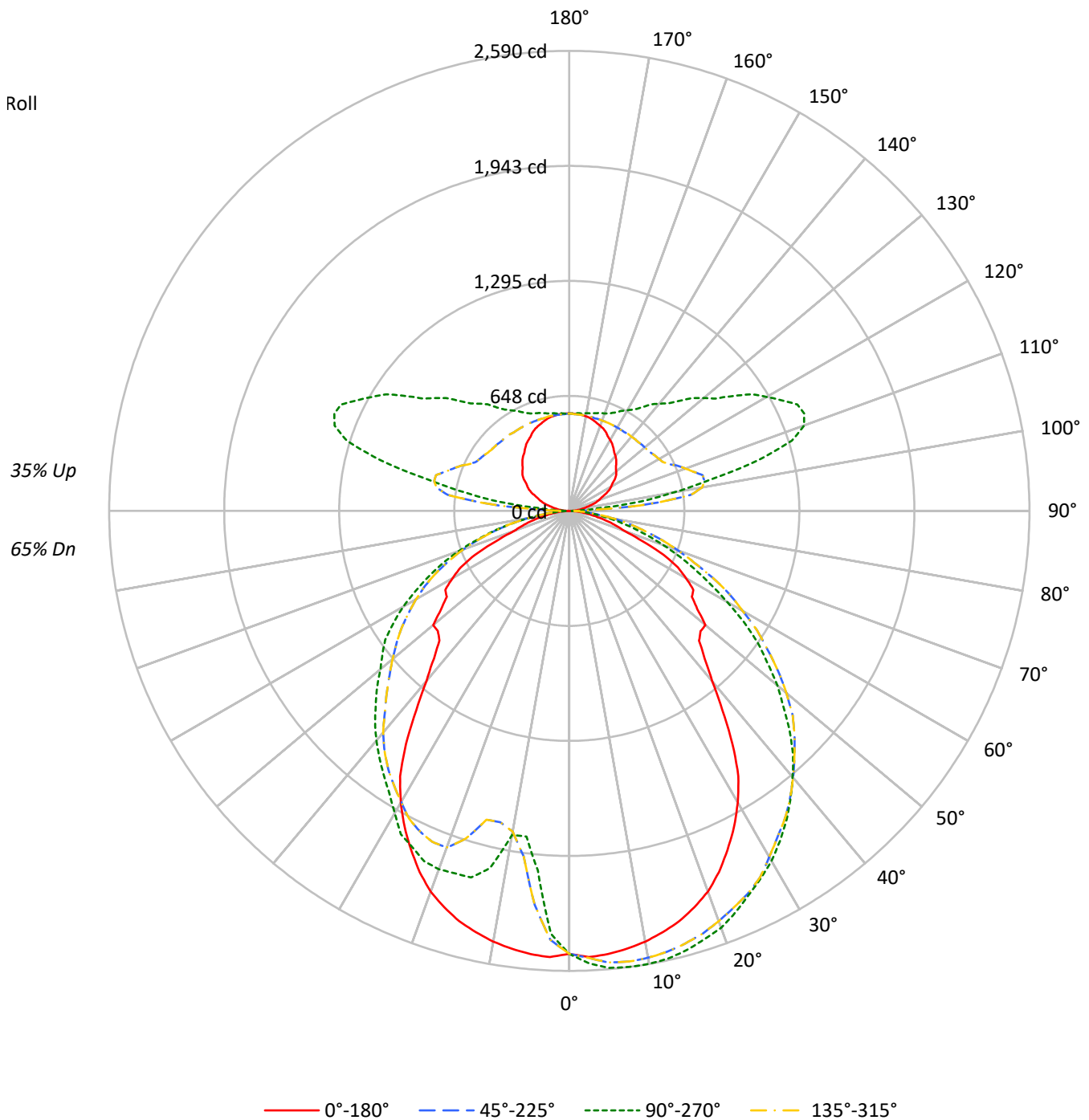
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10020.6 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 90.4
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





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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	111	111	111	111	104	104	104	104	91	91	91	80	80	80	69	69	69	65		
1	101	97	93	89	95	91	88	84	80	78	75	71	69	67	62	60	59	55		
2	92	85	78	73	86	80	74	69	70	66	63	62	59	56	54	52	50	46		
3	84	74	67	61	79	70	63	58	62	57	53	55	51	47	48	45	42	39		
4	77	66	58	52	72	62	55	49	55	49	45	49	44	41	43	39	36	33		
5	71	59	50	44	66	56	48	42	49	43	39	44	39	35	39	35	32	29		
6	65	53	44	38	61	50	42	37	45	38	34	40	35	31	35	31	28	25		
7	60	48	39	34	56	45	38	32	40	34	30	36	31	27	32	28	25	22		
8	56	43	35	30	52	41	34	29	37	31	27	33	28	24	29	25	22	20		
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	27	23	20	18		
10	49	36	29	24	46	35	28	23	31	25	21	28	23	20	25	21	18	16		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11567	11567	11567	11567
5°	11654	11677	11654	9182
10°	11576	11502	11576	8223
15°	11450	11253	11450	9396
20°	11211	10958	11211	9416
25°	10720	10527	10720	9216
30°	10087	10170	10087	8778
35°	8992	9718	8992	8297
40°	7493	9185	7493	7933
45°	6695	8562	6695	7515
50°	7113	7819	7113	7095
55°	6692	7018	6692	6852
60°	6898	5961	6898	6276
65°	6254	4928	6254	5508
70°	4331	3927	4331	4617
75°	3797	2903	3797	3476
80°	3059	1919	3059	2090
85°	1761	1016	1761	864

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10261 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.1	2.2
10°-20°	639.0	6.4
20°-30°	987.8	9.9
30°-40°	1179.2	11.8
40°-50°	1186.1	11.8
50°-60°	1032.0	10.3
60°-70°	731.7	7.3
70°-80°	387.1	3.9
80°-90°	98.5	1.0
90°-100°	267.2	2.7
100°-110°	702.6	7.0
110°-120°	728.5	7.3
120°-130°	584.4	5.8
130°-140°	458.5	4.6
140°-150°	351.9	3.5
150°-160°	253.5	2.5
160°-170°	155.1	1.5
170°-180°	52.4	0.5
0°-30°	1851.8	18.5
0°-40°	3031.0	30.2
0°-60°	5249.1	52.4
0°-90°	6466.4	64.5
90°-120°	1698.4	16.9
90°-150°	3093.2	30.9
90°-180°	3554.0	35.5
0°-180°	10020.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2493	2493	2493	2493	2493	
5°	2505	2583	2505	2031	2505	238
15°	2392	2559	2392	2137	2392	673
25°	2106	2387	2106	2090	2106	967
35°	1602	2130	1602	1818	1602	991
45°	1033	1755	1033	1540	1033	828
55°	842	1295	842	1264	842	774
65°	585	781	585	873	585	559
75°	222	370	222	444	222	233
85°	38	94	38	80	38	51
90°	4	14	4	14	4	5
95°	35	162	35	162	35	39
105°	127	1100	127	1100	127	134
115°	225	1417	225	1417	225	222
125°	313	1128	313	1128	313	278
135°	373	875	373	875	373	288
145°	432	710	432	710	432	271
155°	489	612	489	612	489	225
165°	527	570	527	570	527	149
175°	548	552	548	552	548	52
180°	548	548	548	548	548	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2
2.5°	2514.4	2514.4	2528.5	2533.3	2533.3	2526.2	2519.2	2526.2	2547.4	2554.5	2552.2
5°	2505.0	2523.8	2549.8	2554.5	2559.2	2556.8	2552.2	2556.8	2580.5	2585.2	2587.5
7.5°	2486.1	2521.5	2554.5	2561.6	2568.7	2561.6	2559.2	2564.0	2587.5	2592.3	2592.3
10°	2462.5	2512.0	2549.8	2554.5	2561.6	2554.5	2554.5	2564.0	2587.5	2592.3	2594.6
12.5°	2429.4	2497.9	2533.3	2538.0	2547.4	2545.0	2542.7	2552.2	2575.7	2580.5	2580.5
15°	2391.8	2471.9	2505.0	2509.7	2526.2	2521.5	2521.5	2530.9	2556.8	2564.0	2561.6
17.5°	2339.8	2438.9	2476.7	2483.7	2495.5	2493.2	2495.5	2505.0	2528.5	2533.3	2535.7
20°	2280.9	2394.1	2438.9	2446.0	2457.8	2457.8	2457.8	2469.6	2493.2	2502.6	2502.6
22.5°	2200.7	2347.0	2394.1	2398.8	2412.9	2412.9	2417.7	2434.2	2455.4	2457.8	2457.8
25°	2106.3	2295.0	2335.1	2349.3	2363.5	2370.5	2377.6	2387.0	2394.1	2391.8	2394.1
27.5°	2007.2	2229.0	2280.9	2290.3	2309.2	2316.3	2325.7	2328.0	2330.5	2337.5	2332.8
30°	1896.4	2137.0	2214.9	2224.3	2254.9	2259.7	2250.2	2254.9	2266.7	2271.5	2276.2
32.5°	1771.4	2000.2	2146.5	2167.6	2195.9	2181.8	2179.4	2186.6	2205.4	2205.4	2210.1
35°	1601.5	1894.1	2082.8	2101.6	2122.8	2106.3	2115.8	2118.1	2130.0	2137.0	2134.6
37.5°	1415.2	1802.0	2016.7	2030.9	2047.4	2026.2	2040.3	2047.4	2056.8	2052.1	2052.1
40°	1250.1	1658.2	1938.9	1948.3	1962.4	1945.9	1960.1	1964.8	1969.6	1964.8	1962.4
42.5°	1127.5	1500.1	1856.3	1868.1	1858.7	1870.5	1875.2	1884.6	1877.5	1868.1	1868.1
45°	1033.1	1457.6	1766.7	1780.9	1766.7	1785.6	1792.6	1792.6	1771.4	1766.7	1764.4
47.5°	1002.5	1372.8	1677.1	1677.1	1670.0	1693.6	1705.4	1688.8	1667.6	1660.5	1660.5
50°	1000.1	1278.4	1554.4	1544.9	1578.0	1606.3	1594.5	1578.0	1561.5	1535.5	1535.5
52.5°	908.2	1162.8	1396.3	1431.8	1483.6	1500.1	1481.3	1464.8	1436.5	1424.7	1415.2
55°	842.1	1042.6	1252.5	1323.2	1377.5	1398.7	1363.3	1346.9	1304.4	1297.3	1292.6
57.5°	827.9	868.0	1120.4	1210.0	1276.1	1273.7	1252.5	1221.8	1186.5	1179.3	1177.0
60°	759.5	627.4	978.8	1085.0	1153.4	1146.3	1127.5	1099.2	1066.1	1061.4	1056.7
62.5°	688.7	455.2	818.4	938.8	1035.4	1033.1	1016.6	974.1	950.6	938.8	929.3
65°	584.9	382.1	582.6	780.8	919.9	924.6	889.2	858.6	832.6	818.4	816.1
67.5°	445.8	311.3	393.9	651.0	809.1	804.3	759.5	745.3	712.3	705.3	691.1
70°	330.2	207.5	273.6	528.3	700.5	688.7	653.4	636.9	606.2	589.7	580.2
72.5°	273.6	167.5	200.5	410.4	589.7	575.6	544.9	526.0	500.0	485.9	476.5
75°	221.7	176.9	153.4	304.3	478.8	469.4	441.0	422.2	401.0	382.1	384.5
77.5°	162.7	165.1	122.6	224.0	379.7	365.6	349.1	325.5	316.1	297.2	297.2
80°	122.6	129.7	92.0	153.4	273.6	273.6	259.5	243.0	226.5	217.0	217.0
82.5°	82.6	82.6	68.4	96.7	186.4	179.2	169.9	165.1	155.7	150.9	150.9
85°	37.8	47.1	42.5	59.0	101.4	106.1	106.1	101.4	99.1	94.3	96.7
87.5°	11.8	21.2	26.0	33.0	51.9	54.3	56.6	56.6	56.6	59.0	59.0
90°	3.7	6.6	9.6	10.3	16.2	24.0	27.9	24.8	18.7	14.0	14.0
92.5°	14.7	39.7	64.8	71.1	99.9	138.3	157.5	138.0	99.1	69.9	67.1
95°	35.3	81.1	126.9	138.4	245.6	388.7	460.3	410.8	311.7	237.3	229.0
97.5°	61.1	101.4	141.8	151.9	330.9	569.5	688.8	657.5	594.8	547.9	531.8
100°	81.0	117.6	154.2	163.3	362.0	626.7	759.1	761.4	766.0	769.3	750.2
102.5°	97.9	132.1	166.2	174.8	376.2	644.7	779.0	818.9	898.7	958.5	942.2
105°	126.6	155.5	184.5	191.7	386.8	646.8	776.8	866.2	1045.2	1179.3	1170.5
107.5°	156.0	183.0	209.9	216.7	388.6	618.0	732.6	857.4	1106.9	1294.1	1296.3
110°	175.8	200.2	224.7	230.7	385.8	592.4	695.8	835.3	1114.3	1323.5	1332.7



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	195.4	218.6	241.8	247.6	385.9	570.2	662.3	805.1	1090.6	1304.7	1318.8
115°	224.9	246.3	267.7	273.1	389.5	544.7	622.2	759.8	1034.8	1241.1	1260.6
117.5°	253.9	273.3	292.8	297.7	396.7	528.6	594.6	718.7	967.0	1153.2	1174.8
120°	270.8	289.1	307.5	312.1	402.6	523.3	583.6	697.0	923.8	1093.9	1114.9
122.5°	287.3	305.8	324.3	328.9	411.0	520.4	575.1	677.2	881.6	1034.7	1055.4
125°	312.8	329.6	346.4	350.6	422.4	518.1	565.9	652.7	826.2	956.4	975.5
127.5°	333.4	350.4	367.3	371.6	433.8	516.7	558.2	632.7	781.7	893.4	909.5
130°	344.4	362.7	381.1	385.6	442.1	517.5	555.2	621.5	754.2	853.6	868.5
132.5°	355.8	374.1	392.5	397.0	448.9	518.1	552.7	612.1	730.8	819.8	833.1
135°	372.8	389.5	406.1	410.2	456.2	517.5	548.2	598.0	697.4	771.9	783.5
137.5°	390.1	406.6	423.1	427.2	467.3	520.8	547.5	589.6	673.7	736.7	746.1
140°	404.4	419.6	434.8	438.6	474.1	521.3	544.9	581.3	653.8	708.3	717.0
142.5°	415.4	429.4	443.5	447.0	479.7	523.2	544.9	576.8	640.6	688.5	696.1
145°	432.4	444.6	456.9	460.0	487.1	523.3	541.3	567.3	619.6	658.7	664.4
147.5°	449.3	461.2	473.2	476.1	497.8	526.8	541.3	561.8	602.8	633.6	638.3
150°	460.3	471.1	481.9	484.6	503.5	528.7	541.3	558.6	593.3	619.3	623.1
152.5°	471.7	480.0	488.1	490.1	507.2	529.9	541.3	556.1	585.6	607.9	610.8
155°	488.6	494.7	500.8	502.3	515.3	532.6	541.3	553.1	576.5	594.2	596.2
157.5°	501.1	507.0	512.9	514.4	523.3	535.3	541.3	550.4	568.7	582.4	583.8
160°	509.6	514.2	518.8	520.0	527.1	536.6	541.3	549.1	564.8	576.5	577.3
162.5°	518.1	521.6	524.9	525.8	531.0	537.9	541.3	547.9	561.2	571.1	571.8
165°	527.3	530.4	533.4	534.2	536.6	539.7	541.3	546.0	555.5	562.6	563.4
167.5°	535.8	537.2	538.7	539.1	541.0	543.6	544.9	548.1	554.3	559.0	559.3
170°	541.3	542.7	544.2	544.6	544.7	544.9	544.9	548.1	554.3	559.0	559.0
172.5°	544.2	544.6	544.9	544.9	544.9	544.9	544.9	547.4	552.4	556.0	555.7
175°	548.2	548.2	548.2	548.2	547.2	545.7	544.9	546.5	549.6	551.9	551.9
177.5°	548.2	548.2	548.2	548.2	547.4	546.2	545.7	546.9	549.3	551.2	550.8
180°	548.2	548.2	548.2	548.2	548.2	548.2	548.2	548.2	548.2	548.2	548.2



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2
2.5°	2556.8	2549.8	2556.8	2552.2	2554.5	2547.4	2526.2	2519.2	2526.2	2533.3	2533.3
5°	2587.5	2582.8	2587.5	2587.5	2585.2	2580.5	2556.8	2552.2	2556.8	2559.2	2554.5
7.5°	2597.0	2589.8	2597.0	2592.3	2592.3	2587.5	2564.0	2559.2	2561.6	2568.7	2561.6
10°	2597.0	2589.8	2597.0	2594.6	2592.3	2587.5	2564.0	2554.5	2554.5	2561.6	2554.5
12.5°	2585.2	2580.5	2585.2	2580.5	2580.5	2575.7	2552.2	2542.7	2545.0	2547.4	2538.0
15°	2566.3	2559.2	2566.3	2561.6	2564.0	2556.8	2530.9	2521.5	2521.5	2526.2	2509.7
17.5°	2538.0	2528.5	2538.0	2535.7	2533.3	2528.5	2505.0	2495.5	2493.2	2495.5	2483.7
20°	2505.0	2497.9	2505.0	2502.6	2502.6	2493.2	2469.6	2457.8	2457.8	2457.8	2446.0
22.5°	2453.1	2446.0	2453.1	2457.8	2457.8	2455.4	2434.2	2417.7	2412.9	2412.9	2398.8
25°	2394.1	2387.0	2394.1	2394.1	2391.8	2394.1	2387.0	2377.6	2370.5	2363.5	2349.3
27.5°	2337.5	2332.8	2337.5	2332.8	2337.5	2330.5	2328.0	2325.7	2316.3	2309.2	2290.3
30°	2280.9	2276.2	2280.9	2276.2	2271.5	2266.7	2254.9	2250.2	2259.7	2254.9	2224.3
32.5°	2210.1	2205.4	2210.1	2210.1	2205.4	2205.4	2186.6	2179.4	2181.8	2195.9	2167.6
35°	2137.0	2130.0	2137.0	2134.6	2137.0	2130.0	2118.1	2115.8	2106.3	2122.8	2101.6
37.5°	2052.1	2045.0	2052.1	2052.1	2052.1	2056.8	2047.4	2040.3	2026.2	2047.4	2030.9
40°	1964.8	1955.4	1964.8	1962.4	1964.8	1969.6	1964.8	1960.1	1945.9	1962.4	1948.3
42.5°	1865.8	1863.4	1865.8	1868.1	1868.1	1877.5	1884.6	1875.2	1870.5	1858.7	1868.1
45°	1759.6	1754.9	1759.6	1764.4	1766.7	1771.4	1792.6	1792.6	1785.6	1766.7	1780.9
47.5°	1646.3	1634.6	1646.3	1660.5	1660.5	1667.6	1688.8	1705.4	1693.6	1670.0	1677.1
50°	1526.1	1528.4	1526.1	1535.5	1535.5	1561.5	1578.0	1594.5	1606.3	1578.0	1544.9
52.5°	1408.2	1405.8	1408.2	1415.2	1424.7	1436.5	1464.8	1481.3	1500.1	1483.6	1431.8
55°	1290.2	1294.9	1290.2	1292.6	1297.3	1304.4	1346.9	1363.3	1398.7	1377.5	1323.2
57.5°	1172.3	1165.2	1172.3	1177.0	1179.3	1186.5	1221.8	1252.5	1273.7	1276.1	1210.0
60°	1035.4	1026.1	1035.4	1056.7	1061.4	1066.1	1099.2	1127.5	1146.3	1153.4	1085.0
62.5°	915.2	898.7	915.2	929.3	938.8	950.6	974.1	1016.6	1033.1	1035.4	938.8
65°	787.8	780.8	787.8	816.1	818.4	832.6	858.6	889.2	924.6	919.9	780.8
67.5°	672.2	672.2	672.2	691.1	705.3	712.3	745.3	759.5	804.3	809.1	651.0
70°	566.1	563.8	566.1	580.2	589.7	606.2	636.9	653.4	688.7	700.5	528.3
72.5°	464.7	462.3	464.7	476.5	485.9	500.0	526.0	544.9	575.6	589.7	410.4
75°	375.1	370.3	375.1	384.5	382.1	401.0	422.2	441.0	469.4	478.8	304.3
77.5°	287.8	287.8	287.8	297.2	297.2	316.1	325.5	349.1	365.6	379.7	224.0
80°	214.7	212.3	214.7	217.0	217.0	226.5	243.0	259.5	273.6	273.6	153.4
82.5°	150.9	146.2	150.9	150.9	150.9	155.7	165.1	169.9	179.2	186.4	96.7
85°	94.3	94.3	94.3	96.7	94.3	99.1	101.4	106.1	106.1	101.4	59.0
87.5°	61.3	59.0	61.3	59.0	59.0	56.6	56.6	56.6	54.3	51.9	33.0
90°	14.0	14.0	14.0	14.0	14.0	18.7	24.8	27.9	24.0	16.2	10.3
92.5°	56.0	44.9	56.0	67.1	69.9	99.1	138.0	157.5	138.3	99.9	71.1
95°	195.2	161.6	195.2	229.0	237.3	311.7	410.8	460.3	388.7	245.6	138.4
97.5°	467.7	403.6	467.7	531.8	547.9	594.8	657.5	688.8	569.5	330.9	151.9
100°	673.9	597.5	673.9	750.2	769.3	766.0	761.4	759.1	626.7	362.0	163.3
102.5°	876.7	811.3	876.7	942.2	958.5	898.7	818.9	779.0	644.7	376.2	174.8
105°	1135.3	1100.2	1135.3	1170.5	1179.3	1045.2	866.2	776.8	646.8	386.8	191.7
107.5°	1304.7	1313.2	1304.7	1296.3	1294.1	1106.9	857.4	732.6	618.0	388.6	216.7
110°	1369.3	1406.0	1369.3	1332.7	1323.5	1114.3	835.3	695.8	592.4	385.8	230.7



TEST NUMBER: P934445

CATALOG NUMBER: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1375.1	1431.3	1375.1	1318.8	1304.7	1090.6	805.1	662.3	570.2	385.9	247.6
115°	1338.6	1416.6	1338.6	1260.6	1241.1	1034.8	759.8	622.2	544.7	389.5	273.1
117.5°	1261.4	1347.9	1261.4	1174.8	1153.2	967.0	718.7	594.6	528.6	396.7	297.7
120°	1199.0	1283.1	1199.0	1114.9	1093.9	923.8	697.0	583.6	523.3	402.6	312.1
122.5°	1138.4	1221.3	1138.4	1055.4	1034.7	881.6	677.2	575.1	520.4	411.0	328.9
125°	1051.8	1128.2	1051.8	975.5	956.4	826.2	652.7	565.9	518.1	422.4	350.6
127.5°	973.9	1038.4	973.9	909.5	893.4	781.7	632.7	558.2	516.7	433.8	371.6
130°	928.1	987.6	928.1	868.5	853.6	754.2	621.5	555.2	517.5	442.1	385.6
132.5°	886.5	939.8	886.5	833.1	819.8	730.8	612.1	552.7	518.1	448.9	397.0
135°	829.4	875.4	829.4	783.5	771.9	697.4	598.0	548.2	517.5	456.2	410.2
137.5°	783.7	821.3	783.7	746.1	736.7	673.7	589.6	547.5	520.8	467.3	427.2
140°	752.2	787.4	752.2	717.0	708.3	653.8	581.3	544.9	521.3	474.1	438.6
142.5°	726.2	756.5	726.2	696.1	688.5	640.6	576.8	544.9	523.2	479.7	447.0
145°	687.3	710.2	687.3	664.4	658.7	619.6	567.3	541.3	523.3	487.1	460.0
147.5°	657.3	676.3	657.3	638.3	633.6	602.8	561.8	541.3	526.8	497.8	476.1
150°	638.5	653.8	638.5	623.1	619.3	593.3	558.6	541.3	528.7	503.5	484.6
152.5°	622.4	634.0	622.4	610.8	607.9	585.6	556.1	541.3	529.9	507.2	490.1
155°	603.9	611.5	603.9	596.2	594.2	576.5	553.1	541.3	532.6	515.3	502.3
157.5°	589.2	594.6	589.2	583.8	582.4	568.7	550.4	541.3	535.3	523.3	514.4
160°	580.5	583.6	580.5	577.3	576.5	564.8	549.1	541.3	536.6	527.1	520.0
162.5°	574.8	577.7	574.8	571.8	571.1	561.2	547.9	541.3	537.9	531.0	525.8
165°	566.5	569.6	566.5	563.4	562.6	555.5	546.0	541.3	539.7	536.6	534.2
167.5°	560.6	561.9	560.6	559.3	559.0	554.3	548.1	544.9	543.6	541.0	539.1
170°	559.0	559.0	559.0	559.0	559.0	554.3	548.1	544.9	544.9	544.7	544.6
172.5°	554.6	553.4	554.6	555.7	556.0	552.4	547.4	544.9	544.9	544.9	544.9
175°	551.9	551.9	551.9	551.9	551.9	549.6	546.5	544.9	545.7	547.2	548.2
177.5°	549.6	548.2	549.6	550.8	551.2	549.3	546.9	545.7	546.2	547.4	548.2
180°	548.2	548.2	548.2	548.2	548.2	548.2	548.2	548.2	548.2	548.2	548.2



TEST NUMBER: P934445

CATALOG NUMBER: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2
2.5°	2528.5	2514.4	2514.4	2490.9	2481.4	2474.3	2462.5	2427.1	2417.7	2408.3	2422.4
5°	2549.8	2523.8	2505.0	2462.5	2427.1	2412.9	2368.1	2283.2	2226.6	2184.2	2160.6
7.5°	2554.5	2521.5	2486.1	2420.1	2335.1	2297.4	2160.6	2004.9	1962.4	1924.8	1901.1
10°	2549.8	2512.0	2462.5	2363.5	2162.9	2096.9	1960.1	1858.7	1832.7	1825.7	1832.7
12.5°	2533.3	2497.9	2429.4	2264.4	1983.7	1938.9	1858.7	1799.7	1795.0	1806.8	1870.5
15°	2505.0	2471.9	2391.8	2132.3	1884.6	1851.6	1795.0	1773.7	1799.7	1882.3	2073.3
17.5°	2476.7	2438.9	2339.8	2002.6	1809.2	1785.6	1745.4	1787.9	1934.1	2045.0	2108.7
20°	2438.9	2394.1	2280.9	1908.2	1754.9	1733.6	1714.8	1905.8	2016.7	2056.8	2092.2
22.5°	2394.1	2347.0	2200.7	1842.2	1698.3	1681.8	1693.6	1971.9	2016.7	2045.0	2075.7
25°	2335.1	2295.0	2106.3	1790.2	1653.5	1634.6	1679.4	1964.8	1990.7	1997.9	2059.2
27.5°	2280.9	2229.0	2007.2	1743.1	1599.2	1592.2	1691.2	1934.1	1953.1	1960.1	2026.2
30°	2214.9	2137.0	1896.4	1693.6	1542.6	1540.2	1693.6	1896.4	1891.7	1910.6	1976.6
32.5°	2146.5	2000.2	1771.4	1632.2	1488.4	1486.0	1677.1	1839.8	1835.0	1861.0	1910.6
35°	2082.8	1894.1	1601.5	1561.5	1420.0	1422.3	1637.0	1773.7	1776.1	1799.7	1830.4
37.5°	2016.7	1802.0	1415.2	1483.6	1353.9	1353.9	1582.7	1712.4	1707.8	1714.8	1757.2
40°	1938.9	1658.2	1250.1	1382.2	1292.6	1285.5	1516.7	1646.3	1629.8	1627.5	1686.5
42.5°	1856.3	1500.1	1127.5	1247.8	1221.8	1212.4	1436.5	1566.2	1535.5	1542.6	1618.1
45°	1766.7	1457.6	1033.1	1054.4	1148.7	1141.7	1349.2	1474.2	1453.0	1471.8	1549.7
47.5°	1677.1	1372.8	1002.5	875.1	1070.9	1068.5	1252.5	1384.5	1372.8	1391.7	1474.2
50°	1554.4	1278.4	1000.1	750.1	983.6	993.0	1136.9	1297.3	1297.3	1313.8	1401.1
52.5°	1396.3	1162.8	908.2	679.3	882.2	910.5	1035.4	1221.8	1226.5	1243.1	1320.9
55°	1252.5	1042.6	842.1	625.1	761.9	823.2	936.4	1144.0	1153.4	1170.0	1240.7
57.5°	1120.4	868.0	827.9	561.4	651.0	710.0	849.1	1068.5	1073.2	1087.4	1155.8
60°	978.8	627.4	759.5	493.0	554.3	599.1	768.9	978.8	995.4	1004.8	1063.8
62.5°	818.4	455.2	688.7	445.8	507.1	516.6	702.9	894.0	915.2	922.3	957.6
65°	582.6	382.1	584.9	405.7	457.6	460.0	632.2	806.7	825.6	837.4	863.3
67.5°	393.9	311.3	445.8	367.9	419.9	422.2	563.8	705.3	731.2	740.6	757.1
70°	273.6	207.5	330.2	327.9	377.4	382.1	490.6	613.2	636.9	643.9	653.4
72.5°	200.5	167.5	273.6	294.8	332.6	337.3	415.2	509.5	533.1	540.1	544.9
75°	153.4	176.9	221.7	257.1	283.0	285.4	339.6	415.2	431.7	436.4	438.7
77.5°	122.6	165.1	162.7	207.5	231.2	226.5	266.5	320.8	334.9	334.9	334.9
80°	92.0	129.7	122.6	148.6	169.9	165.1	191.0	228.8	233.5	238.2	235.8
82.5°	68.4	82.6	82.6	94.3	113.2	108.5	127.4	148.6	148.6	148.6	153.4
85°	42.5	47.1	37.8	49.5	63.6	61.3	70.8	80.2	82.6	82.6	77.8
87.5°	26.0	21.2	11.8	18.8	28.3	28.3	33.0	35.3	33.0	33.0	33.0
90°	9.6	6.6	3.7	6.6	9.6	10.3	16.2	24.0	27.9	24.8	18.7
92.5°	64.8	39.7	14.7	39.7	64.8	71.1	99.9	138.3	157.5	138.0	99.1
95°	126.9	81.1	35.3	81.1	126.9	138.4	245.6	388.7	460.3	410.8	311.7
97.5°	141.8	101.4	61.1	101.4	141.8	151.9	330.9	569.5	688.8	657.5	594.8
100°	154.2	117.6	81.0	117.6	154.2	163.3	362.0	626.7	759.1	761.4	766.0
102.5°	166.2	132.1	97.9	132.1	166.2	174.8	376.2	644.7	779.0	818.9	898.7
105°	184.5	155.5	126.6	155.5	184.5	191.7	386.8	646.8	776.8	866.2	1045.2
107.5°	209.9	183.0	156.0	183.0	209.9	216.7	388.6	618.0	732.6	857.4	1106.9
110°	224.7	200.2	175.8	200.2	224.7	230.7	385.8	592.4	695.8	835.3	1114.3



TEST NUMBER: P934445

CATALOG NUMBER: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	241.8	218.6	195.4	218.6	241.8	247.6	385.9	570.2	662.3	805.1	1090.6
115°	267.7	246.3	224.9	246.3	267.7	273.1	389.5	544.7	622.2	759.8	1034.8
117.5°	292.8	273.3	253.9	273.3	292.8	297.7	396.7	528.6	594.6	718.7	967.0
120°	307.5	289.1	270.8	289.1	307.5	312.1	402.6	523.3	583.6	697.0	923.8
122.5°	324.3	305.8	287.3	305.8	324.3	328.9	411.0	520.4	575.1	677.2	881.6
125°	346.4	329.6	312.8	329.6	346.4	350.6	422.4	518.1	565.9	652.7	826.2
127.5°	367.3	350.4	333.4	350.4	367.3	371.6	433.8	516.7	558.2	632.7	781.7
130°	381.1	362.7	344.4	362.7	381.1	385.6	442.1	517.5	555.2	621.5	754.2
132.5°	392.5	374.1	355.8	374.1	392.5	397.0	448.9	518.1	552.7	612.1	730.8
135°	406.1	389.5	372.8	389.5	406.1	410.2	456.2	517.5	548.2	598.0	697.4
137.5°	423.1	406.6	390.1	406.6	423.1	427.2	467.3	520.8	547.5	589.6	673.7
140°	434.8	419.6	404.4	419.6	434.8	438.6	474.1	521.3	544.9	581.3	653.8
142.5°	443.5	429.4	415.4	429.4	443.5	447.0	479.7	523.2	544.9	576.8	640.6
145°	456.9	444.6	432.4	444.6	456.9	460.0	487.1	523.3	541.3	567.3	619.6
147.5°	473.2	461.2	449.3	461.2	473.2	476.1	497.8	526.8	541.3	561.8	602.8
150°	481.9	471.1	460.3	471.1	481.9	484.6	503.5	528.7	541.3	558.6	593.3
152.5°	488.1	480.0	471.7	480.0	488.1	490.1	507.2	529.9	541.3	556.1	585.6
155°	500.8	494.7	488.6	494.7	500.8	502.3	515.3	532.6	541.3	553.1	576.5
157.5°	512.9	507.0	501.1	507.0	512.9	514.4	523.3	535.3	541.3	550.4	568.7
160°	518.8	514.2	509.6	514.2	518.8	520.0	527.1	536.6	541.3	549.1	564.8
162.5°	524.9	521.6	518.1	521.6	524.9	525.8	531.0	537.9	541.3	547.9	561.2
165°	533.4	530.4	527.3	530.4	533.4	534.2	536.6	539.7	541.3	546.0	555.5
167.5°	538.7	537.2	535.8	537.2	538.7	539.1	541.0	543.6	544.9	548.1	554.3
170°	544.2	542.7	541.3	542.7	544.2	544.6	544.7	544.9	544.9	548.1	554.3
172.5°	544.9	544.6	544.2	544.6	544.9	544.9	544.9	544.9	544.9	547.4	552.4
175°	548.2	548.2	548.2	548.2	548.2	548.2	547.2	545.7	544.9	546.5	549.6
177.5°	548.2	548.2	548.2	548.2	548.2	548.2	547.4	546.2	545.7	546.9	549.3
180°	548.2	548.2	548.2	548.2	548.2	548.2	548.2	548.2	548.2	548.2	548.2



TEST NUMBER: P934445

CATALOG NUMBER: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2	2493.2
2.5°	2405.9	2398.8	2408.3	2382.3	2408.3	2398.8	2405.9	2422.4	2408.3	2417.7	2427.1
5°	2111.0	2099.3	2061.5	2030.9	2061.5	2099.3	2111.0	2160.6	2184.2	2226.6	2283.2
7.5°	1887.0	1877.5	1868.1	1849.2	1868.1	1877.5	1887.0	1901.1	1924.8	1962.4	2004.9
10°	1837.5	1839.8	1854.0	1851.6	1854.0	1839.8	1837.5	1832.7	1825.7	1832.7	1858.7
12.5°	1964.8	1986.1	2063.9	2059.2	2063.9	1986.1	1964.8	1870.5	1806.8	1795.0	1799.7
15°	2111.0	2118.1	2134.6	2137.0	2134.6	2118.1	2111.0	2073.3	1882.3	1799.7	1773.7
17.5°	2125.2	2127.6	2139.3	2139.3	2139.3	2127.6	2125.2	2108.7	2045.0	1934.1	1787.9
20°	2113.5	2118.1	2141.8	2146.5	2141.8	2118.1	2113.5	2092.2	2056.8	2016.7	1905.8
22.5°	2108.7	2118.1	2137.0	2134.6	2137.0	2118.1	2108.7	2075.7	2045.0	2016.7	1971.9
25°	2085.1	2085.1	2087.5	2089.8	2087.5	2085.1	2085.1	2059.2	1997.9	1990.7	1964.8
27.5°	2035.6	2040.3	2054.5	2052.1	2054.5	2040.3	2035.6	2026.2	1960.1	1953.1	1934.1
30°	1990.7	1986.1	1974.2	1964.8	1974.2	1986.1	1990.7	1976.6	1910.6	1891.7	1896.4
32.5°	1915.3	1903.5	1891.7	1884.6	1891.7	1903.5	1915.3	1910.6	1861.0	1835.0	1839.8
35°	1825.7	1828.0	1825.7	1818.5	1825.7	1828.0	1825.7	1830.4	1799.7	1776.1	1773.7
37.5°	1761.9	1766.7	1764.4	1754.9	1764.4	1766.7	1761.9	1757.2	1714.8	1707.8	1712.4
40°	1695.9	1698.3	1695.9	1688.8	1695.9	1698.3	1695.9	1686.5	1627.5	1629.8	1646.3
42.5°	1632.2	1629.8	1622.8	1618.1	1622.8	1629.8	1632.2	1618.1	1542.6	1535.5	1566.2
45°	1559.1	1561.5	1547.4	1540.2	1547.4	1561.5	1559.1	1549.7	1471.8	1453.0	1474.2
47.5°	1486.0	1486.0	1474.2	1467.1	1474.2	1486.0	1486.0	1474.2	1391.7	1372.8	1384.5
50°	1408.2	1405.8	1389.3	1387.0	1389.3	1405.8	1408.2	1401.1	1313.8	1297.3	1297.3
52.5°	1318.5	1318.5	1320.9	1325.6	1320.9	1318.5	1318.5	1320.9	1243.1	1226.5	1221.8
55°	1240.7	1243.1	1259.6	1264.3	1259.6	1243.1	1240.7	1240.7	1170.0	1153.4	1144.0
57.5°	1160.5	1160.5	1172.3	1172.3	1172.3	1160.5	1160.5	1155.8	1087.4	1073.2	1068.5
60°	1068.5	1073.2	1082.7	1080.3	1082.7	1073.2	1068.5	1063.8	1004.8	995.4	978.8
62.5°	971.8	976.5	978.8	974.1	978.8	976.5	971.8	957.6	922.3	915.2	894.0
65°	870.4	875.1	877.4	872.7	877.4	875.1	870.4	863.3	837.4	825.6	806.7
67.5°	766.6	764.3	761.9	771.3	761.9	764.3	766.6	757.1	740.6	731.2	705.3
70°	660.4	660.4	658.0	662.8	658.0	660.4	660.4	653.4	643.9	636.9	613.2
72.5°	547.3	544.9	554.3	547.3	554.3	544.9	547.3	544.9	540.1	533.1	509.5
75°	436.4	441.0	436.4	443.5	436.4	441.0	436.4	438.7	436.4	431.7	415.2
77.5°	332.6	337.3	332.6	332.6	332.6	337.3	332.6	334.9	334.9	334.9	320.8
80°	235.8	233.5	233.5	231.2	233.5	233.5	235.8	235.8	238.2	233.5	228.8
82.5°	150.9	148.6	148.6	153.4	148.6	148.6	150.9	153.4	148.6	148.6	148.6
85°	82.6	84.9	80.2	80.2	80.2	84.9	82.6	77.8	82.6	82.6	80.2
87.5°	30.7	28.3	28.3	28.3	28.3	28.3	30.7	33.0	33.0	33.0	35.3
90°	14.0	14.0	14.0	14.0	14.0	14.0	14.0	18.7	24.8	27.9	24.0
92.5°	69.9	67.1	56.0	44.9	56.0	67.1	69.9	99.1	138.0	157.5	138.3
95°	237.3	229.0	195.2	161.6	195.2	229.0	237.3	311.7	410.8	460.3	388.7
97.5°	547.9	531.8	467.7	403.6	467.7	531.8	547.9	594.8	657.5	688.8	569.5
100°	769.3	750.2	673.9	597.5	673.9	750.2	769.3	766.0	761.4	759.1	626.7
102.5°	958.5	942.2	876.7	811.3	876.7	942.2	958.5	898.7	818.9	779.0	644.7
105°	1179.3	1170.5	1135.3	1100.2	1135.3	1170.5	1179.3	1045.2	866.2	776.8	646.8
107.5°	1294.1	1296.3	1304.7	1313.2	1304.7	1296.3	1294.1	1106.9	857.4	732.6	618.0
110°	1323.5	1332.7	1369.3	1406.0	1369.3	1332.7	1323.5	1114.3	835.3	695.8	592.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1304.7	1318.8	1375.1	1431.3	1375.1	1318.8	1304.7	1090.6	805.1	662.3	570.2
115°	1241.1	1260.6	1338.6	1416.6	1338.6	1260.6	1241.1	1034.8	759.8	622.2	544.7
117.5°	1153.2	1174.8	1261.4	1347.9	1261.4	1174.8	1153.2	967.0	718.7	594.6	528.6
120°	1093.9	1114.9	1199.0	1283.1	1199.0	1114.9	1093.9	923.8	697.0	583.6	523.3
122.5°	1034.7	1055.4	1138.4	1221.3	1138.4	1055.4	1034.7	881.6	677.2	575.1	520.4
125°	956.4	975.5	1051.8	1128.2	1051.8	975.5	956.4	826.2	652.7	565.9	518.1
127.5°	893.4	909.5	973.9	1038.4	973.9	909.5	893.4	781.7	632.7	558.2	516.7
130°	853.6	868.5	928.1	987.6	928.1	868.5	853.6	754.2	621.5	555.2	517.5
132.5°	819.8	833.1	886.5	939.8	886.5	833.1	819.8	730.8	612.1	552.7	518.1
135°	771.9	783.5	829.4	875.4	829.4	783.5	771.9	697.4	598.0	548.2	517.5
137.5°	736.7	746.1	783.7	821.3	783.7	746.1	736.7	673.7	589.6	547.5	520.8
140°	708.3	717.0	752.2	787.4	752.2	717.0	708.3	653.8	581.3	544.9	521.3
142.5°	688.5	696.1	726.2	756.5	726.2	696.1	688.5	640.6	576.8	544.9	523.2
145°	658.7	664.4	687.3	710.2	687.3	664.4	658.7	619.6	567.3	541.3	523.3
147.5°	633.6	638.3	657.3	676.3	657.3	638.3	633.6	602.8	561.8	541.3	526.8
150°	619.3	623.1	638.5	653.8	638.5	623.1	619.3	593.3	558.6	541.3	528.7
152.5°	607.9	610.8	622.4	634.0	622.4	610.8	607.9	585.6	556.1	541.3	529.9
155°	594.2	596.2	603.9	611.5	603.9	596.2	594.2	576.5	553.1	541.3	532.6
157.5°	582.4	583.8	589.2	594.6	589.2	583.8	582.4	568.7	550.4	541.3	535.3
160°	576.5	577.3	580.5	583.6	580.5	577.3	576.5	564.8	549.1	541.3	536.6
162.5°	571.1	571.8	574.8	577.7	574.8	571.8	571.1	561.2	547.9	541.3	537.9
165°	562.6	563.4	566.5	569.6	566.5	563.4	562.6	555.5	546.0	541.3	539.7
167.5°	559.0	559.3	560.6	561.9	560.6	559.3	559.0	554.3	548.1	544.9	543.6
170°	559.0	559.0	559.0	559.0	559.0	559.0	559.0	554.3	548.1	544.9	544.9
172.5°	556.0	555.7	554.6	553.4	554.6	555.7	556.0	552.4	547.4	544.9	544.9
175°	551.9	551.9	551.9	551.9	551.9	551.9	551.9	549.6	546.5	544.9	545.7
177.5°	551.2	550.8	549.6	548.2	549.6	550.8	551.2	549.3	546.9	545.7	546.2
180°	548.2	548.2	548.2	548.2	548.2	548.2	548.2	548.2	548.2	548.2	548.2



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2493.2	2493.2	2493.2	2493.2	2493.2
2.5°	2462.5	2474.3	2481.4	2490.9	2514.4
5°	2368.1	2412.9	2427.1	2462.5	2505.0
7.5°	2160.6	2297.4	2335.1	2420.1	2486.1
10°	1960.1	2096.9	2162.9	2363.5	2462.5
12.5°	1858.7	1938.9	1983.7	2264.4	2429.4
15°	1795.0	1851.6	1884.6	2132.3	2391.8
17.5°	1745.4	1785.6	1809.2	2002.6	2339.8
20°	1714.8	1733.6	1754.9	1908.2	2280.9
22.5°	1693.6	1681.8	1698.3	1842.2	2200.7
25°	1679.4	1634.6	1653.5	1790.2	2106.3
27.5°	1691.2	1592.2	1599.2	1743.1	2007.2
30°	1693.6	1540.2	1542.6	1693.6	1896.4
32.5°	1677.1	1486.0	1488.4	1632.2	1771.4
35°	1637.0	1422.3	1420.0	1561.5	1601.5
37.5°	1582.7	1353.9	1353.9	1483.6	1415.2
40°	1516.7	1285.5	1292.6	1382.2	1250.1
42.5°	1436.5	1212.4	1221.8	1247.8	1127.5
45°	1349.2	1141.7	1148.7	1054.4	1033.1
47.5°	1252.5	1068.5	1070.9	875.1	1002.5
50°	1136.9	993.0	983.6	750.1	1000.1
52.5°	1035.4	910.5	882.2	679.3	908.2
55°	936.4	823.2	761.9	625.1	842.1
57.5°	849.1	710.0	651.0	561.4	827.9
60°	768.9	599.1	554.3	493.0	759.5
62.5°	702.9	516.6	507.1	445.8	688.7
65°	632.2	460.0	457.6	405.7	584.9
67.5°	563.8	422.2	419.9	367.9	445.8
70°	490.6	382.1	377.4	327.9	330.2
72.5°	415.2	337.3	332.6	294.8	273.6
75°	339.6	285.4	283.0	257.1	221.7
77.5°	266.5	226.5	231.2	207.5	162.7
80°	191.0	165.1	169.9	148.6	122.6
82.5°	127.4	108.5	113.2	94.3	82.6
85°	70.8	61.3	63.6	49.5	37.8
87.5°	33.0	28.3	28.3	18.8	11.8
90°	16.2	10.3	9.6	6.6	3.7
92.5°	99.9	71.1	64.8	39.7	14.7
95°	245.6	138.4	126.9	81.1	35.3
97.5°	330.9	151.9	141.8	101.4	61.1
100°	362.0	163.3	154.2	117.6	81.0
102.5°	376.2	174.8	166.2	132.1	97.9
105°	386.8	191.7	184.5	155.5	126.6
107.5°	388.6	216.7	209.9	183.0	156.0
110°	385.8	230.7	224.7	200.2	175.8



TEST NUMBER: P934445

CATALOG NUMBER: SQ4-FA-050U-100D-92765-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	385.9	247.6	241.8	218.6	195.4
115°	389.5	273.1	267.7	246.3	224.9
117.5°	396.7	297.7	292.8	273.3	253.9
120°	402.6	312.1	307.5	289.1	270.8
122.5°	411.0	328.9	324.3	305.8	287.3
125°	422.4	350.6	346.4	329.6	312.8
127.5°	433.8	371.6	367.3	350.4	333.4
130°	442.1	385.6	381.1	362.7	344.4
132.5°	448.9	397.0	392.5	374.1	355.8
135°	456.2	410.2	406.1	389.5	372.8
137.5°	467.3	427.2	423.1	406.6	390.1
140°	474.1	438.6	434.8	419.6	404.4
142.5°	479.7	447.0	443.5	429.4	415.4
145°	487.1	460.0	456.9	444.6	432.4
147.5°	497.8	476.1	473.2	461.2	449.3
150°	503.5	484.6	481.9	471.1	460.3
152.5°	507.2	490.1	488.1	480.0	471.7
155°	515.3	502.3	500.8	494.7	488.6
157.5°	523.3	514.4	512.9	507.0	501.1
160°	527.1	520.0	518.8	514.2	509.6
162.5°	531.0	525.8	524.9	521.6	518.1
165°	536.6	534.2	533.4	530.4	527.3
167.5°	541.0	539.1	538.7	537.2	535.8
170°	544.7	544.6	544.2	542.7	541.3
172.5°	544.9	544.9	544.9	544.6	544.2
175°	547.2	548.2	548.2	548.2	548.2
177.5°	547.4	548.2	548.2	548.2	548.2
180°	548.2	548.2	548.2	548.2	548.2



TEST NUMBER: P934445
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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	14.56	15.56	15.38	16.41	17.46	17.39	18.40	18.21	19.25	20.29
	3H	15.04	15.95	15.88	16.80	17.88	18.75	19.66	19.59	20.51	21.59
	4H	15.24	16.10	16.09	16.96	18.04	19.21	20.06	20.06	20.92	22.01
	6H	15.37	16.16	16.23	17.02	18.12	19.50	20.29	20.36	21.16	22.26
	8H	15.37	16.12	16.25	17.01	18.11	19.58	20.33	20.45	21.22	22.32
	12H	15.35	16.07	16.23	16.95	18.07	19.62	20.34	20.50	21.22	22.35
4H	2H	15.61	16.46	16.46	17.32	18.41	17.82	18.68	18.68	19.54	20.62
	3H	16.65	17.36	17.52	18.25	19.36	19.34	20.05	20.21	20.95	22.05
	4H	16.93	17.58	17.81	18.47	19.60	19.88	20.53	20.76	21.42	22.55
	6H	17.06	17.63	17.96	18.54	19.67	20.25	20.81	21.15	21.73	22.86
	8H	17.07	17.60	17.97	18.51	19.65	20.37	20.89	21.26	21.80	22.94
	12H	17.05	17.52	17.97	18.45	19.60	20.43	20.90	21.35	21.83	22.98
8H	4H	17.40	17.92	18.30	18.83	19.97	20.01	20.54	20.91	21.45	22.59
	6H	17.67	18.10	18.59	19.05	20.19	20.46	20.89	21.38	21.84	22.99
	8H	17.71	18.09	18.64	19.04	20.20	20.61	21.00	21.55	21.94	23.10
	12H	17.70	18.04	18.64	18.97	20.18	20.72	21.06	21.66	21.99	23.20
12H	4H	17.41	17.88	18.33	18.81	19.96	19.99	20.46	20.90	21.39	22.53
	6H	17.73	18.11	18.66	19.05	20.22	20.46	20.84	21.39	21.78	22.94
	8H	17.80	18.14	18.74	19.07	20.29	20.63	20.96	21.56	21.90	23.11