

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: P934546

Luminaire Tested: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-8-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934546
REPORT IS A COMBINATION OF REPORTS P933704 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-8-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

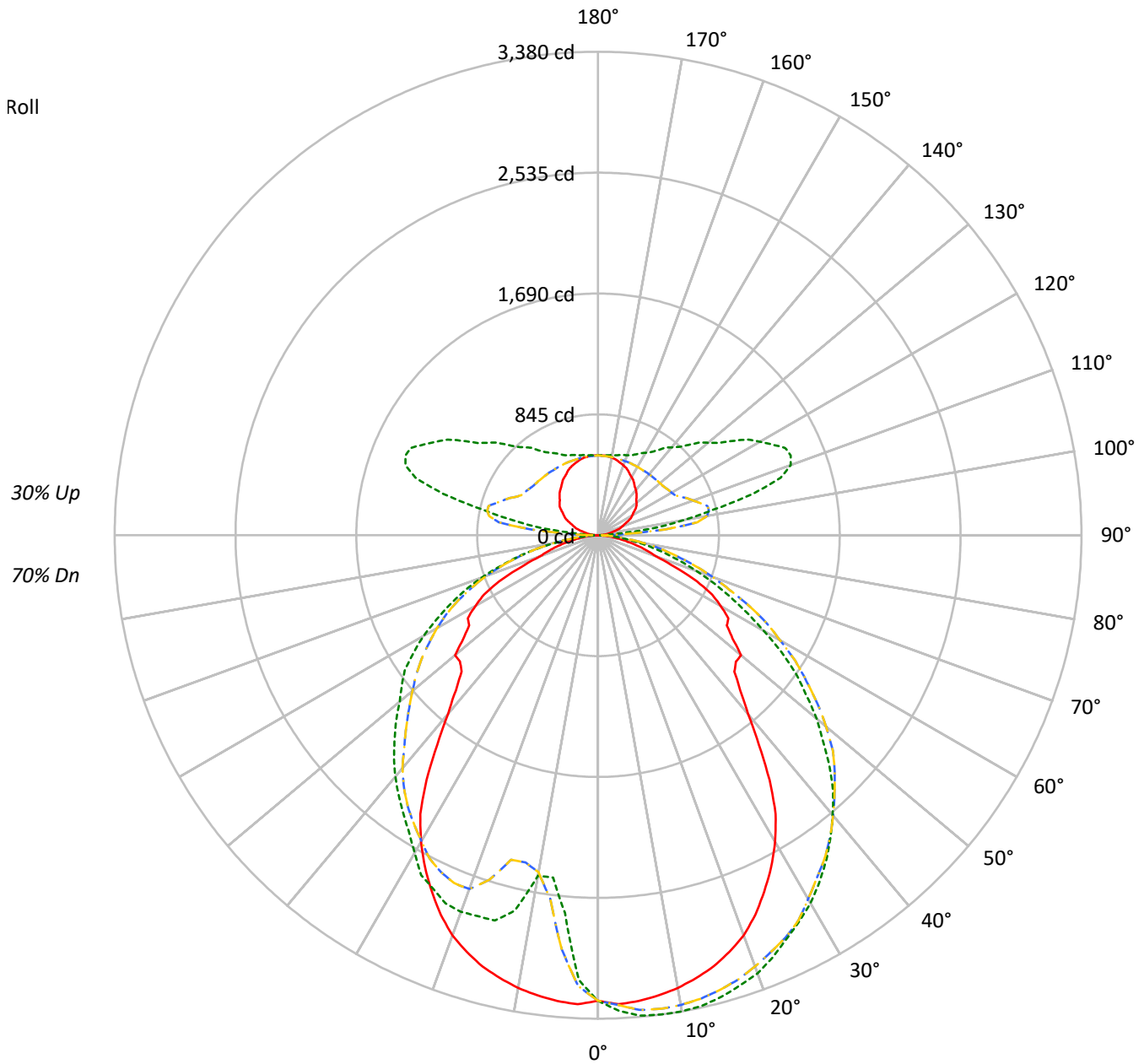
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12060.9 lumens
Efficiency: N/A
Efficacy: 107.7 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): 112
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

TEST NUMBER: P934546
CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-8-4000K

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	0
RCR																					
0	112	112	112	112	106	106	106	106	94	94	94	84	84	84	74	74	74	74	74	74	70
1	102	98	94	90	97	93	89	86	83	80	78	74	72	70	66	65	63	63	63	63	59
2	93	86	79	74	88	81	76	71	73	68	65	65	62	59	58	56	53	53	53	53	50
3	85	75	68	62	80	71	65	59	64	59	54	58	53	50	52	48	45	45	45	45	42
4	78	67	58	52	73	63	56	50	57	51	46	51	47	43	46	42	39	39	39	39	36
5	72	60	51	45	67	57	49	43	51	45	40	46	41	37	41	37	34	34	34	34	31
6	66	53	45	39	62	51	43	38	46	40	35	42	36	32	38	33	30	30	30	30	27
7	61	48	40	34	58	46	39	33	42	36	31	38	33	29	34	30	27	27	27	27	24
8	57	44	36	30	54	42	35	29	38	32	28	35	29	26	31	27	24	24	24	24	22
9	53	40	32	27	50	38	31	26	35	29	25	32	27	23	29	25	21	21	21	21	19
10	49	37	30	25	47	35	28	24	32	26	22	30	25	21	27	23	19	19	19	19	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15097	15097	15097	15097
5°	15210	15240	15210	11983
10°	15108	15012	15108	10733
15°	14944	14686	14944	12264
20°	14632	14301	14632	12289
25°	13992	13739	13992	12029
30°	13165	13273	13165	11457
35°	11737	12683	11737	10829
40°	9779	11988	9779	10354
45°	8738	11175	8738	9808
50°	9283	10205	9283	9260
55°	8734	9160	8734	8943
60°	9003	7780	9003	8191
65°	8163	6431	8163	7188
70°	5653	5125	5653	6026
75°	4957	3788	4957	4536
80°	3994	2505	3994	2727
85°	2292	1327	2292	1128

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13392 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.7	2.4
10°-20°	834.0	6.9
20°-30°	1289.2	10.7
30°-40°	1539.0	12.8
40°-50°	1548.0	12.8
50°-60°	1346.9	11.2
60°-70°	955.0	7.9
70°-80°	505.3	4.2
80°-90°	128.0	1.1
90°-100°	272.3	2.3
100°-110°	716.0	5.9
110°-120°	742.4	6.2
120°-130°	595.5	4.9
130°-140°	467.3	3.9
140°-150°	358.6	3.0
150°-160°	258.3	2.1
160°-170°	158.0	1.3
170°-180°	53.4	0.4
0°-30°	2416.9	20.0
0°-40°	3955.8	32.8
0°-60°	6850.8	56.8
0°-90°	8439.0	70.0
90°-120°	1730.7	14.4
90°-150°	3152.2	26.1
90°-180°	3622.0	30.0
0°-180°	12060.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3254	3254	3254	3254	3254	
5°	3269	3371	3269	2651	3269	310
15°	3122	3340	3122	2789	3122	878
25°	2749	3115	2749	2728	2749	1262
35°	2090	2780	2090	2374	2090	1293
45°	1348	2290	1348	2010	1348	1080
55°	1099	1690	1099	1650	1099	1010
65°	764	1019	764	1139	764	730
75°	289	483	289	579	289	304
85°	49	123	49	105	49	66
90°	4	14	4	14	4	5
95°	36	165	36	165	36	40
105°	129	1121	129	1121	129	137
115°	229	1444	229	1444	229	226
125°	319	1150	319	1150	319	283
135°	380	892	380	892	380	294
145°	441	724	441	724	441	276
155°	498	623	498	623	498	229
165°	537	580	537	580	537	152
175°	559	562	559	562	559	53
180°	559	559	559	559	559	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0
2.5°	3281.6	3281.6	3300.1	3306.3	3306.3	3297.1	3287.8	3297.1	3324.7	3334.0	3330.9
5°	3269.3	3294.0	3327.8	3334.0	3340.1	3337.1	3330.9	3337.1	3367.8	3374.0	3377.1
7.5°	3244.7	3290.9	3334.0	3343.2	3352.5	3343.2	3340.1	3346.3	3377.1	3383.2	3383.2
10°	3213.9	3278.6	3327.8	3334.0	3343.2	3334.0	3334.0	3346.3	3377.1	3383.2	3386.3
12.5°	3170.8	3260.0	3306.3	3312.4	3324.7	3321.6	3318.6	3330.9	3361.7	3367.8	3367.8
15°	3121.6	3226.2	3269.3	3275.5	3297.1	3290.9	3290.9	3303.2	3337.1	3346.3	3343.2
17.5°	3053.8	3183.1	3232.4	3241.6	3257.0	3254.0	3257.0	3269.3	3300.1	3306.3	3309.4
20°	2976.9	3124.6	3183.1	3192.4	3207.7	3207.7	3207.7	3223.1	3254.0	3266.2	3266.2
22.5°	2872.2	3063.1	3124.6	3130.8	3149.3	3149.3	3155.4	3177.0	3204.7	3207.7	3207.7
25°	2749.1	2995.3	3047.6	3066.1	3084.6	3093.9	3103.1	3115.4	3124.6	3121.6	3124.6
27.5°	2619.8	2909.1	2976.9	2989.2	3013.8	3023.1	3035.4	3038.5	3041.6	3050.7	3044.6
30°	2475.1	2789.1	2890.6	2903.0	2943.0	2949.1	2936.9	2943.0	2958.4	2964.6	2970.7
32.5°	2311.9	2610.6	2801.4	2829.2	2866.1	2847.6	2844.5	2853.7	2878.4	2878.4	2884.5
35°	2090.3	2472.0	2718.3	2742.9	2770.6	2749.1	2761.4	2764.5	2779.9	2789.1	2786.0
37.5°	1847.1	2352.0	2632.1	2650.6	2672.1	2644.4	2662.9	2672.1	2684.4	2678.2	2678.2
40°	1631.6	2164.1	2530.5	2542.8	2561.3	2539.7	2558.2	2564.4	2570.5	2564.4	2561.3
42.5°	1471.5	1957.9	2422.7	2438.1	2425.8	2441.2	2447.4	2459.7	2450.5	2438.1	2438.1
45°	1348.4	1902.5	2305.7	2324.2	2305.7	2330.4	2339.7	2339.7	2311.9	2305.7	2302.7
47.5°	1308.3	1791.6	2188.8	2188.8	2179.6	2210.3	2225.7	2204.1	2176.5	2167.2	2167.2
50°	1305.2	1668.5	2028.7	2016.4	2059.5	2096.4	2081.1	2059.5	2038.0	2004.1	2004.1
52.5°	1185.2	1517.6	1822.5	1868.7	1936.3	1957.9	1933.3	1911.7	1874.8	1859.4	1847.1
55°	1099.0	1360.7	1634.7	1727.0	1797.8	1825.6	1779.3	1757.8	1702.4	1693.2	1687.0
57.5°	1080.6	1132.9	1462.2	1579.2	1665.5	1662.4	1634.7	1594.7	1548.5	1539.2	1536.2
60°	991.2	818.9	1277.6	1416.1	1505.4	1496.2	1471.5	1434.6	1391.5	1385.3	1379.2
62.5°	898.9	594.2	1068.2	1225.2	1351.4	1348.4	1326.8	1271.4	1240.7	1225.2	1212.9
65°	763.5	498.8	760.4	1019.0	1200.6	1206.7	1160.6	1120.6	1086.7	1068.2	1065.2
67.5°	581.8	406.3	514.1	849.7	1055.9	1049.7	991.2	972.8	929.7	920.5	902.0
70°	431.0	270.9	357.1	689.6	914.3	898.9	852.7	831.2	791.2	769.6	757.3
72.5°	357.1	218.6	261.7	535.7	769.6	751.2	711.2	686.5	652.7	634.2	621.8
75°	289.4	230.9	200.1	397.1	624.9	612.6	575.7	551.1	523.3	498.8	501.8
77.5°	212.4	215.5	160.1	292.4	495.7	477.2	455.6	424.8	412.5	387.9	387.9
80°	160.1	169.3	120.1	200.1	357.1	357.1	338.7	317.1	295.5	283.3	283.3
82.5°	107.7	107.7	89.2	126.3	243.2	234.0	221.7	215.5	203.2	197.0	197.0
85°	49.2	61.6	55.4	77.0	132.4	138.5	138.5	132.4	129.3	123.2	126.3
87.5°	15.4	27.7	33.8	43.1	67.8	70.8	73.9	73.9	73.9	77.0	77.0
90°	3.7	6.7	9.7	10.5	16.5	24.5	28.5	25.3	19.0	14.3	14.3
92.5°	15.0	40.5	66.0	72.4	101.8	140.9	160.5	140.6	101.0	71.2	68.4
95°	36.0	82.7	129.4	141.0	250.3	396.1	469.1	418.6	317.6	241.9	233.3
97.5°	62.2	103.3	144.5	154.8	337.2	580.3	702.0	670.0	606.2	558.3	542.0
100°	82.5	119.8	157.1	166.5	368.9	638.7	773.6	775.9	780.6	784.0	764.5
102.5°	99.8	134.6	169.4	178.1	383.3	657.0	793.8	834.5	915.8	976.8	960.1
105°	129.0	158.5	188.0	195.4	394.1	659.1	791.6	882.7	1065.1	1201.8	1192.8
107.5°	159.0	186.5	213.9	220.9	396.1	629.7	746.5	873.7	1128.0	1318.8	1321.0
110°	179.2	204.0	229.0	235.1	393.1	603.7	709.1	851.2	1135.5	1348.7	1358.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	199.1	222.8	246.4	252.3	393.2	581.1	675.0	820.4	1111.4	1329.6	1344.0
115°	229.1	251.0	272.8	278.3	396.9	555.1	634.1	774.3	1054.5	1264.8	1284.6
117.5°	258.7	278.5	298.4	303.4	404.2	538.7	605.9	732.4	985.4	1175.2	1197.2
120°	276.0	294.6	313.4	318.0	410.2	533.2	594.7	710.2	941.4	1114.8	1136.1
122.5°	292.8	311.6	330.5	335.2	418.8	530.3	586.1	690.1	898.4	1054.5	1075.6
125°	318.7	335.8	353.0	357.3	430.4	528.0	576.7	665.1	842.0	974.6	994.1
127.5°	339.7	357.0	374.3	378.7	442.1	526.6	568.8	644.8	796.6	910.5	926.8
130°	350.9	369.6	388.3	393.0	450.5	527.4	565.8	633.4	768.6	869.9	885.1
132.5°	362.6	381.2	400.0	404.6	457.5	528.0	563.2	623.7	744.7	835.4	849.0
135°	379.9	396.9	413.8	418.1	464.9	527.4	558.7	609.4	710.7	786.7	798.4
137.5°	397.5	414.3	431.2	435.4	476.2	530.7	558.0	600.8	686.5	750.7	760.3
140°	412.1	427.6	443.1	447.0	483.1	531.2	555.3	592.4	666.3	721.8	730.7
142.5°	423.3	437.6	452.0	455.5	488.8	533.1	555.3	587.8	652.8	701.6	709.3
145°	440.6	453.1	465.6	468.7	496.4	533.2	551.6	578.2	631.4	671.2	677.0
147.5°	457.8	470.0	482.2	485.2	507.3	536.9	551.6	572.5	614.3	645.7	650.5
150°	469.1	480.1	491.1	493.8	513.1	538.8	551.6	569.3	604.6	631.1	635.0
152.5°	480.7	489.1	497.4	499.5	516.9	540.1	551.6	566.7	596.8	619.5	622.5
155°	497.9	504.1	510.3	511.9	525.1	542.8	551.6	563.6	587.5	605.5	607.5
157.5°	510.7	516.7	522.7	524.2	533.3	545.5	551.6	560.9	579.5	593.5	594.9
160°	519.3	524.0	528.7	529.9	537.1	546.8	551.6	559.6	575.5	587.5	588.4
162.5°	528.0	531.5	535.0	535.9	541.1	548.1	551.6	558.3	571.9	582.0	582.7
165°	537.3	540.5	543.6	544.4	546.8	550.0	551.6	556.4	566.1	573.3	574.2
167.5°	546.0	547.4	549.0	549.3	551.3	554.0	555.3	558.5	564.9	569.6	570.0
170°	551.6	553.1	554.6	555.0	555.1	555.2	555.3	558.5	564.9	569.6	569.6
172.5°	554.6	555.0	555.2	555.3	555.3	555.3	555.3	557.9	562.9	566.6	566.3
175°	558.7	558.7	558.7	558.7	557.6	556.1	555.3	556.9	560.1	562.4	562.4
177.5°	558.7	558.7	558.7	558.7	557.8	556.6	556.1	557.3	559.8	561.7	561.3
180°	558.7	558.7	558.7	558.7	558.7	558.7	558.7	558.7	558.7	558.7	558.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0
2.5°	3337.1	3327.8	3337.1	3330.9	3334.0	3324.7	3297.1	3287.8	3297.1	3306.3	3306.3
5°	3377.1	3370.9	3377.1	3377.1	3374.0	3367.8	3337.1	3330.9	3337.1	3340.1	3334.0
7.5°	3389.4	3380.1	3389.4	3383.2	3383.2	3377.1	3346.3	3340.1	3343.2	3352.5	3343.2
10°	3389.4	3380.1	3389.4	3386.3	3383.2	3377.1	3346.3	3334.0	3334.0	3343.2	3334.0
12.5°	3374.0	3367.8	3374.0	3367.8	3367.8	3361.7	3330.9	3318.6	3321.6	3324.7	3312.4
15°	3349.4	3340.1	3349.4	3343.2	3346.3	3337.1	3303.2	3290.9	3290.9	3297.1	3275.5
17.5°	3312.4	3300.1	3312.4	3309.4	3306.3	3300.1	3269.3	3257.0	3254.0	3257.0	3241.6
20°	3269.3	3260.0	3269.3	3266.2	3266.2	3254.0	3223.1	3207.7	3207.7	3207.7	3192.4
22.5°	3201.6	3192.4	3201.6	3207.7	3207.7	3204.7	3177.0	3155.4	3149.3	3149.3	3130.8
25°	3124.6	3115.4	3124.6	3124.6	3121.6	3124.6	3115.4	3103.1	3093.9	3084.6	3066.1
27.5°	3050.7	3044.6	3050.7	3044.6	3050.7	3041.6	3038.5	3035.4	3023.1	3013.8	2989.2
30°	2976.9	2970.7	2976.9	2970.7	2964.6	2958.4	2943.0	2936.9	2949.1	2943.0	2903.0
32.5°	2884.5	2878.4	2884.5	2884.5	2878.4	2878.4	2853.7	2844.5	2847.6	2866.1	2829.2
35°	2789.1	2779.9	2789.1	2786.0	2789.1	2779.9	2764.5	2761.4	2749.1	2770.6	2742.9
37.5°	2678.2	2669.1	2678.2	2678.2	2678.2	2684.4	2672.1	2662.9	2644.4	2672.1	2650.6
40°	2564.4	2552.1	2564.4	2561.3	2564.4	2570.5	2564.4	2558.2	2539.7	2561.3	2542.8
42.5°	2435.1	2432.0	2435.1	2438.1	2438.1	2450.5	2459.7	2447.4	2441.2	2425.8	2438.1
45°	2296.6	2290.4	2296.6	2302.7	2305.7	2311.9	2339.7	2339.7	2330.4	2305.7	2324.2
47.5°	2148.7	2133.4	2148.7	2167.2	2167.2	2176.5	2204.1	2225.7	2210.3	2179.6	2188.8
50°	1991.7	1994.8	1991.7	2004.1	2004.1	2038.0	2059.5	2081.1	2096.4	2059.5	2016.4
52.5°	1837.8	1834.7	1837.8	1847.1	1859.4	1874.8	1911.7	1933.3	1957.9	1936.3	1868.7
55°	1683.9	1690.1	1683.9	1687.0	1693.2	1702.4	1757.8	1779.3	1825.6	1797.8	1727.0
57.5°	1530.0	1520.7	1530.0	1536.2	1539.2	1548.5	1594.7	1634.7	1662.4	1665.5	1579.2
60°	1351.4	1339.2	1351.4	1379.2	1385.3	1391.5	1434.6	1471.5	1496.2	1505.4	1416.1
62.5°	1194.4	1172.9	1194.4	1212.9	1225.2	1240.7	1271.4	1326.8	1348.4	1351.4	1225.2
65°	1028.2	1019.0	1028.2	1065.2	1068.2	1086.7	1120.6	1160.6	1206.7	1200.6	1019.0
67.5°	877.3	877.3	877.3	902.0	920.5	929.7	972.8	991.2	1049.7	1055.9	849.7
70°	738.8	735.7	738.8	757.3	769.6	791.2	831.2	852.7	898.9	914.3	689.6
72.5°	606.5	603.4	606.5	621.8	634.2	652.7	686.5	711.2	751.2	769.6	535.7
75°	489.5	483.3	489.5	501.8	498.8	523.3	551.1	575.7	612.6	624.9	397.1
77.5°	375.6	375.6	375.6	387.9	387.9	412.5	424.8	455.6	477.2	495.7	292.4
80°	280.2	277.1	280.2	283.3	283.3	295.5	317.1	338.7	357.1	357.1	200.1
82.5°	197.0	190.8	197.0	197.0	197.0	203.2	215.5	221.7	234.0	243.2	126.3
85°	123.2	123.2	123.2	126.3	123.2	129.3	132.4	138.5	138.5	132.4	77.0
87.5°	80.0	77.0	80.0	77.0	77.0	73.9	73.9	73.9	70.8	67.8	43.1
90°	14.3	14.3	14.3	14.3	14.3	19.0	25.3	28.5	24.5	16.5	10.5
92.5°	57.0	45.8	57.0	68.4	71.2	101.0	140.6	160.5	140.9	101.8	72.4
95°	198.9	164.6	198.9	233.3	241.9	317.6	418.6	469.1	396.1	250.3	141.0
97.5°	476.6	411.3	476.6	542.0	558.3	606.2	670.0	702.0	580.3	337.2	154.8
100°	686.8	608.9	686.8	764.5	784.0	780.6	775.9	773.6	638.7	368.9	166.5
102.5°	893.4	826.8	893.4	960.1	976.8	915.8	834.5	793.8	657.0	383.3	178.1
105°	1157.0	1121.1	1157.0	1192.8	1201.8	1065.1	882.7	791.6	659.1	394.1	195.4
107.5°	1329.6	1338.3	1329.6	1321.0	1318.8	1128.0	873.7	746.5	629.7	396.1	220.9
110°	1395.4	1432.8	1395.4	1358.1	1348.7	1135.5	851.2	709.1	603.7	393.1	235.1



TEST NUMBER: P934546

CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1401.3	1458.6	1401.3	1344.0	1329.6	1111.4	820.4	675.0	581.1	393.2	252.3
115°	1364.1	1443.6	1364.1	1284.6	1264.8	1054.5	774.3	634.1	555.1	396.9	278.3
117.5°	1285.4	1373.6	1285.4	1197.2	1175.2	985.4	732.4	605.9	538.7	404.2	303.4
120°	1221.8	1307.5	1221.8	1136.1	1114.8	941.4	710.2	594.7	533.2	410.2	318.0
122.5°	1160.1	1244.6	1160.1	1075.6	1054.5	898.4	690.1	586.1	530.3	418.8	335.2
125°	1071.8	1149.7	1071.8	994.1	974.6	842.0	665.1	576.7	528.0	430.4	357.3
127.5°	992.5	1058.2	992.5	926.8	910.5	796.6	644.8	568.8	526.6	442.1	378.7
130°	945.7	1006.4	945.7	885.1	869.9	768.6	633.4	565.8	527.4	450.5	393.0
132.5°	903.4	957.7	903.4	849.0	835.4	744.7	623.7	563.2	528.0	457.5	404.6
135°	845.2	892.1	845.2	798.4	786.7	710.7	609.4	558.7	527.4	464.9	418.1
137.5°	798.7	837.0	798.7	760.3	750.7	686.5	600.8	558.0	530.7	476.2	435.4
140°	766.6	802.4	766.6	730.7	721.8	666.3	592.4	555.3	531.2	483.1	447.0
142.5°	740.1	770.9	740.1	709.3	701.6	652.8	587.8	555.3	533.1	488.8	455.5
145°	700.4	723.7	700.4	677.0	671.2	631.4	578.2	551.6	533.2	496.4	468.7
147.5°	669.9	689.2	669.9	650.5	645.7	614.3	572.5	551.6	536.9	507.3	485.2
150°	650.7	666.3	650.7	635.0	631.1	604.6	569.3	551.6	538.8	513.1	493.8
152.5°	634.3	646.1	634.3	622.5	619.5	596.8	566.7	551.6	540.1	516.9	499.5
155°	615.4	623.2	615.4	607.5	605.5	587.5	563.6	551.6	542.8	525.1	511.9
157.5°	600.5	605.9	600.5	594.9	593.5	579.5	560.9	551.6	545.5	533.3	524.2
160°	591.5	594.7	591.5	588.4	587.5	575.5	559.6	551.6	546.8	537.1	529.9
162.5°	585.7	588.7	585.7	582.7	582.0	571.9	558.3	551.6	548.1	541.1	535.9
165°	577.3	580.4	577.3	574.2	573.3	566.1	556.4	551.6	550.0	546.8	544.4
167.5°	571.3	572.6	571.3	570.0	569.6	564.9	558.5	555.3	554.0	551.3	549.3
170°	569.6	569.6	569.6	569.6	569.6	564.9	558.5	555.3	555.2	555.1	555.0
172.5°	565.2	564.0	565.2	566.3	566.6	562.9	557.9	555.3	555.3	555.3	555.3
175°	562.4	562.4	562.4	562.4	562.4	560.1	556.9	555.3	556.1	557.6	558.7
177.5°	560.1	558.7	560.1	561.3	561.7	559.8	557.3	556.1	556.6	557.8	558.7
180°	558.7	558.7	558.7	558.7	558.7	558.7	558.7	558.7	558.7	558.7	558.7



TEST NUMBER: P934546

CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0
2.5°	3300.1	3281.6	3281.6	3250.9	3238.6	3229.3	3213.9	3167.7	3155.4	3143.1	3161.6
5°	3327.8	3294.0	3269.3	3213.9	3167.7	3149.3	3090.8	2980.0	2906.1	2850.6	2819.9
7.5°	3334.0	3290.9	3244.7	3158.5	3047.6	2998.4	2819.9	2616.7	2561.3	2512.1	2481.2
10°	3327.8	3278.6	3213.9	3084.6	2823.0	2736.7	2558.2	2425.8	2392.0	2382.7	2392.0
12.5°	3306.3	3260.0	3170.8	2955.3	2589.0	2530.5	2425.8	2348.9	2342.7	2358.1	2441.2
15°	3269.3	3226.2	3121.6	2782.9	2459.7	2416.6	2342.7	2315.0	2348.9	2456.7	2706.0
17.5°	3232.4	3183.1	3053.8	2613.7	2361.1	2330.4	2278.1	2333.5	2524.3	2669.1	2752.1
20°	3183.1	3124.6	2976.9	2490.5	2290.4	2262.6	2238.1	2487.4	2632.1	2684.4	2730.6
22.5°	3124.6	3063.1	2872.2	2404.3	2216.5	2195.0	2210.3	2573.6	2632.1	2669.1	2709.1
25°	3047.6	2995.3	2749.1	2336.6	2158.0	2133.4	2191.9	2564.4	2598.2	2607.5	2687.5
27.5°	2976.9	2909.1	2619.8	2275.0	2087.2	2078.0	2207.2	2524.3	2549.0	2558.2	2644.4
30°	2890.6	2789.1	2475.1	2210.3	2013.3	2010.2	2210.3	2475.1	2468.9	2493.6	2579.7
32.5°	2801.4	2610.6	2311.9	2130.3	1942.5	1939.4	2188.8	2401.2	2395.1	2428.9	2493.6
35°	2718.3	2472.0	2090.3	2038.0	1853.2	1856.3	2136.5	2315.0	2318.1	2348.9	2388.9
37.5°	2632.1	2352.0	1847.1	1936.3	1767.1	1767.1	2065.6	2235.0	2228.8	2238.1	2293.5
40°	2530.5	2164.1	1631.6	1804.0	1687.0	1677.7	1979.5	2148.7	2127.2	2124.2	2201.1
42.5°	2422.7	1957.9	1471.5	1628.5	1594.7	1582.3	1874.8	2044.1	2004.1	2013.3	2111.8
45°	2305.7	1902.5	1348.4	1376.1	1499.2	1490.0	1760.9	1924.1	1896.3	1921.0	2022.6
47.5°	2188.8	1791.6	1308.3	1142.1	1397.7	1394.6	1634.7	1807.1	1791.6	1816.3	1924.1
50°	2028.7	1668.5	1305.2	979.0	1283.7	1296.1	1483.8	1693.2	1693.2	1714.7	1828.6
52.5°	1822.5	1517.6	1185.2	886.6	1151.3	1188.3	1351.4	1594.7	1600.8	1622.3	1723.9
55°	1634.7	1360.7	1099.0	815.8	994.3	1074.4	1222.2	1493.1	1505.4	1526.9	1619.2
57.5°	1462.2	1132.9	1080.6	732.7	849.7	926.6	1108.2	1394.6	1400.7	1419.2	1508.5
60°	1277.6	818.9	991.2	643.4	723.4	781.9	1003.6	1277.6	1299.1	1311.4	1388.4
62.5°	1068.2	594.2	898.9	581.8	661.9	674.2	917.4	1166.7	1194.4	1203.7	1249.8
65°	760.4	498.8	763.5	529.5	597.2	600.3	825.0	1052.8	1077.5	1092.8	1126.7
67.5°	514.1	406.3	581.8	480.2	548.0	551.1	735.7	920.5	954.3	966.7	988.2
70°	357.1	270.9	431.0	427.9	492.6	498.8	640.3	800.4	831.2	840.4	852.7
72.5°	261.7	218.6	357.1	384.8	434.1	440.3	541.8	664.9	695.7	705.0	711.2
75°	200.1	230.9	289.4	335.6	369.4	372.5	443.3	541.8	563.3	569.5	572.6
77.5°	160.1	215.5	212.4	270.9	301.7	295.5	347.8	418.7	437.2	437.2	437.2
80°	120.1	169.3	160.1	193.9	221.7	215.5	249.3	298.6	304.7	310.9	307.8
82.5°	89.2	107.7	107.7	123.2	147.7	141.6	166.3	193.9	193.9	193.9	200.1
85°	55.4	61.6	49.2	64.7	83.1	80.0	92.3	104.7	107.7	107.7	101.6
87.5°	33.8	27.7	15.4	24.7	36.9	36.9	43.1	46.2	43.1	43.1	43.1
90°	9.7	6.7	3.7	6.7	9.7	10.5	16.5	24.5	28.5	25.3	19.0
92.5°	66.0	40.5	15.0	40.5	66.0	72.4	101.8	140.9	160.5	140.6	101.0
95°	129.4	82.7	36.0	82.7	129.4	141.0	250.3	396.1	469.1	418.6	317.6
97.5°	144.5	103.3	62.2	103.3	144.5	154.8	337.2	580.3	702.0	670.0	606.2
100°	157.1	119.8	82.5	119.8	157.1	166.5	368.9	638.7	773.6	775.9	780.6
102.5°	169.4	134.6	99.8	134.6	169.4	178.1	383.3	657.0	793.8	834.5	915.8
105°	188.0	158.5	129.0	158.5	188.0	195.4	394.1	659.1	791.6	882.7	1065.1
107.5°	213.9	186.5	159.0	186.5	213.9	220.9	396.1	629.7	746.5	873.7	1128.0
110°	229.0	204.0	179.2	204.0	229.0	235.1	393.1	603.7	709.1	851.2	1135.5



TEST NUMBER: P934546

CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	246.4	222.8	199.1	222.8	246.4	252.3	393.2	581.1	675.0	820.4	1111.4
115°	272.8	251.0	229.1	251.0	272.8	278.3	396.9	555.1	634.1	774.3	1054.5
117.5°	298.4	278.5	258.7	278.5	298.4	303.4	404.2	538.7	605.9	732.4	985.4
120°	313.4	294.6	276.0	294.6	313.4	318.0	410.2	533.2	594.7	710.2	941.4
122.5°	330.5	311.6	292.8	311.6	330.5	335.2	418.8	530.3	586.1	690.1	898.4
125°	353.0	335.8	318.7	335.8	353.0	357.3	430.4	528.0	576.7	665.1	842.0
127.5°	374.3	357.0	339.7	357.0	374.3	378.7	442.1	526.6	568.8	644.8	796.6
130°	388.3	369.6	350.9	369.6	388.3	393.0	450.5	527.4	565.8	633.4	768.6
132.5°	400.0	381.2	362.6	381.2	400.0	404.6	457.5	528.0	563.2	623.7	744.7
135°	413.8	396.9	379.9	396.9	413.8	418.1	464.9	527.4	558.7	609.4	710.7
137.5°	431.2	414.3	397.5	414.3	431.2	435.4	476.2	530.7	558.0	600.8	686.5
140°	443.1	427.6	412.1	427.6	443.1	447.0	483.1	531.2	555.3	592.4	666.3
142.5°	452.0	437.6	423.3	437.6	452.0	455.5	488.8	533.1	555.3	587.8	652.8
145°	465.6	453.1	440.6	453.1	465.6	468.7	496.4	533.2	551.6	578.2	631.4
147.5°	482.2	470.0	457.8	470.0	482.2	485.2	507.3	536.9	551.6	572.5	614.3
150°	491.1	480.1	469.1	480.1	491.1	493.8	513.1	538.8	551.6	569.3	604.6
152.5°	497.4	489.1	480.7	489.1	497.4	499.5	516.9	540.1	551.6	566.7	596.8
155°	510.3	504.1	497.9	504.1	510.3	511.9	525.1	542.8	551.6	563.6	587.5
157.5°	522.7	516.7	510.7	516.7	522.7	524.2	533.3	545.5	551.6	560.9	579.5
160°	528.7	524.0	519.3	524.0	528.7	529.9	537.1	546.8	551.6	559.6	575.5
162.5°	535.0	531.5	528.0	531.5	535.0	535.9	541.1	548.1	551.6	558.3	571.9
165°	543.6	540.5	537.3	540.5	543.6	544.4	546.8	550.0	551.6	556.4	566.1
167.5°	549.0	547.4	546.0	547.4	549.0	549.3	551.3	554.0	555.3	558.5	564.9
170°	554.6	553.1	551.6	553.1	554.6	555.0	555.1	555.2	555.3	558.5	564.9
172.5°	555.2	555.0	554.6	555.0	555.2	555.3	555.3	555.3	555.3	557.9	562.9
175°	558.7	558.7	558.7	558.7	558.7	558.7	557.6	556.1	555.3	556.9	560.1
177.5°	558.7	558.7	558.7	558.7	558.7	558.7	557.8	556.6	556.1	557.3	559.8
180°	558.7	558.7	558.7	558.7	558.7	558.7	558.7	558.7	558.7	558.7	558.7



TEST NUMBER: P934546

CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0
2.5°	3140.1	3130.8	3143.1	3109.2	3143.1	3130.8	3140.1	3161.6	3143.1	3155.4	3167.7
5°	2755.2	2739.8	2690.6	2650.6	2690.6	2739.8	2755.2	2819.9	2850.6	2906.1	2980.0
7.5°	2462.8	2450.5	2438.1	2413.5	2438.1	2450.5	2462.8	2481.2	2512.1	2561.3	2616.7
10°	2398.2	2401.2	2419.6	2416.6	2419.6	2401.2	2398.2	2392.0	2382.7	2392.0	2425.8
12.5°	2564.4	2592.1	2693.6	2687.5	2693.6	2592.1	2564.4	2441.2	2358.1	2342.7	2348.9
15°	2755.2	2764.5	2786.0	2789.1	2786.0	2764.5	2755.2	2706.0	2456.7	2348.9	2315.0
17.5°	2773.7	2776.8	2792.1	2792.1	2792.1	2776.8	2773.7	2752.1	2669.1	2524.3	2333.5
20°	2758.3	2764.5	2795.2	2801.4	2795.2	2764.5	2758.3	2730.6	2684.4	2632.1	2487.4
22.5°	2752.1	2764.5	2789.1	2786.0	2789.1	2764.5	2752.1	2709.1	2669.1	2632.1	2573.6
25°	2721.4	2721.4	2724.5	2727.5	2724.5	2721.4	2721.4	2687.5	2607.5	2598.2	2564.4
27.5°	2656.7	2662.9	2681.3	2678.2	2681.3	2662.9	2656.7	2644.4	2558.2	2549.0	2524.3
30°	2598.2	2592.1	2576.6	2564.4	2576.6	2592.1	2598.2	2579.7	2493.6	2468.9	2475.1
32.5°	2499.7	2484.3	2468.9	2459.7	2468.9	2484.3	2499.7	2493.6	2428.9	2395.1	2401.2
35°	2382.7	2385.8	2382.7	2373.5	2382.7	2385.8	2382.7	2388.9	2348.9	2318.1	2315.0
37.5°	2299.7	2305.7	2302.7	2290.4	2302.7	2305.7	2299.7	2293.5	2238.1	2228.8	2235.0
40°	2213.4	2216.5	2213.4	2204.1	2213.4	2216.5	2213.4	2201.1	2124.2	2127.2	2148.7
42.5°	2130.3	2127.2	2118.0	2111.8	2118.0	2127.2	2130.3	2111.8	2013.3	2004.1	2044.1
45°	2034.9	2038.0	2019.5	2010.2	2019.5	2038.0	2034.9	2022.6	1921.0	1896.3	1924.1
47.5°	1939.4	1939.4	1924.1	1914.8	1924.1	1939.4	1939.4	1924.1	1816.3	1791.6	1807.1
50°	1837.8	1834.7	1813.2	1810.2	1813.2	1834.7	1837.8	1828.6	1714.7	1693.2	1693.2
52.5°	1720.9	1720.9	1723.9	1730.1	1723.9	1720.9	1720.9	1723.9	1622.3	1600.8	1594.7
55°	1619.2	1622.3	1643.9	1650.1	1643.9	1622.3	1619.2	1619.2	1526.9	1505.4	1493.1
57.5°	1514.6	1514.6	1530.0	1530.0	1530.0	1514.6	1514.6	1508.5	1419.2	1400.7	1394.6
60°	1394.6	1400.7	1413.0	1409.9	1413.0	1400.7	1394.6	1388.4	1311.4	1299.1	1277.6
62.5°	1268.3	1274.5	1277.6	1271.4	1277.6	1274.5	1268.3	1249.8	1203.7	1194.4	1166.7
65°	1136.0	1142.1	1145.2	1139.0	1145.2	1142.1	1136.0	1126.7	1092.8	1077.5	1052.8
67.5°	1000.5	997.4	994.3	1006.7	994.3	997.4	1000.5	988.2	966.7	954.3	920.5
70°	862.0	862.0	858.9	865.1	858.9	862.0	862.0	852.7	840.4	831.2	800.4
72.5°	714.2	711.2	723.4	714.2	723.4	711.2	714.2	711.2	705.0	695.7	664.9
75°	569.5	575.7	569.5	578.7	569.5	575.7	569.5	572.6	569.5	563.3	541.8
77.5°	434.1	440.3	434.1	434.1	434.1	440.3	434.1	437.2	437.2	437.2	418.7
80°	307.8	304.7	304.7	301.7	304.7	304.7	307.8	307.8	310.9	304.7	298.6
82.5°	197.0	193.9	193.9	200.1	193.9	193.9	197.0	200.1	193.9	193.9	193.9
85°	107.7	110.8	104.7	104.7	104.7	110.8	107.7	101.6	107.7	107.7	104.7
87.5°	40.0	36.9	36.9	36.9	36.9	36.9	40.0	43.1	43.1	43.1	46.2
90°	14.3	14.3	14.3	14.3	14.3	14.3	14.3	19.0	25.3	28.5	24.5
92.5°	71.2	68.4	57.0	45.8	57.0	68.4	71.2	101.0	140.6	160.5	140.9
95°	241.9	233.3	198.9	164.6	198.9	233.3	241.9	317.6	418.6	469.1	396.1
97.5°	558.3	542.0	476.6	411.3	476.6	542.0	558.3	606.2	670.0	702.0	580.3
100°	784.0	764.5	686.8	608.9	686.8	764.5	784.0	780.6	775.9	773.6	638.7
102.5°	976.8	960.1	893.4	826.8	893.4	960.1	976.8	915.8	834.5	793.8	657.0
105°	1201.8	1192.8	1157.0	1121.1	1157.0	1192.8	1201.8	1065.1	882.7	791.6	659.1
107.5°	1318.8	1321.0	1329.6	1338.3	1329.6	1321.0	1318.8	1128.0	873.7	746.5	629.7
110°	1348.7	1358.1	1395.4	1432.8	1395.4	1358.1	1348.7	1135.5	851.2	709.1	603.7



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1329.6	1344.0	1401.3	1458.6	1401.3	1344.0	1329.6	1111.4	820.4	675.0	581.1
115°	1264.8	1284.6	1364.1	1443.6	1364.1	1284.6	1264.8	1054.5	774.3	634.1	555.1
117.5°	1175.2	1197.2	1285.4	1373.6	1285.4	1197.2	1175.2	985.4	732.4	605.9	538.7
120°	1114.8	1136.1	1221.8	1307.5	1221.8	1136.1	1114.8	941.4	710.2	594.7	533.2
122.5°	1054.5	1075.6	1160.1	1244.6	1160.1	1075.6	1054.5	898.4	690.1	586.1	530.3
125°	974.6	994.1	1071.8	1149.7	1071.8	994.1	974.6	842.0	665.1	576.7	528.0
127.5°	910.5	926.8	992.5	1058.2	992.5	926.8	910.5	796.6	644.8	568.8	526.6
130°	869.9	885.1	945.7	1006.4	945.7	885.1	869.9	768.6	633.4	565.8	527.4
132.5°	835.4	849.0	903.4	957.7	903.4	849.0	835.4	744.7	623.7	563.2	528.0
135°	786.7	798.4	845.2	892.1	845.2	798.4	786.7	710.7	609.4	558.7	527.4
137.5°	750.7	760.3	798.7	837.0	798.7	760.3	750.7	686.5	600.8	558.0	530.7
140°	721.8	730.7	766.6	802.4	766.6	730.7	721.8	666.3	592.4	555.3	531.2
142.5°	701.6	709.3	740.1	770.9	740.1	709.3	701.6	652.8	587.8	555.3	533.1
145°	671.2	677.0	700.4	723.7	700.4	677.0	671.2	631.4	578.2	551.6	533.2
147.5°	645.7	650.5	669.9	689.2	669.9	650.5	645.7	614.3	572.5	551.6	536.9
150°	631.1	635.0	650.7	666.3	650.7	635.0	631.1	604.6	569.3	551.6	538.8
152.5°	619.5	622.5	634.3	646.1	634.3	622.5	619.5	596.8	566.7	551.6	540.1
155°	605.5	607.5	615.4	623.2	615.4	607.5	605.5	587.5	563.6	551.6	542.8
157.5°	593.5	594.9	600.5	605.9	600.5	594.9	593.5	579.5	560.9	551.6	545.5
160°	587.5	588.4	591.5	594.7	591.5	588.4	587.5	575.5	559.6	551.6	546.8
162.5°	582.0	582.7	585.7	588.7	585.7	582.7	582.0	571.9	558.3	551.6	548.1
165°	573.3	574.2	577.3	580.4	577.3	574.2	573.3	566.1	556.4	551.6	550.0
167.5°	569.6	570.0	571.3	572.6	571.3	570.0	569.6	564.9	558.5	555.3	554.0
170°	569.6	569.6	569.6	569.6	569.6	569.6	569.6	564.9	558.5	555.3	555.2
172.5°	566.6	566.3	565.2	564.0	565.2	566.3	566.6	562.9	557.9	555.3	555.3
175°	562.4	562.4	562.4	562.4	562.4	562.4	562.4	560.1	556.9	555.3	556.1
177.5°	561.7	561.3	560.1	558.7	560.1	561.3	561.7	559.8	557.3	556.1	556.6
180°	558.7	558.7	558.7	558.7	558.7	558.7	558.7	558.7	558.7	558.7	558.7



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3254.0	3254.0	3254.0	3254.0	3254.0
2.5°	3213.9	3229.3	3238.6	3250.9	3281.6
5°	3090.8	3149.3	3167.7	3213.9	3269.3
7.5°	2819.9	2998.4	3047.6	3158.5	3244.7
10°	2558.2	2736.7	2823.0	3084.6	3213.9
12.5°	2425.8	2530.5	2589.0	2955.3	3170.8
15°	2342.7	2416.6	2459.7	2782.9	3121.6
17.5°	2278.1	2330.4	2361.1	2613.7	3053.8
20°	2238.1	2262.6	2290.4	2490.5	2976.9
22.5°	2210.3	2195.0	2216.5	2404.3	2872.2
25°	2191.9	2133.4	2158.0	2336.6	2749.1
27.5°	2207.2	2078.0	2087.2	2275.0	2619.8
30°	2210.3	2010.2	2013.3	2210.3	2475.1
32.5°	2188.8	1939.4	1942.5	2130.3	2311.9
35°	2136.5	1856.3	1853.2	2038.0	2090.3
37.5°	2065.6	1767.1	1767.1	1936.3	1847.1
40°	1979.5	1677.7	1687.0	1804.0	1631.6
42.5°	1874.8	1582.3	1594.7	1628.5	1471.5
45°	1760.9	1490.0	1499.2	1376.1	1348.4
47.5°	1634.7	1394.6	1397.7	1142.1	1308.3
50°	1483.8	1296.1	1283.7	979.0	1305.2
52.5°	1351.4	1188.3	1151.3	886.6	1185.2
55°	1222.2	1074.4	994.3	815.8	1099.0
57.5°	1108.2	926.6	849.7	732.7	1080.6
60°	1003.6	781.9	723.4	643.4	991.2
62.5°	917.4	674.2	661.9	581.8	898.9
65°	825.0	600.3	597.2	529.5	763.5
67.5°	735.7	551.1	548.0	480.2	581.8
70°	640.3	498.8	492.6	427.9	431.0
72.5°	541.8	440.3	434.1	384.8	357.1
75°	443.3	372.5	369.4	335.6	289.4
77.5°	347.8	295.5	301.7	270.9	212.4
80°	249.3	215.5	221.7	193.9	160.1
82.5°	166.3	141.6	147.7	123.2	107.7
85°	92.3	80.0	83.1	64.7	49.2
87.5°	43.1	36.9	36.9	24.7	15.4
90°	16.5	10.5	9.7	6.7	3.7
92.5°	101.8	72.4	66.0	40.5	15.0
95°	250.3	141.0	129.4	82.7	36.0
97.5°	337.2	154.8	144.5	103.3	62.2
100°	368.9	166.5	157.1	119.8	82.5
102.5°	383.3	178.1	169.4	134.6	99.8
105°	394.1	195.4	188.0	158.5	129.0
107.5°	396.1	220.9	213.9	186.5	159.0
110°	393.1	235.1	229.0	204.0	179.2



TEST NUMBER: P934546

CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	393.2	252.3	246.4	222.8	199.1
115°	396.9	278.3	272.8	251.0	229.1
117.5°	404.2	303.4	298.4	278.5	258.7
120°	410.2	318.0	313.4	294.6	276.0
122.5°	418.8	335.2	330.5	311.6	292.8
125°	430.4	357.3	353.0	335.8	318.7
127.5°	442.1	378.7	374.3	357.0	339.7
130°	450.5	393.0	388.3	369.6	350.9
132.5°	457.5	404.6	400.0	381.2	362.6
135°	464.9	418.1	413.8	396.9	379.9
137.5°	476.2	435.4	431.2	414.3	397.5
140°	483.1	447.0	443.1	427.6	412.1
142.5°	488.8	455.5	452.0	437.6	423.3
145°	496.4	468.7	465.6	453.1	440.6
147.5°	507.3	485.2	482.2	470.0	457.8
150°	513.1	493.8	491.1	480.1	469.1
152.5°	516.9	499.5	497.4	489.1	480.7
155°	525.1	511.9	510.3	504.1	497.9
157.5°	533.3	524.2	522.7	516.7	510.7
160°	537.1	529.9	528.7	524.0	519.3
162.5°	541.1	535.9	535.0	531.5	528.0
165°	546.8	544.4	543.6	540.5	537.3
167.5°	551.3	549.3	549.0	547.4	546.0
170°	555.1	555.0	554.6	553.1	551.6
172.5°	555.3	555.3	555.2	555.0	554.6
175°	557.6	558.7	558.7	558.7	558.7
177.5°	557.8	558.7	558.7	558.7	558.7
180°	558.7	558.7	558.7	558.7	558.7



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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	15.91	16.98	16.67	17.77	18.72	18.74	19.82	19.51	20.60	21.56
	3H	16.40	17.36	17.18	18.16	19.14	20.11	21.07	20.89	21.87	22.85
	4H	16.60	17.51	17.40	18.31	19.31	20.56	21.47	21.36	22.28	23.27
	6H	16.73	17.57	17.54	18.38	19.39	20.86	21.70	21.67	22.51	23.52
	8H	16.74	17.54	17.55	18.37	19.38	20.94	21.74	21.76	22.57	23.59
	12H	16.71	17.48	17.54	18.30	19.34	20.99	21.75	21.81	22.58	23.62
4H	2H	16.97	17.88	17.77	18.68	19.68	19.18	20.09	19.98	20.89	21.89
	3H	18.01	18.77	18.82	19.61	20.62	20.71	21.46	21.52	22.30	23.32
	4H	18.30	18.99	19.12	19.83	20.87	21.24	21.93	22.07	22.77	23.81
	6H	18.43	19.03	19.28	19.89	20.94	21.62	22.22	22.47	23.08	24.13
	8H	18.45	19.00	19.29	19.86	20.92	21.74	22.29	22.58	23.15	24.21
	12H	18.42	18.92	19.29	19.80	20.87	21.80	22.31	22.67	23.18	24.25
8H	4H	18.77	19.33	19.62	20.18	21.24	21.39	21.94	22.23	22.80	23.86
	6H	19.04	19.50	19.91	20.40	21.46	21.83	22.29	22.71	23.19	24.25
	8H	19.08	19.49	19.97	20.39	21.46	21.99	22.40	22.87	23.29	24.37
	12H	19.08	19.44	19.97	20.32	21.45	22.10	22.46	22.99	23.34	24.47
12H	4H	18.79	19.29	19.65	20.17	21.23	21.36	21.86	22.23	22.74	23.80
	6H	19.10	19.51	19.99	20.41	21.48	21.83	22.24	22.72	23.14	24.21
	8H	19.18	19.54	20.07	20.43	21.55	22.00	22.37	22.89	23.25	24.38