

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: P934130

Luminaire Tested: SQ4-FA-025U-125D-92765-1D-UNV-STD-W-12-6500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934130
REPORT IS A COMBINATION OF REPORTS P933685 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-025U-125D-92765-1D-UNV-STD-W-12-6500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

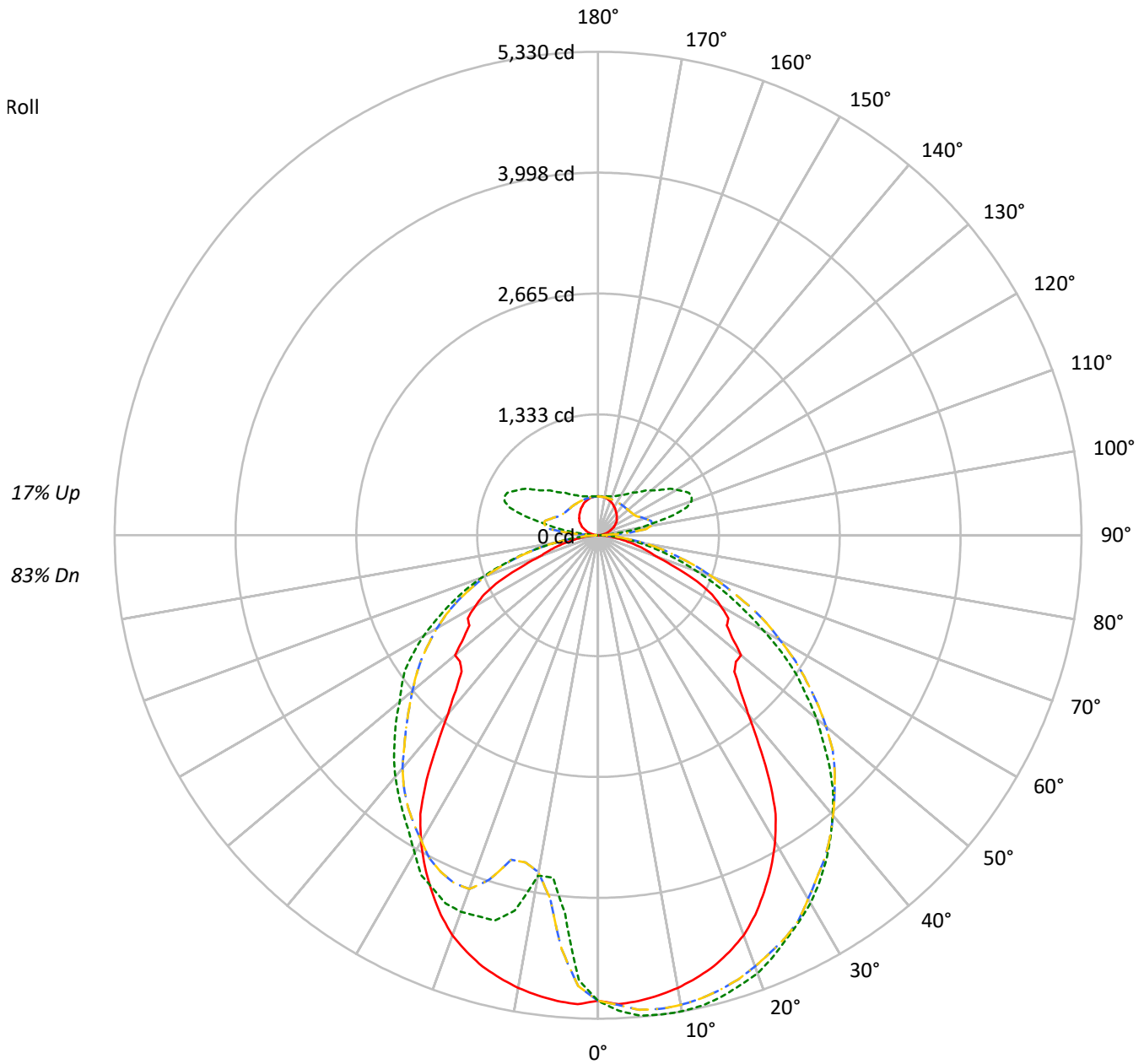
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16080.3 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 148.8
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: P934130
CATALOG NUMBER: SQ4-FA-025U-125D-92765-1D-UNV-STD-W-12-6500K

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	115	115	115	115	110	110	110	110	102	102	102	94	94	94	86	86	86	86	86	86	83
1	105	101	97	93	101	97	93	90	89	87	84	83	80	78	76	75	73	73	73	73	70
2	96	88	82	76	92	85	79	74	78	74	70	73	69	66	67	64	62	62	62	62	59
3	88	78	70	64	84	75	68	62	69	63	59	64	60	56	60	56	52	52	52	52	50
4	80	69	60	54	77	66	59	53	62	55	50	57	52	48	53	49	45	45	45	45	43
5	74	61	53	46	70	59	51	45	55	49	43	52	46	41	48	43	39	39	39	39	37
6	68	55	47	40	65	53	45	40	50	43	38	47	41	36	44	39	35	35	35	35	32
7	63	50	42	36	60	48	41	35	45	39	34	42	37	32	40	35	31	31	31	31	29
8	59	46	37	32	56	44	36	31	41	35	30	39	33	29	37	31	28	28	28	28	26
9	55	42	34	28	52	40	33	28	38	32	27	36	30	26	34	29	25	25	25	25	23
10	51	38	31	26	49	37	30	25	35	29	24	33	28	24	31	26	23	23	23	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15870	15870	15870	15870
5°	15994	16020	15994	12597
10°	15894	15781	15894	11282
15°	15727	15439	15727	12892
20°	15404	15034	15404	12919
25°	14737	14443	14737	12645
30°	13872	13953	13872	12044
35°	12373	13332	12373	11383
40°	10316	12602	10316	10884
45°	9223	11747	9223	10310
50°	9807	10728	9807	9734
55°	9235	9629	9235	9401
60°	9532	8178	9532	8610
65°	8656	6761	8656	7557
70°	6008	5387	6008	6334
75°	5289	3983	5289	4769
80°	4293	2633	4293	2867
85°	2514	1395	2514	1185

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14127 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	463.2	2.9
10°-20°	1315.0	8.2
20°-30°	2032.8	12.6
30°-40°	2426.7	15.1
40°-50°	2440.9	15.2
50°-60°	2123.9	13.2
60°-70°	1505.9	9.4
70°-80°	796.7	5.0
80°-90°	200.0	1.2
90°-100°	208.7	1.3
100°-110°	548.6	3.4
110°-120°	568.9	3.5
120°-130°	456.3	2.8
130°-140°	358.0	2.2
140°-150°	274.8	1.7
150°-160°	197.9	1.2
160°-170°	121.1	0.8
170°-180°	40.9	0.3
0°-30°	3811.0	23.7
0°-40°	6237.7	38.8
0°-60°	10802.5	67.2
0°-90°	13305.1	82.7
90°-120°	1326.1	8.2
90°-150°	2415.3	15.0
90°-180°	2775.0	17.3
0°-180°	16080.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5131	5131	5131	5131	5131	
5°	5155	5315	5155	4180	5155	489
15°	4922	5267	4922	4398	4922	1385
25°	4335	4912	4335	4301	4335	1990
35°	3296	4383	3296	3743	3296	2039
45°	2126	3612	2126	3170	2126	1703
55°	1733	2665	1733	2602	1733	1592
65°	1204	1607	1204	1796	1204	1151
75°	456	762	456	913	456	480
85°	78	194	78	165	78	105
90°	3	11	3	11	3	6
95°	28	126	28	126	28	31
105°	99	859	99	859	99	105
115°	176	1106	176	1106	176	173
125°	244	881	244	881	244	217
135°	291	684	291	684	291	225
145°	338	554	338	554	338	211
155°	382	478	382	478	382	175
165°	412	445	412	445	412	116
175°	428	431	428	431	428	41
180°	428	428	428	428	428	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9
2.5°	5174.6	5174.6	5203.7	5213.5	5213.5	5198.8	5184.3	5198.8	5242.5	5257.1	5252.3
5°	5155.1	5194.0	5247.4	5257.1	5266.8	5261.9	5252.3	5261.9	5310.5	5320.3	5325.0
7.5°	5116.3	5189.2	5257.1	5271.7	5286.2	5271.7	5266.8	5276.6	5325.0	5334.8	5334.8
10°	5067.8	5169.8	5247.4	5257.1	5271.7	5257.1	5257.1	5276.6	5325.0	5334.8	5339.7
12.5°	4999.8	5140.6	5213.5	5223.1	5242.5	5237.6	5232.9	5252.3	5300.8	5310.5	5310.5
15°	4922.2	5087.2	5155.1	5164.9	5198.8	5189.2	5189.2	5208.6	5261.9	5276.6	5271.7
17.5°	4815.4	5019.2	5096.9	5111.5	5135.7	5130.9	5135.7	5155.1	5203.7	5213.5	5218.2
20°	4694.0	4927.0	5019.2	5033.8	5058.1	5058.1	5058.1	5082.4	5130.9	5150.3	5150.3
22.5°	4529.0	4829.9	4927.0	4936.7	4965.9	4965.9	4975.6	5009.5	5053.2	5058.1	5058.1
25°	4334.8	4723.1	4805.6	4834.8	4864.0	4878.5	4893.0	4912.4	4927.0	4922.2	4927.0
27.5°	4130.9	4587.2	4694.0	4713.5	4752.3	4766.8	4786.2	4791.1	4796.0	4810.5	4800.9
30°	3902.8	4397.9	4558.1	4577.5	4640.6	4650.3	4630.9	4640.6	4664.9	4674.6	4684.3
32.5°	3645.5	4116.4	4417.3	4461.0	4519.3	4490.2	4485.3	4499.8	4538.7	4538.7	4548.4
35°	3296.0	3897.9	4286.2	4325.1	4368.8	4334.8	4354.2	4359.1	4383.4	4397.9	4393.0
37.5°	2912.6	3708.6	4150.4	4179.5	4213.5	4169.8	4198.9	4213.5	4232.9	4223.1	4223.1
40°	2572.7	3412.5	3990.2	4009.6	4038.7	4004.7	4033.9	4043.5	4053.3	4043.5	4038.7
42.5°	2320.3	3087.3	3820.3	3844.6	3825.2	3849.3	3859.1	3878.5	3864.0	3844.6	3844.6
45°	2126.1	2999.9	3635.8	3664.9	3635.8	3674.6	3689.2	3689.2	3645.5	3635.8	3631.0
47.5°	2063.1	2825.2	3451.4	3451.4	3436.7	3485.3	3509.6	3475.6	3432.0	3417.3	3417.3
50°	2058.2	2631.0	3198.9	3179.5	3247.4	3305.8	3281.5	3247.4	3213.5	3160.1	3160.1
52.5°	1868.9	2393.2	2873.6	2946.5	3053.3	3087.3	3048.4	3014.5	2956.2	2932.0	2912.6
55°	1732.9	2145.6	2577.6	2723.2	2834.8	2878.5	2805.8	2771.7	2684.4	2669.8	2660.1
57.5°	1703.8	1786.4	2305.8	2490.2	2626.1	2621.3	2577.6	2514.5	2441.6	2427.1	2422.2
60°	1563.1	1291.2	2014.5	2232.9	2373.7	2359.1	2320.3	2262.1	2194.1	2184.4	2174.7
62.5°	1417.5	936.9	1684.4	1932.0	2131.0	2126.1	2092.2	2004.8	1956.3	1932.0	1912.6
65°	1203.8	786.4	1199.0	1606.8	1893.2	1902.8	1830.1	1766.9	1713.5	1684.4	1679.6
67.5°	917.5	640.7	810.7	1339.7	1665.0	1655.3	1563.1	1533.9	1465.9	1451.4	1422.2
70°	679.6	427.1	563.1	1087.4	1441.7	1417.5	1344.6	1310.7	1247.5	1213.5	1194.1
72.5°	563.1	344.6	412.6	844.6	1213.5	1184.4	1121.3	1082.5	1029.1	1000.0	980.6
75°	456.3	364.0	315.5	626.2	985.4	965.9	907.7	868.9	825.2	786.4	791.2
77.5°	335.0	339.8	252.4	461.2	781.5	752.4	718.4	669.9	650.5	611.7	611.7
80°	252.4	267.0	189.3	315.5	563.1	563.1	533.9	500.0	466.0	446.5	446.5
82.5°	169.9	169.9	140.8	199.0	383.5	368.9	349.5	339.8	320.4	310.7	310.7
85°	77.6	97.1	87.4	121.3	208.7	218.4	218.4	208.7	203.9	194.2	199.0
87.5°	24.3	43.7	53.4	68.0	106.8	111.7	116.5	116.5	116.5	121.3	121.3
90°	2.9	5.2	7.5	8.0	12.6	18.7	21.8	19.4	14.5	10.9	10.9
92.5°	11.5	31.0	50.6	55.5	77.9	108.0	123.0	107.8	77.4	54.6	52.4
95°	27.5	63.3	99.1	108.0	191.8	303.6	359.4	320.7	243.4	185.3	178.7
97.5°	47.7	79.3	110.8	118.7	258.4	444.7	537.9	513.4	464.5	427.8	415.3
100°	63.2	91.8	120.4	127.6	282.7	489.4	592.7	594.6	598.1	600.8	585.9
102.5°	76.4	103.1	129.8	136.4	293.7	503.4	608.2	639.4	701.7	748.4	735.6
105°	98.9	121.4	144.0	149.6	302.0	505.0	606.5	676.3	816.0	920.8	913.9
107.5°	121.8	142.9	164.0	169.2	303.5	482.5	572.0	669.4	864.3	1010.5	1012.1
110°	137.3	156.3	175.4	180.1	301.2	462.6	543.3	652.2	870.0	1033.5	1040.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	152.6	170.7	188.8	193.3	301.3	445.2	517.2	628.7	851.6	1018.8	1029.8
115°	175.6	192.3	209.0	213.2	304.1	425.2	485.8	593.2	808.0	969.1	984.3
117.5°	198.2	213.4	228.6	232.5	309.7	412.8	464.3	561.3	755.1	900.4	917.4
120°	211.4	225.8	240.1	243.6	314.3	408.5	455.6	544.2	721.4	854.2	870.6
122.5°	224.4	238.9	253.2	256.8	320.9	406.3	449.0	528.8	688.3	807.9	824.0
125°	244.2	257.4	270.6	273.9	329.9	404.6	441.9	509.6	645.0	746.7	761.6
127.5°	260.3	273.6	286.9	290.2	338.8	403.5	435.8	494.0	610.3	697.5	710.2
130°	268.9	283.2	297.6	301.1	345.3	404.1	433.5	485.4	588.9	666.6	678.2
132.5°	277.9	292.1	306.5	310.0	350.5	404.6	431.5	477.9	570.7	640.2	650.6
135°	291.1	304.1	317.1	320.3	356.3	404.2	428.1	466.9	544.6	602.8	611.8
137.5°	304.5	317.5	330.3	333.5	364.9	406.7	427.5	460.3	525.9	575.2	582.5
140°	315.7	327.6	339.5	342.5	370.1	407.1	425.5	453.8	510.5	553.1	559.9
142.5°	324.3	335.3	346.3	349.1	374.5	408.5	425.5	450.4	500.2	537.6	543.5
145°	337.6	347.2	356.8	359.1	380.3	408.5	422.6	443.0	483.7	514.2	518.7
147.5°	350.8	360.1	369.5	371.8	388.7	411.4	422.6	438.7	470.7	494.7	498.5
150°	359.4	367.8	376.3	378.4	393.1	412.8	422.6	436.2	463.3	483.5	486.5
152.5°	368.3	374.7	381.0	382.7	396.0	413.7	422.6	434.2	457.3	474.7	476.9
155°	381.5	386.2	391.0	392.1	402.3	415.8	422.6	431.8	450.3	464.0	465.6
157.5°	391.3	395.9	400.5	401.7	408.7	418.0	422.6	429.8	444.1	454.8	455.8
160°	398.0	401.5	405.1	406.0	411.5	418.9	422.6	428.8	441.0	450.2	450.7
162.5°	404.6	407.2	409.9	410.6	414.6	420.0	422.6	427.8	438.1	445.9	446.4
165°	411.7	414.1	416.6	417.2	419.0	421.4	422.6	426.4	433.7	439.3	439.8
167.5°	418.3	419.5	420.6	420.9	422.4	424.5	425.5	427.9	432.8	436.4	436.7
170°	422.6	423.8	424.9	425.2	425.3	425.4	425.5	427.9	432.8	436.4	436.4
172.5°	424.9	425.2	425.4	425.5	425.5	425.5	425.5	427.4	431.2	434.1	433.9
175°	428.1	428.1	428.1	428.1	427.2	426.1	425.5	426.7	429.1	431.0	431.0
177.5°	428.1	428.1	428.1	428.1	427.4	426.6	426.1	427.0	428.9	430.4	430.1
180°	428.1	428.1	428.1	428.1	428.1	428.1	428.1	428.1	428.1	428.1	428.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9
2.5°	5261.9	5247.4	5261.9	5252.3	5257.1	5242.5	5198.8	5184.3	5198.8	5213.5	5213.5
5°	5325.0	5315.4	5325.0	5325.0	5320.3	5310.5	5261.9	5252.3	5261.9	5266.8	5257.1
7.5°	5344.4	5329.9	5344.4	5334.8	5334.8	5325.0	5276.6	5266.8	5271.7	5286.2	5271.7
10°	5344.4	5329.9	5344.4	5339.7	5334.8	5325.0	5276.6	5257.1	5257.1	5271.7	5257.1
12.5°	5320.3	5310.5	5320.3	5310.5	5310.5	5300.8	5252.3	5232.9	5237.6	5242.5	5223.1
15°	5281.3	5266.8	5281.3	5271.7	5276.6	5261.9	5208.6	5189.2	5189.2	5198.8	5164.9
17.5°	5223.1	5203.7	5223.1	5218.2	5213.5	5203.7	5155.1	5135.7	5130.9	5135.7	5111.5
20°	5155.1	5140.6	5155.1	5150.3	5150.3	5130.9	5082.4	5058.1	5058.1	5058.1	5033.8
22.5°	5048.4	5033.8	5048.4	5058.1	5058.1	5053.2	5009.5	4975.6	4965.9	4965.9	4936.7
25°	4927.0	4912.4	4927.0	4927.0	4922.2	4927.0	4912.4	4893.0	4878.5	4864.0	4834.8
27.5°	4810.5	4800.9	4810.5	4800.9	4810.5	4796.0	4791.1	4786.2	4766.8	4752.3	4713.5
30°	4694.0	4684.3	4694.0	4684.3	4674.6	4664.9	4640.6	4630.9	4650.3	4640.6	4577.5
32.5°	4548.4	4538.7	4548.4	4548.4	4538.7	4538.7	4499.8	4485.3	4490.2	4519.3	4461.0
35°	4397.9	4383.4	4397.9	4393.0	4397.9	4383.4	4359.1	4354.2	4334.8	4368.8	4325.1
37.5°	4223.1	4208.6	4223.1	4223.1	4223.1	4232.9	4213.5	4198.9	4169.8	4213.5	4179.5
40°	4043.5	4024.1	4043.5	4038.7	4043.5	4053.3	4043.5	4033.9	4004.7	4038.7	4009.6
42.5°	3839.7	3834.8	3839.7	3844.6	3844.6	3864.0	3878.5	3859.1	3849.3	3825.2	3844.6
45°	3621.2	3611.5	3621.2	3631.0	3635.8	3645.5	3689.2	3689.2	3674.6	3635.8	3664.9
47.5°	3388.3	3364.0	3388.3	3417.3	3417.3	3432.0	3475.6	3509.6	3485.3	3436.7	3451.4
50°	3140.7	3145.5	3140.7	3160.1	3160.1	3213.5	3247.4	3281.5	3305.8	3247.4	3179.5
52.5°	2897.9	2893.2	2897.9	2912.6	2932.0	2956.2	3014.5	3048.4	3087.3	3053.3	2946.5
55°	2655.3	2665.0	2655.3	2660.1	2669.8	2684.4	2771.7	2805.8	2878.5	2834.8	2723.2
57.5°	2412.6	2397.9	2412.6	2422.2	2427.1	2441.6	2514.5	2577.6	2621.3	2626.1	2490.2
60°	2131.0	2111.6	2131.0	2174.7	2184.4	2194.1	2262.1	2320.3	2359.1	2373.7	2232.9
62.5°	1883.4	1849.5	1883.4	1912.6	1932.0	1956.3	2004.8	2092.2	2126.1	2131.0	1932.0
65°	1621.3	1606.8	1621.3	1679.6	1684.4	1713.5	1766.9	1830.1	1902.8	1893.2	1606.8
67.5°	1383.4	1383.4	1383.4	1422.2	1451.4	1465.9	1533.9	1563.1	1655.3	1665.0	1339.7
70°	1165.0	1160.1	1165.0	1194.1	1213.5	1247.5	1310.7	1344.6	1417.5	1441.7	1087.4
72.5°	956.3	951.4	956.3	980.6	1000.0	1029.1	1082.5	1121.3	1184.4	1213.5	844.6
75°	771.8	762.1	771.8	791.2	786.4	825.2	868.9	907.7	965.9	985.4	626.2
77.5°	592.2	592.2	592.2	611.7	611.7	650.5	669.9	718.4	752.4	781.5	461.2
80°	441.8	436.9	441.8	446.5	446.5	466.0	500.0	533.9	563.1	563.1	315.5
82.5°	310.7	300.9	310.7	310.7	310.7	320.4	339.8	349.5	368.9	383.5	199.0
85°	194.2	194.2	194.2	199.0	194.2	203.9	208.7	218.4	218.4	208.7	121.3
87.5°	126.2	121.3	126.2	121.3	121.3	116.5	116.5	116.5	111.7	106.8	68.0
90°	10.9	10.9	10.9	10.9	10.9	14.5	19.4	21.8	18.7	12.6	8.0
92.5°	43.8	35.1	43.8	52.4	54.6	77.4	107.8	123.0	108.0	77.9	55.5
95°	152.4	126.1	152.4	178.7	185.3	243.4	320.7	359.4	303.6	191.8	108.0
97.5°	365.3	315.2	365.3	415.3	427.8	464.5	513.4	537.9	444.7	258.4	118.7
100°	526.3	466.6	526.3	585.9	600.8	598.1	594.6	592.7	489.4	282.7	127.6
102.5°	684.5	633.5	684.5	735.6	748.4	701.7	639.4	608.2	503.4	293.7	136.4
105°	886.5	859.0	886.5	913.9	920.8	816.0	676.3	606.5	505.0	302.0	149.6
107.5°	1018.8	1025.4	1018.8	1012.1	1010.5	864.3	669.4	572.0	482.5	303.5	169.2
110°	1069.2	1097.8	1069.2	1040.6	1033.5	870.0	652.2	543.3	462.6	301.2	180.1



TEST NUMBER: P934130

CATALOG NUMBER: SQ4-FA-025U-125D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1073.7	1117.6	1073.7	1029.8	1018.8	851.6	628.7	517.2	445.2	301.3	193.3
115°	1045.2	1106.1	1045.2	984.3	969.1	808.0	593.2	485.8	425.2	304.1	213.2
117.5°	984.9	1052.4	984.9	917.4	900.4	755.1	561.3	464.3	412.8	309.7	232.5
120°	936.2	1001.8	936.2	870.6	854.2	721.4	544.2	455.6	408.5	314.3	243.6
122.5°	888.9	953.6	888.9	824.0	807.9	688.3	528.8	449.0	406.3	320.9	256.8
125°	821.2	880.8	821.2	761.6	746.7	645.0	509.6	441.9	404.6	329.9	273.9
127.5°	760.5	810.8	760.5	710.2	697.5	610.3	494.0	435.8	403.5	338.8	290.2
130°	724.7	771.2	724.7	678.2	666.6	588.9	485.4	433.5	404.1	345.3	301.1
132.5°	692.2	733.8	692.2	650.6	640.2	570.7	477.9	431.5	404.6	350.5	310.0
135°	647.6	683.5	647.6	611.8	602.8	544.6	466.9	428.1	404.2	356.3	320.3
137.5°	611.9	641.3	611.9	582.5	575.2	525.9	460.3	427.5	406.7	364.9	333.5
140°	587.4	614.8	587.4	559.9	553.1	510.5	453.8	425.5	407.1	370.1	342.5
142.5°	567.1	590.7	567.1	543.5	537.6	500.2	450.4	425.5	408.5	374.5	349.1
145°	536.6	554.5	536.6	518.7	514.2	483.7	443.0	422.6	408.5	380.3	359.1
147.5°	513.3	528.1	513.3	498.5	494.7	470.7	438.7	422.6	411.4	388.7	371.8
150°	498.6	510.5	498.6	486.5	483.5	463.3	436.2	422.6	412.8	393.1	378.4
152.5°	485.9	495.0	485.9	476.9	474.7	457.3	434.2	422.6	413.7	396.0	382.7
155°	471.5	477.5	471.5	465.6	464.0	450.3	431.8	422.6	415.8	402.3	392.1
157.5°	460.1	464.3	460.1	455.8	454.8	444.1	429.8	422.6	418.0	408.7	401.7
160°	453.2	455.6	453.2	450.7	450.2	441.0	428.8	422.6	418.9	411.5	406.0
162.5°	448.7	451.0	448.7	446.4	445.9	438.1	427.8	422.6	420.0	414.6	410.6
165°	442.3	444.7	442.3	439.8	439.3	433.7	426.4	422.6	421.4	419.0	417.2
167.5°	437.6	438.7	437.6	436.7	436.4	432.8	427.9	425.5	424.5	422.4	420.9
170°	436.4	436.4	436.4	436.4	436.4	432.8	427.9	425.5	425.4	425.3	425.2
172.5°	433.0	432.1	433.0	433.9	434.1	431.2	427.4	425.5	425.5	425.5	425.5
175°	431.0	431.0	431.0	431.0	431.0	429.1	426.7	425.5	426.1	427.2	428.1
177.5°	429.1	428.1	429.1	430.1	430.4	428.9	427.0	426.1	426.6	427.4	428.1
180°	428.1	428.1	428.1	428.1	428.1	428.1	428.1	428.1	428.1	428.1	428.1



TEST NUMBER: P934130

CATALOG NUMBER: SQ4-FA-025U-125D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9
2.5°	5203.7	5174.6	5174.6	5126.1	5106.6	5092.1	5067.8	4995.0	4975.6	4956.1	4985.3
5°	5247.4	5194.0	5155.1	5067.8	4995.0	4965.9	4873.6	4698.8	4582.4	4495.0	4446.5
7.5°	5257.1	5189.2	5116.3	4980.4	4805.6	4728.0	4446.5	4126.1	4038.7	3961.0	3912.5
10°	5247.4	5169.8	5067.8	4864.0	4451.3	4315.4	4033.9	3825.2	3771.7	3757.2	3771.7
12.5°	5213.5	5140.6	4999.8	4660.0	4082.4	3990.2	3825.2	3703.7	3694.1	3718.3	3849.3
15°	5155.1	5087.2	4922.2	4388.2	3878.5	3810.5	3694.1	3650.4	3703.7	3873.6	4266.8
17.5°	5096.9	5019.2	4815.4	4121.2	3723.2	3674.6	3592.1	3679.5	3980.4	4208.6	4339.7
20°	5019.2	4927.0	4694.0	3927.1	3611.5	3567.8	3529.0	3922.2	4150.4	4232.9	4305.6
22.5°	4927.0	4829.9	4529.0	3791.1	3495.1	3461.0	3485.3	4058.1	4150.4	4208.6	4271.7
25°	4805.6	4723.1	4334.8	3684.3	3402.8	3364.0	3456.2	4043.5	4096.9	4111.5	4237.8
27.5°	4694.0	4587.2	4130.9	3587.3	3291.1	3276.6	3480.4	3980.4	4019.3	4033.9	4169.8
30°	4558.1	4397.9	3902.8	3485.3	3174.7	3169.8	3485.3	3902.8	3893.0	3931.9	4067.8
32.5°	4417.3	4116.4	3645.5	3359.1	3063.0	3058.2	3451.4	3786.2	3776.6	3829.9	3931.9
35°	4286.2	3897.9	3296.0	3213.5	2922.2	2927.1	3368.9	3650.4	3655.2	3703.7	3766.8
37.5°	4150.4	3708.6	2912.6	3053.3	2786.3	2786.3	3257.2	3524.1	3514.5	3529.0	3616.4
40°	3990.2	3412.5	2572.7	2844.6	2660.1	2645.5	3121.3	3388.3	3354.2	3349.4	3470.8
42.5°	3820.3	3087.3	2320.3	2567.9	2514.5	2495.1	2956.2	3223.2	3160.1	3174.7	3329.9
45°	3635.8	2999.9	2126.1	2169.8	2364.0	2349.5	2776.6	3033.9	2990.2	3029.0	3189.2
47.5°	3451.4	2825.2	2063.1	1800.9	2203.8	2199.0	2577.6	2849.5	2825.2	2864.0	3033.9
50°	3198.9	2631.0	2058.2	1543.7	2024.2	2043.6	2339.7	2669.8	2669.8	2703.8	2883.4
52.5°	2873.6	2393.2	1868.9	1398.0	1815.4	1873.8	2131.0	2514.5	2524.2	2558.2	2718.4
55°	2577.6	2145.6	1732.9	1286.4	1567.9	1694.1	1927.1	2354.2	2373.7	2407.7	2553.3
57.5°	2305.8	1786.4	1703.8	1155.3	1339.7	1461.2	1747.5	2199.0	2208.7	2237.8	2378.5
60°	2014.5	1291.2	1563.1	1014.5	1140.7	1233.0	1582.5	2014.5	2048.5	2067.9	2189.2
62.5°	1684.4	936.9	1417.5	917.5	1043.7	1063.1	1446.5	1839.7	1883.4	1897.9	1970.8
65°	1199.0	786.4	1203.8	834.9	941.8	946.5	1300.9	1660.1	1699.0	1723.3	1776.6
67.5°	810.7	640.7	917.5	757.2	864.0	868.9	1160.1	1451.4	1504.8	1524.3	1558.2
70°	563.1	427.1	679.6	674.7	776.7	786.4	1009.6	1262.1	1310.7	1325.2	1344.6
72.5°	412.6	344.6	563.1	606.8	684.4	694.2	854.4	1048.5	1097.0	1111.6	1121.3
75°	315.5	364.0	456.3	529.1	582.5	587.4	699.0	854.4	888.3	898.1	902.8
77.5°	252.4	339.8	335.0	427.1	475.7	466.0	548.6	660.2	689.3	689.3	689.3
80°	189.3	267.0	252.4	305.8	349.5	339.8	393.2	470.8	480.6	490.2	485.5
82.5°	140.8	169.9	169.9	194.2	233.0	223.3	262.1	305.8	305.8	305.8	315.5
85°	87.4	97.1	77.6	101.9	131.1	126.2	145.6	165.0	169.9	169.9	160.2
87.5°	53.4	43.7	24.3	38.8	58.2	58.2	68.0	72.8	68.0	68.0	68.0
90°	7.5	5.2	2.9	5.2	7.5	8.0	12.6	18.7	21.8	19.4	14.5
92.5°	50.6	31.0	11.5	31.0	50.6	55.5	77.9	108.0	123.0	107.8	77.4
95°	99.1	63.3	27.5	63.3	99.1	108.0	191.8	303.6	359.4	320.7	243.4
97.5°	110.8	79.3	47.7	79.3	110.8	118.7	258.4	444.7	537.9	513.4	464.5
100°	120.4	91.8	63.2	91.8	120.4	127.6	282.7	489.4	592.7	594.6	598.1
102.5°	129.8	103.1	76.4	103.1	129.8	136.4	293.7	503.4	608.2	639.4	701.7
105°	144.0	121.4	98.9	121.4	144.0	149.6	302.0	505.0	606.5	676.3	816.0
107.5°	164.0	142.9	121.8	142.9	164.0	169.2	303.5	482.5	572.0	669.4	864.3
110°	175.4	156.3	137.3	156.3	175.4	180.1	301.2	462.6	543.3	652.2	870.0



TEST NUMBER: P934130

CATALOG NUMBER: SQ4-FA-025U-125D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	188.8	170.7	152.6	170.7	188.8	193.3	301.3	445.2	517.2	628.7	851.6
115°	209.0	192.3	175.6	192.3	209.0	213.2	304.1	425.2	485.8	593.2	808.0
117.5°	228.6	213.4	198.2	213.4	228.6	232.5	309.7	412.8	464.3	561.3	755.1
120°	240.1	225.8	211.4	225.8	240.1	243.6	314.3	408.5	455.6	544.2	721.4
122.5°	253.2	238.9	224.4	238.9	253.2	256.8	320.9	406.3	449.0	528.8	688.3
125°	270.6	257.4	244.2	257.4	270.6	273.9	329.9	404.6	441.9	509.6	645.0
127.5°	286.9	273.6	260.3	273.6	286.9	290.2	338.8	403.5	435.8	494.0	610.3
130°	297.6	283.2	268.9	283.2	297.6	301.1	345.3	404.1	433.5	485.4	588.9
132.5°	306.5	292.1	277.9	292.1	306.5	310.0	350.5	404.6	431.5	477.9	570.7
135°	317.1	304.1	291.1	304.1	317.1	320.3	356.3	404.2	428.1	466.9	544.6
137.5°	330.3	317.5	304.5	317.5	330.3	333.5	364.9	406.7	427.5	460.3	525.9
140°	339.5	327.6	315.7	327.6	339.5	342.5	370.1	407.1	425.5	453.8	510.5
142.5°	346.3	335.3	324.3	335.3	346.3	349.1	374.5	408.5	425.5	450.4	500.2
145°	356.8	347.2	337.6	347.2	356.8	359.1	380.3	408.5	422.6	443.0	483.7
147.5°	369.5	360.1	350.8	360.1	369.5	371.8	388.7	411.4	422.6	438.7	470.7
150°	376.3	367.8	359.4	367.8	376.3	378.4	393.1	412.8	422.6	436.2	463.3
152.5°	381.0	374.7	368.3	374.7	381.0	382.7	396.0	413.7	422.6	434.2	457.3
155°	391.0	386.2	381.5	386.2	391.0	392.1	402.3	415.8	422.6	431.8	450.3
157.5°	400.5	395.9	391.3	395.9	400.5	401.7	408.7	418.0	422.6	429.8	444.1
160°	405.1	401.5	398.0	401.5	405.1	406.0	411.5	418.9	422.6	428.8	441.0
162.5°	409.9	407.2	404.6	407.2	409.9	410.6	414.6	420.0	422.6	427.8	438.1
165°	416.6	414.1	411.7	414.1	416.6	417.2	419.0	421.4	422.6	426.4	433.7
167.5°	420.6	419.5	418.3	419.5	420.6	420.9	422.4	424.5	425.5	427.9	432.8
170°	424.9	423.8	422.6	423.8	424.9	425.2	425.3	425.4	425.5	427.9	432.8
172.5°	425.4	425.2	424.9	425.2	425.4	425.5	425.5	425.5	425.5	427.4	431.2
175°	428.1	428.1	428.1	428.1	428.1	428.1	427.2	426.1	425.5	426.7	429.1
177.5°	428.1	428.1	428.1	428.1	428.1	428.1	427.4	426.6	426.1	427.0	428.9
180°	428.1	428.1	428.1	428.1	428.1	428.1	428.1	428.1	428.1	428.1	428.1



TEST NUMBER: P934130

CATALOG NUMBER: SQ4-FA-025U-125D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9	5130.9
2.5°	4951.3	4936.7	4956.1	4902.8	4956.1	4936.7	4951.3	4985.3	4956.1	4975.6	4995.0
5°	4344.6	4320.3	4242.5	4179.5	4242.5	4320.3	4344.6	4446.5	4495.0	4582.4	4698.8
7.5°	3883.4	3864.0	3844.6	3805.7	3844.6	3864.0	3883.4	3912.5	3961.0	4038.7	4126.1
10°	3781.5	3786.2	3815.4	3810.5	3815.4	3786.2	3781.5	3771.7	3757.2	3771.7	3825.2
12.5°	4043.5	4087.2	4247.4	4237.8	4247.4	4087.2	4043.5	3849.3	3718.3	3694.1	3703.7
15°	4344.6	4359.1	4393.0	4397.9	4393.0	4359.1	4344.6	4266.8	3873.6	3703.7	3650.4
17.5°	4373.6	4378.5	4402.8	4402.8	4402.8	4378.5	4373.6	4339.7	4208.6	3980.4	3679.5
20°	4349.3	4359.1	4407.7	4417.3	4407.7	4359.1	4349.3	4305.6	4232.9	4150.4	3922.2
22.5°	4339.7	4359.1	4397.9	4393.0	4397.9	4359.1	4339.7	4271.7	4208.6	4150.4	4058.1
25°	4291.1	4291.1	4296.0	4300.9	4296.0	4291.1	4291.1	4237.8	4111.5	4096.9	4043.5
27.5°	4189.2	4198.9	4228.0	4223.1	4228.0	4198.9	4189.2	4169.8	4033.9	4019.3	3980.4
30°	4096.9	4087.2	4063.0	4043.5	4063.0	4087.2	4096.9	4067.8	3931.9	3893.0	3902.8
32.5°	3941.6	3917.3	3893.0	3878.5	3893.0	3917.3	3941.6	3931.9	3829.9	3776.6	3786.2
35°	3757.2	3762.0	3757.2	3742.6	3757.2	3762.0	3757.2	3766.8	3703.7	3655.2	3650.4
37.5°	3626.1	3635.8	3631.0	3611.5	3631.0	3635.8	3626.1	3616.4	3529.0	3514.5	3524.1
40°	3490.2	3495.1	3490.2	3475.6	3490.2	3495.1	3490.2	3470.8	3349.4	3354.2	3388.3
42.5°	3359.1	3354.2	3339.7	3329.9	3339.7	3354.2	3359.1	3329.9	3174.7	3160.1	3223.2
45°	3208.6	3213.5	3184.3	3169.8	3184.3	3213.5	3208.6	3189.2	3029.0	2990.2	3033.9
47.5°	3058.2	3058.2	3033.9	3019.3	3033.9	3058.2	3058.2	3033.9	2864.0	2825.2	2849.5
50°	2897.9	2893.2	2859.1	2854.2	2859.1	2893.2	2897.9	2883.4	2703.8	2669.8	2669.8
52.5°	2713.5	2713.5	2718.4	2728.0	2718.4	2713.5	2713.5	2718.4	2558.2	2524.2	2514.5
55°	2553.3	2558.2	2592.1	2601.9	2592.1	2558.2	2553.3	2553.3	2407.7	2373.7	2354.2
57.5°	2388.3	2388.3	2412.6	2412.6	2412.6	2388.3	2388.3	2378.5	2237.8	2208.7	2199.0
60°	2199.0	2208.7	2228.1	2223.2	2228.1	2208.7	2199.0	2189.2	2067.9	2048.5	2014.5
62.5°	2000.0	2009.6	2014.5	2004.8	2014.5	2009.6	2000.0	1970.8	1897.9	1883.4	1839.7
65°	1791.2	1800.9	1805.8	1796.0	1805.8	1800.9	1791.2	1776.6	1723.3	1699.0	1660.1
67.5°	1577.6	1572.7	1567.9	1587.3	1567.9	1572.7	1577.6	1558.2	1524.3	1504.8	1451.4
70°	1359.1	1359.1	1354.4	1364.0	1354.4	1359.1	1359.1	1344.6	1325.2	1310.7	1262.1
72.5°	1126.2	1121.3	1140.7	1126.2	1140.7	1121.3	1126.2	1121.3	1111.6	1097.0	1048.5
75°	898.1	907.7	898.1	912.6	898.1	907.7	898.1	902.8	898.1	888.3	854.4
77.5°	684.4	694.2	684.4	684.4	684.4	694.2	684.4	689.3	689.3	689.3	660.2
80°	485.5	480.6	480.6	475.7	480.6	480.6	485.5	485.5	490.2	480.6	470.8
82.5°	310.7	305.8	305.8	315.5	305.8	305.8	310.7	315.5	305.8	305.8	305.8
85°	169.9	174.8	165.0	165.0	165.0	174.8	169.9	160.2	169.9	169.9	165.0
87.5°	63.1	58.2	58.2	58.2	58.2	58.2	63.1	68.0	68.0	68.0	72.8
90°	10.9	10.9	10.9	10.9	10.9	10.9	10.9	14.5	19.4	21.8	18.7
92.5°	54.6	52.4	43.8	35.1	43.8	52.4	54.6	77.4	107.8	123.0	108.0
95°	185.3	178.7	152.4	126.1	152.4	178.7	185.3	243.4	320.7	359.4	303.6
97.5°	427.8	415.3	365.3	315.2	365.3	415.3	427.8	464.5	513.4	537.9	444.7
100°	600.8	585.9	526.3	466.6	526.3	585.9	600.8	598.1	594.6	592.7	489.4
102.5°	748.4	735.6	684.5	633.5	684.5	735.6	748.4	701.7	639.4	608.2	503.4
105°	920.8	913.9	886.5	859.0	886.5	913.9	920.8	816.0	676.3	606.5	505.0
107.5°	1010.5	1012.1	1018.8	1025.4	1018.8	1012.1	1010.5	864.3	669.4	572.0	482.5
110°	1033.5	1040.6	1069.2	1097.8	1069.2	1040.6	1033.5	870.0	652.2	543.3	462.6



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1018.8	1029.8	1073.7	1117.6	1073.7	1029.8	1018.8	851.6	628.7	517.2	445.2
115°	969.1	984.3	1045.2	1106.1	1045.2	984.3	969.1	808.0	593.2	485.8	425.2
117.5°	900.4	917.4	984.9	1052.4	984.9	917.4	900.4	755.1	561.3	464.3	412.8
120°	854.2	870.6	936.2	1001.8	936.2	870.6	854.2	721.4	544.2	455.6	408.5
122.5°	807.9	824.0	888.9	953.6	888.9	824.0	807.9	688.3	528.8	449.0	406.3
125°	746.7	761.6	821.2	880.8	821.2	761.6	746.7	645.0	509.6	441.9	404.6
127.5°	697.5	710.2	760.5	810.8	760.5	710.2	697.5	610.3	494.0	435.8	403.5
130°	666.6	678.2	724.7	771.2	724.7	678.2	666.6	588.9	485.4	433.5	404.1
132.5°	640.2	650.6	692.2	733.8	692.2	650.6	640.2	570.7	477.9	431.5	404.6
135°	602.8	611.8	647.6	683.5	647.6	611.8	602.8	544.6	466.9	428.1	404.2
137.5°	575.2	582.5	611.9	641.3	611.9	582.5	575.2	525.9	460.3	427.5	406.7
140°	553.1	559.9	587.4	614.8	587.4	559.9	553.1	510.5	453.8	425.5	407.1
142.5°	537.6	543.5	567.1	590.7	567.1	543.5	537.6	500.2	450.4	425.5	408.5
145°	514.2	518.7	536.6	554.5	536.6	518.7	514.2	483.7	443.0	422.6	408.5
147.5°	494.7	498.5	513.3	528.1	513.3	498.5	494.7	470.7	438.7	422.6	411.4
150°	483.5	486.5	498.6	510.5	498.6	486.5	483.5	463.3	436.2	422.6	412.8
152.5°	474.7	476.9	485.9	495.0	485.9	476.9	474.7	457.3	434.2	422.6	413.7
155°	464.0	465.6	471.5	477.5	471.5	465.6	464.0	450.3	431.8	422.6	415.8
157.5°	454.8	455.8	460.1	464.3	460.1	455.8	454.8	444.1	429.8	422.6	418.0
160°	450.2	450.7	453.2	455.6	453.2	450.7	450.2	441.0	428.8	422.6	418.9
162.5°	445.9	446.4	448.7	451.0	448.7	446.4	445.9	438.1	427.8	422.6	420.0
165°	439.3	439.8	442.3	444.7	442.3	439.8	439.3	433.7	426.4	422.6	421.4
167.5°	436.4	436.7	437.6	438.7	437.6	436.7	436.4	432.8	427.9	425.5	424.5
170°	436.4	436.4	436.4	436.4	436.4	436.4	436.4	432.8	427.9	425.5	425.4
172.5°	434.1	433.9	433.0	432.1	433.0	433.9	434.1	431.2	427.4	425.5	425.5
175°	431.0	431.0	431.0	431.0	431.0	431.0	431.0	429.1	426.7	425.5	426.1
177.5°	430.4	430.1	429.1	428.1	429.1	430.1	430.4	428.9	427.0	426.1	426.6
180°	428.1	428.1	428.1	428.1	428.1	428.1	428.1	428.1	428.1	428.1	428.1



TEST NUMBER: P934130

CATALOG NUMBER: SQ4-FA-025U-125D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	5130.9	5130.9	5130.9	5130.9	5130.9
2.5°	5067.8	5092.1	5106.6	5126.1	5174.6
5°	4873.6	4965.9	4995.0	5067.8	5155.1
7.5°	4446.5	4728.0	4805.6	4980.4	5116.3
10°	4033.9	4315.4	4451.3	4864.0	5067.8
12.5°	3825.2	3990.2	4082.4	4660.0	4999.8
15°	3694.1	3810.5	3878.5	4388.2	4922.2
17.5°	3592.1	3674.6	3723.2	4121.2	4815.4
20°	3529.0	3567.8	3611.5	3927.1	4694.0
22.5°	3485.3	3461.0	3495.1	3791.1	4529.0
25°	3456.2	3364.0	3402.8	3684.3	4334.8
27.5°	3480.4	3276.6	3291.1	3587.3	4130.9
30°	3485.3	3169.8	3174.7	3485.3	3902.8
32.5°	3451.4	3058.2	3063.0	3359.1	3645.5
35°	3368.9	2927.1	2922.2	3213.5	3296.0
37.5°	3257.2	2786.3	2786.3	3053.3	2912.6
40°	3121.3	2645.5	2660.1	2844.6	2572.7
42.5°	2956.2	2495.1	2514.5	2567.9	2320.3
45°	2776.6	2349.5	2364.0	2169.8	2126.1
47.5°	2577.6	2199.0	2203.8	1800.9	2063.1
50°	2339.7	2043.6	2024.2	1543.7	2058.2
52.5°	2131.0	1873.8	1815.4	1398.0	1868.9
55°	1927.1	1694.1	1567.9	1286.4	1732.9
57.5°	1747.5	1461.2	1339.7	1155.3	1703.8
60°	1582.5	1233.0	1140.7	1014.5	1563.1
62.5°	1446.5	1063.1	1043.7	917.5	1417.5
65°	1300.9	946.5	941.8	834.9	1203.8
67.5°	1160.1	868.9	864.0	757.2	917.5
70°	1009.6	786.4	776.7	674.7	679.6
72.5°	854.4	694.2	684.4	606.8	563.1
75°	699.0	587.4	582.5	529.1	456.3
77.5°	548.6	466.0	475.7	427.1	335.0
80°	393.2	339.8	349.5	305.8	252.4
82.5°	262.1	223.3	233.0	194.2	169.9
85°	145.6	126.2	131.1	101.9	77.6
87.5°	68.0	58.2	58.2	38.8	24.3
90°	12.6	8.0	7.5	5.2	2.9
92.5°	77.9	55.5	50.6	31.0	11.5
95°	191.8	108.0	99.1	63.3	27.5
97.5°	258.4	118.7	110.8	79.3	47.7
100°	282.7	127.6	120.4	91.8	63.2
102.5°	293.7	136.4	129.8	103.1	76.4
105°	302.0	149.6	144.0	121.4	98.9
107.5°	303.5	169.2	164.0	142.9	121.8
110°	301.2	180.1	175.4	156.3	137.3



TEST NUMBER: P934130

CATALOG NUMBER: SQ4-FA-025U-125D-92765-1D-UNV-STD-W-12-6500K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	301.3	193.3	188.8	170.7	152.6
115°	304.1	213.2	209.0	192.3	175.6
117.5°	309.7	232.5	228.6	213.4	198.2
120°	314.3	243.6	240.1	225.8	211.4
122.5°	320.9	256.8	253.2	238.9	224.4
125°	329.9	273.9	270.6	257.4	244.2
127.5°	338.8	290.2	286.9	273.6	260.3
130°	345.3	301.1	297.6	283.2	268.9
132.5°	350.5	310.0	306.5	292.1	277.9
135°	356.3	320.3	317.1	304.1	291.1
137.5°	364.9	333.5	330.3	317.5	304.5
140°	370.1	342.5	339.5	327.6	315.7
142.5°	374.5	349.1	346.3	335.3	324.3
145°	380.3	359.1	356.8	347.2	337.6
147.5°	388.7	371.8	369.5	360.1	350.8
150°	393.1	378.4	376.3	367.8	359.4
152.5°	396.0	382.7	381.0	374.7	368.3
155°	402.3	392.1	391.0	386.2	381.5
157.5°	408.7	401.7	400.5	395.9	391.3
160°	411.5	406.0	405.1	401.5	398.0
162.5°	414.6	410.6	409.9	407.2	404.6
165°	419.0	417.2	416.6	414.1	411.7
167.5°	422.4	420.9	420.6	419.5	418.3
170°	425.3	425.2	424.9	423.8	422.6
172.5°	425.5	425.5	425.4	425.2	424.9
175°	427.2	428.1	428.1	428.1	428.1
177.5°	427.4	428.1	428.1	428.1	428.1
180°	428.1	428.1	428.1	428.1	428.1



TEST NUMBER: P934130
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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	17.03	18.29	17.64	18.91	19.62	19.88	21.14	20.49	21.76	22.47
	3H	17.53	18.67	18.16	19.30	20.05	21.26	22.39	21.89	23.03	23.78
	4H	17.74	18.81	18.39	19.46	20.22	21.73	22.79	22.37	23.44	24.20
	6H	17.88	18.87	18.54	19.53	20.30	22.04	23.02	22.70	23.68	24.46
	8H	17.89	18.83	18.57	19.51	20.29	22.13	23.07	22.80	23.75	24.52
	12H	17.88	18.78	18.56	19.45	20.26	22.18	23.08	22.86	23.75	24.56
4H	2H	18.11	19.18	18.76	19.83	20.59	20.33	21.40	20.98	22.05	22.81
	3H	19.18	20.07	19.84	20.75	21.53	21.88	22.77	22.55	23.46	24.24
	4H	19.47	20.27	20.15	20.97	21.78	22.43	23.24	23.11	23.93	24.74
	6H	19.61	20.32	20.32	21.03	21.85	22.82	23.52	23.53	24.24	25.06
	8H	19.63	20.28	20.34	21.00	21.83	22.94	23.60	23.65	24.31	25.14
	12H	19.62	20.20	20.34	20.94	21.78	23.02	23.61	23.75	24.35	25.19
8H	4H	19.96	20.61	20.66	21.32	22.16	22.59	23.24	23.29	23.95	24.79
	6H	20.23	20.78	20.97	21.53	22.37	23.04	23.59	23.78	24.34	25.18
	8H	20.28	20.76	21.03	21.52	22.37	23.20	23.69	23.95	24.45	25.30
	12H	20.28	20.71	21.03	21.46	22.37	23.32	23.75	24.08	24.50	25.41
12H	4H	19.98	20.57	20.71	21.31	22.15	22.57	23.16	23.30	23.90	24.73
	6H	20.30	20.78	21.05	21.54	22.39	23.04	23.53	23.79	24.29	25.14
	8H	20.38	20.81	21.13	21.56	22.47	23.23	23.66	23.98	24.40	25.32