

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: P934117

Luminaire Tested: SQ4-FA-025U-125D-840-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934117
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-840-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

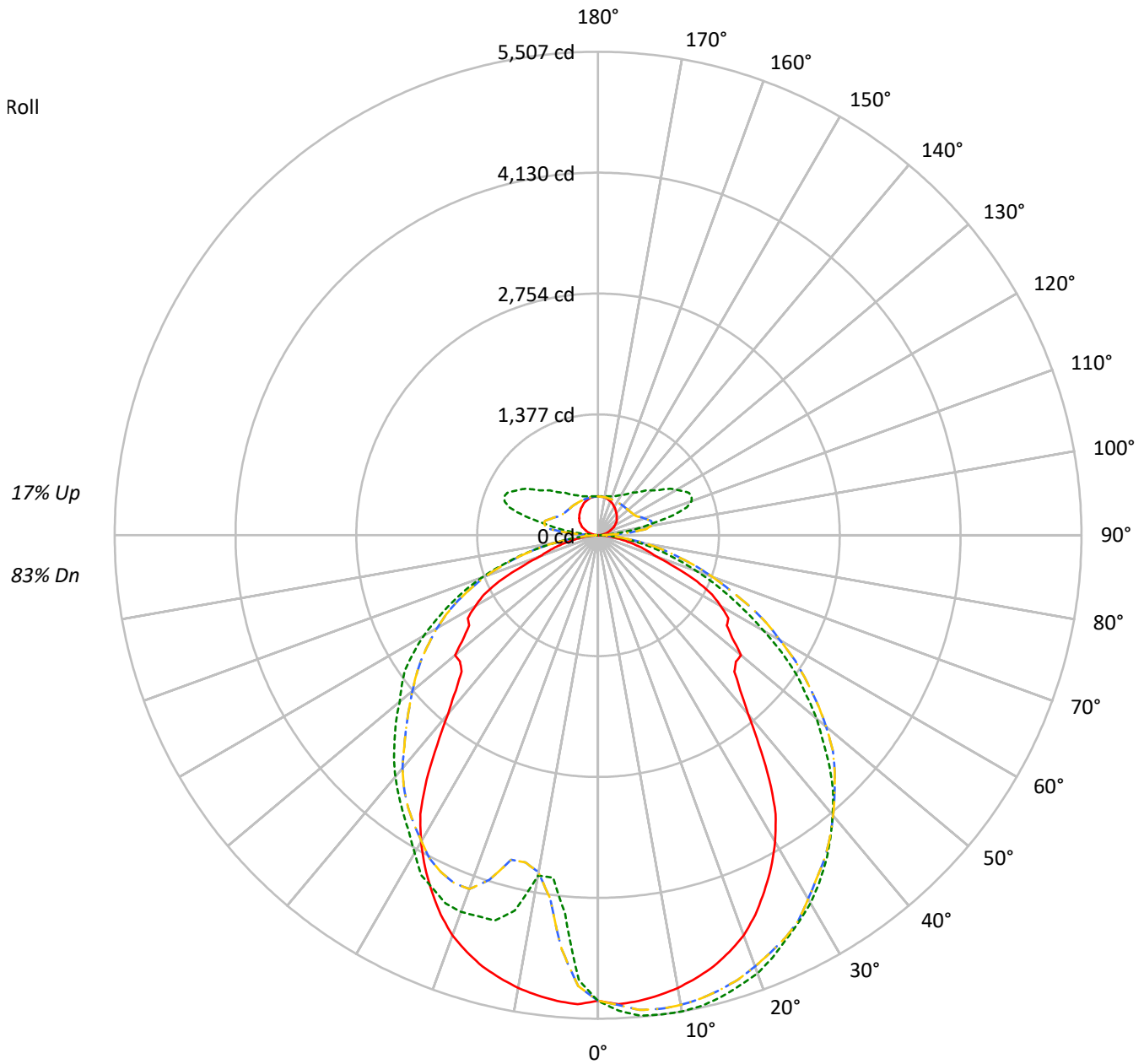
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16615.2 lumens
Efficiency: N/A
Efficacy: 111.7 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

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	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°	16398	16398	16398	16398
5°	16526	16553	16526	13016
10°	16422	16306	16422	11657
15°	16250	15952	16250	13321
20°	15917	15534	15917	13348
25°	15227	14923	15227	13065
30°	14334	14417	14334	12445
35°	12785	13776	12785	11762
40°	10659	13021	10659	11246
45°	9530	12138	9530	10653
50°	10133	11084	10133	10058
55°	9542	9950	9542	9714
60°	9849	8450	9849	8897
65°	8944	6985	8944	7808
70°	6208	5567	6208	6545
75°	5465	4115	5465	4927
80°	4436	2720	4436	2962
85°	2599	1441	2599	1225

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14597 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	478.6	2.9
10°-20°	1358.8	8.2
20°-30°	2100.4	12.6
30°-40°	2507.4	15.1
40°-50°	2522.1	15.2
50°-60°	2194.6	13.2
60°-70°	1556.0	9.4
70°-80°	823.2	5.0
80°-90°	206.7	1.2
90°-100°	215.6	1.3
100°-110°	566.9	3.4
110°-120°	587.8	3.5
120°-130°	471.5	2.8
130°-140°	369.9	2.2
140°-150°	283.9	1.7
150°-160°	204.5	1.2
160°-170°	125.1	0.8
170°-180°	42.3	0.3
0°-30°	3937.7	23.7
0°-40°	6445.2	38.8
0°-60°	11161.9	67.2
0°-90°	13747.7	82.7
90°-120°	1370.3	8.2
90°-150°	2495.6	15.0
90°-180°	2867.0	17.3
0°-180°	16615.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5302	5302	5302	5302	5302	
5°	5327	5492	5327	4318	5327	505
15°	5086	5442	5086	4544	5086	1431
25°	4479	5076	4479	4444	4479	2057
35°	3406	4529	3406	3867	3406	2107
45°	2197	3732	2197	3275	2197	1760
55°	1791	2754	1791	2688	1791	1645
65°	1244	1660	1244	1856	1244	1189
75°	472	787	472	943	472	496
85°	80	201	80	170	80	108
90°	3	11	3	11	3	6
95°	28	130	28	130	28	32
105°	102	888	102	888	102	108
115°	181	1143	181	1143	181	179
125°	252	910	252	910	252	224
135°	301	706	301	706	301	233
145°	349	573	349	573	349	219
155°	394	493	394	493	394	181
165°	425	460	425	460	425	120
175°	442	445	442	445	442	42
180°	442	442	442	442	442	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6
2.5°	5346.8	5346.8	5376.8	5386.9	5386.9	5371.8	5356.7	5371.8	5416.9	5432.0	5427.0
5°	5326.6	5366.8	5421.9	5432.0	5442.0	5437.0	5427.0	5437.0	5487.2	5497.2	5502.2
7.5°	5286.5	5361.8	5432.0	5447.0	5462.1	5447.0	5442.0	5452.1	5502.2	5512.2	5512.2
10°	5236.4	5341.7	5421.9	5432.0	5447.0	5432.0	5432.0	5452.1	5502.2	5512.2	5517.3
12.5°	5166.2	5311.6	5386.9	5396.9	5416.9	5411.9	5406.9	5427.0	5477.1	5487.2	5487.2
15°	5085.9	5256.5	5326.6	5336.7	5371.8	5361.8	5361.8	5381.8	5437.0	5452.1	5447.0
17.5°	4975.6	5186.2	5266.4	5281.6	5306.5	5301.6	5306.5	5326.6	5376.8	5386.9	5391.8
20°	4850.2	5090.9	5186.2	5201.2	5226.3	5226.3	5226.3	5251.4	5301.6	5321.7	5321.7
22.5°	4679.7	4990.6	5090.9	5100.9	5131.1	5131.1	5141.1	5176.1	5221.3	5226.3	5226.3
25°	4479.0	4880.2	4965.5	4995.6	5025.8	5040.8	5055.8	5075.8	5090.9	5085.9	5090.9
27.5°	4268.4	4739.8	4850.2	4870.2	4910.4	4925.4	4945.4	4950.5	4955.5	4970.5	4960.6
30°	4032.6	4544.2	4709.7	4729.8	4795.0	4805.0	4785.0	4795.0	4820.1	4830.1	4840.1
32.5°	3766.8	4253.3	4564.3	4609.4	4669.6	4639.5	4634.5	4649.5	4689.6	4689.6	4699.7
35°	3405.6	4027.6	4428.8	4468.9	4514.1	4479.0	4499.1	4504.1	4529.2	4544.2	4539.2
37.5°	3009.4	3832.0	4288.4	4318.5	4353.6	4308.5	4338.6	4353.6	4373.7	4363.6	4363.6
40°	2658.3	3526.0	4122.9	4143.0	4173.0	4137.9	4168.1	4178.1	4188.1	4178.1	4173.0
42.5°	2397.5	3190.0	3947.4	3972.5	3952.4	3977.4	3987.5	4007.5	3992.5	3972.5	3972.5
45°	2196.8	3099.7	3756.8	3786.8	3756.8	3796.9	3811.9	3811.9	3766.8	3756.8	3751.7
47.5°	2131.7	2919.1	3566.2	3566.2	3551.1	3601.3	3626.4	3591.2	3546.1	3531.0	3531.0
50°	2126.7	2718.5	3305.4	3285.3	3355.4	3415.7	3390.6	3355.4	3320.4	3265.2	3265.2
52.5°	1931.0	2472.8	2969.2	3044.5	3154.9	3190.0	3149.8	3114.8	3054.5	3029.5	3009.4
55°	1790.6	2217.0	2663.4	2813.8	2929.1	2974.3	2899.1	2863.9	2773.7	2758.6	2748.6
57.5°	1760.5	1845.8	2382.5	2573.0	2713.4	2708.5	2663.4	2598.1	2522.9	2507.8	2502.8
60°	1615.1	1334.2	2081.5	2307.2	2452.7	2437.6	2397.5	2337.3	2267.1	2257.1	2247.0
62.5°	1464.6	968.0	1740.5	1996.3	2201.9	2196.8	2161.7	2071.4	2021.3	1996.3	1976.2
65°	1243.9	812.5	1238.9	1660.2	1956.1	1966.1	1890.9	1825.7	1770.5	1740.5	1735.4
67.5°	948.0	662.1	837.6	1384.3	1720.4	1710.3	1615.1	1584.9	1514.7	1499.7	1469.6
70°	702.2	441.3	581.8	1123.6	1489.6	1464.6	1389.3	1354.3	1289.0	1253.9	1233.8
72.5°	581.8	356.1	426.3	872.7	1253.9	1223.8	1158.6	1118.5	1063.3	1033.3	1013.2
75°	471.5	376.1	326.0	647.0	1018.1	998.1	937.9	897.8	852.6	812.5	817.6
77.5°	346.1	351.1	260.8	476.5	807.5	777.5	742.3	692.2	672.1	632.0	632.0
80°	260.8	275.8	195.6	326.0	581.8	581.8	551.7	516.6	481.6	461.4	461.4
82.5°	175.6	175.6	145.4	205.6	396.3	381.2	361.1	351.1	331.1	321.0	321.0
85°	80.2	100.3	90.3	125.4	215.7	225.7	225.7	215.7	210.6	200.7	205.6
87.5°	25.1	45.2	55.1	70.2	110.4	115.4	120.3	120.3	120.3	125.4	125.4
90°	3.0	5.3	7.7	8.3	13.0	19.4	22.5	20.1	15.0	11.3	11.3
92.5°	11.9	32.0	52.3	57.3	80.5	111.5	127.1	111.3	79.9	56.4	54.1
95°	28.5	65.4	102.4	111.6	198.2	313.7	371.4	331.4	251.4	191.5	184.7
97.5°	49.3	81.9	114.5	122.6	267.0	459.5	555.8	530.5	480.0	442.0	429.1
100°	65.3	94.8	124.4	131.8	292.1	505.7	612.5	614.3	618.0	620.8	605.3
102.5°	78.9	106.5	134.1	141.0	303.5	520.2	628.5	660.7	725.0	773.3	760.1
105°	102.2	125.5	148.8	154.6	312.0	521.8	626.7	698.8	843.2	951.4	944.3
107.5°	125.9	147.6	169.4	174.9	313.6	498.5	591.0	691.7	893.1	1044.1	1045.8
110°	141.9	161.5	181.2	186.1	311.2	478.0	561.4	673.9	899.0	1067.8	1075.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	157.7	176.4	195.1	199.8	311.3	460.0	534.4	649.6	879.9	1052.7	1064.1
115°	181.4	198.7	216.0	220.3	314.2	439.4	502.0	613.0	834.9	1001.3	1017.0
117.5°	204.8	220.5	236.2	240.2	320.0	426.5	479.8	580.0	780.2	930.4	947.9
120°	218.4	233.3	248.1	251.7	324.8	422.1	470.8	562.3	745.3	882.6	899.6
122.5°	231.9	246.8	261.6	265.4	331.6	419.8	464.0	546.4	711.2	834.8	851.5
125°	252.3	266.0	279.6	283.0	340.9	418.0	456.6	526.5	666.5	771.5	786.9
127.5°	268.9	282.7	296.4	299.9	350.0	416.9	450.3	510.4	630.6	720.7	733.8
130°	277.8	292.6	307.5	311.1	356.8	417.5	448.0	501.5	608.5	688.7	700.8
132.5°	287.1	301.8	316.7	320.3	362.2	418.0	445.9	493.8	589.6	661.5	672.2
135°	300.7	314.2	327.6	331.0	368.1	417.6	442.3	482.4	562.7	622.8	632.1
137.5°	314.7	328.0	341.3	344.6	377.0	420.2	441.7	475.6	543.4	594.3	601.9
140°	326.2	338.5	350.8	353.9	382.5	420.6	439.7	468.9	527.5	571.5	578.6
142.5°	335.1	346.5	357.9	360.7	387.0	422.1	439.7	465.3	516.8	555.5	561.6
145°	348.9	358.7	368.6	371.1	392.9	422.1	436.7	457.7	499.8	531.3	536.0
147.5°	362.5	372.1	381.8	384.1	401.6	425.0	436.7	453.3	486.4	511.2	515.0
150°	371.4	380.1	388.8	391.0	406.2	426.5	436.7	450.7	478.7	499.6	502.7
152.5°	380.6	387.2	393.7	395.4	409.1	427.5	436.7	448.7	472.6	490.4	492.8
155°	394.2	399.1	404.0	405.2	415.7	429.7	436.7	446.2	465.2	479.5	481.1
157.5°	404.3	409.0	413.9	415.1	422.3	431.9	436.7	444.1	458.8	469.9	471.0
160°	411.2	414.9	418.6	419.5	425.2	432.8	436.7	443.0	455.7	465.2	465.7
162.5°	418.0	420.8	423.6	424.2	428.4	433.9	436.7	442.0	452.7	460.7	461.3
165°	425.4	427.9	430.5	431.1	432.9	435.4	436.7	440.5	448.2	453.9	454.5
167.5°	432.2	433.4	434.6	434.9	436.5	438.6	439.7	442.1	447.2	450.9	451.2
170°	436.7	437.9	439.1	439.4	439.5	439.6	439.7	442.1	447.2	450.9	450.9
172.5°	439.1	439.4	439.6	439.7	439.7	439.7	439.7	441.6	445.6	448.6	448.4
175°	442.3	442.3	442.3	442.3	441.4	440.3	439.7	440.9	443.4	445.3	445.3
177.5°	442.3	442.3	442.3	442.3	441.6	440.7	440.3	441.2	443.2	444.7	444.4
180°	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6
2.5°	5437.0	5421.9	5437.0	5427.0	5432.0	5416.9	5371.8	5356.7	5371.8	5386.9	5386.9
5°	5502.2	5492.2	5502.2	5502.2	5497.2	5487.2	5437.0	5427.0	5437.0	5442.0	5432.0
7.5°	5522.2	5507.2	5522.2	5512.2	5512.2	5502.2	5452.1	5442.0	5447.0	5462.1	5447.0
10°	5522.2	5507.2	5522.2	5517.3	5512.2	5502.2	5452.1	5432.0	5432.0	5447.0	5432.0
12.5°	5497.2	5487.2	5497.2	5487.2	5487.2	5477.1	5427.0	5406.9	5411.9	5416.9	5396.9
15°	5457.0	5442.0	5457.0	5447.0	5452.1	5437.0	5381.8	5361.8	5361.8	5371.8	5336.7
17.5°	5396.9	5376.8	5396.9	5391.8	5386.9	5376.8	5326.6	5306.5	5301.6	5306.5	5281.6
20°	5326.6	5311.6	5326.6	5321.7	5321.7	5301.6	5251.4	5226.3	5226.3	5226.3	5201.2
22.5°	5216.3	5201.2	5216.3	5226.3	5226.3	5221.3	5176.1	5141.1	5131.1	5131.1	5100.9
25°	5090.9	5075.8	5090.9	5090.9	5085.9	5090.9	5075.8	5055.8	5040.8	5025.8	4995.6
27.5°	4970.5	4960.6	4970.5	4960.6	4970.5	4955.5	4950.5	4945.4	4925.4	4910.4	4870.2
30°	4850.2	4840.1	4850.2	4840.1	4830.1	4820.1	4795.0	4785.0	4805.0	4795.0	4729.8
32.5°	4699.7	4689.6	4699.7	4699.7	4689.6	4689.6	4649.5	4634.5	4639.5	4669.6	4609.4
35°	4544.2	4529.2	4544.2	4539.2	4544.2	4529.2	4504.1	4499.1	4479.0	4514.1	4468.9
37.5°	4363.6	4348.6	4363.6	4363.6	4363.6	4373.7	4353.6	4338.6	4308.5	4353.6	4318.5
40°	4178.1	4158.0	4178.1	4173.0	4178.1	4188.1	4178.1	4168.1	4137.9	4173.0	4143.0
42.5°	3967.4	3962.4	3967.4	3972.5	3972.5	3992.5	4007.5	3987.5	3977.4	3952.4	3972.5
45°	3741.7	3731.7	3741.7	3751.7	3756.8	3766.8	3811.9	3811.9	3796.9	3756.8	3786.8
47.5°	3501.0	3475.9	3501.0	3531.0	3531.0	3546.1	3591.2	3626.4	3601.3	3551.1	3566.2
50°	3245.2	3250.1	3245.2	3265.2	3265.2	3320.4	3355.4	3390.6	3415.7	3355.4	3285.3
52.5°	2994.3	2989.4	2994.3	3009.4	3029.5	3054.5	3114.8	3149.8	3190.0	3154.9	3044.5
55°	2743.6	2753.7	2743.6	2748.6	2758.6	2773.7	2863.9	2899.1	2974.3	2929.1	2813.8
57.5°	2492.8	2477.7	2492.8	2502.8	2507.8	2522.9	2598.1	2663.4	2708.5	2713.4	2573.0
60°	2201.9	2181.8	2201.9	2247.0	2257.1	2267.1	2337.3	2397.5	2437.6	2452.7	2307.2
62.5°	1946.1	1911.0	1946.1	1976.2	1996.3	2021.3	2071.4	2161.7	2196.8	2201.9	1996.3
65°	1675.3	1660.2	1675.3	1735.4	1740.5	1770.5	1825.7	1890.9	1966.1	1956.1	1660.2
67.5°	1429.4	1429.4	1429.4	1469.6	1499.7	1514.7	1584.9	1615.1	1710.3	1720.4	1384.3
70°	1203.8	1198.7	1203.8	1233.8	1253.9	1289.0	1354.3	1389.3	1464.6	1489.6	1123.6
72.5°	988.1	983.1	988.1	1013.2	1033.3	1063.3	1118.5	1158.6	1223.8	1253.9	872.7
75°	797.5	787.4	797.5	817.6	812.5	852.6	897.8	937.9	998.1	1018.1	647.0
77.5°	611.9	611.9	611.9	632.0	632.0	672.1	692.2	742.3	777.5	807.5	476.5
80°	456.5	451.4	456.5	461.4	461.4	481.6	516.6	551.7	581.8	581.8	326.0
82.5°	321.0	310.9	321.0	321.0	321.0	331.1	351.1	361.1	381.2	396.3	205.6
85°	200.7	200.7	200.7	205.6	200.7	210.6	215.7	225.7	225.7	215.7	125.4
87.5°	130.4	125.4	130.4	125.4	125.4	120.3	120.3	120.3	115.4	110.4	70.2
90°	11.3	11.3	11.3	11.3	11.3	15.0	20.1	22.5	19.4	13.0	8.3
92.5°	45.3	36.3	45.3	54.1	56.4	79.9	111.3	127.1	111.5	80.5	57.3
95°	157.5	130.3	157.5	184.7	191.5	251.4	331.4	371.4	313.7	198.2	111.6
97.5°	377.4	325.6	377.4	429.1	442.0	480.0	530.5	555.8	459.5	267.0	122.6
100°	543.8	482.1	543.8	605.3	620.8	618.0	614.3	612.5	505.7	292.1	131.8
102.5°	707.3	654.6	707.3	760.1	773.3	725.0	660.7	628.5	520.2	303.5	141.0
105°	916.0	887.6	916.0	944.3	951.4	843.2	698.8	626.7	521.8	312.0	154.6
107.5°	1052.7	1059.5	1052.7	1045.8	1044.1	893.1	691.7	591.0	498.5	313.6	174.9
110°	1104.8	1134.3	1104.8	1075.2	1067.8	899.0	673.9	561.4	478.0	311.2	186.1



TEST NUMBER: P934117

CATALOG NUMBER: SQ4-FA-025U-125D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1109.4	1154.8	1109.4	1064.1	1052.7	879.9	649.6	534.4	460.0	311.3	199.8
115°	1080.0	1142.9	1080.0	1017.0	1001.3	834.9	613.0	502.0	439.4	314.2	220.3
117.5°	1017.6	1087.4	1017.6	947.9	930.4	780.2	580.0	479.8	426.5	320.0	240.2
120°	967.4	1035.1	967.4	899.6	882.6	745.3	562.3	470.8	422.1	324.8	251.7
122.5°	918.4	985.3	918.4	851.5	834.8	711.2	546.4	464.0	419.8	331.6	265.4
125°	848.5	910.1	848.5	786.9	771.5	666.5	526.5	456.6	418.0	340.9	283.0
127.5°	785.8	837.7	785.8	733.8	720.7	630.6	510.4	450.3	416.9	350.0	299.9
130°	748.8	796.8	748.8	700.8	688.7	608.5	501.5	448.0	417.5	356.8	311.1
132.5°	715.2	758.2	715.2	672.2	661.5	589.6	493.8	445.9	418.0	362.2	320.3
135°	669.2	706.2	669.2	632.1	622.8	562.7	482.4	442.3	417.6	368.1	331.0
137.5°	632.2	662.7	632.2	601.9	594.3	543.4	475.6	441.7	420.2	377.0	344.6
140°	606.9	635.3	606.9	578.6	571.5	527.5	468.9	439.7	420.6	382.5	353.9
142.5°	586.0	610.4	586.0	561.6	555.5	516.8	465.3	439.7	422.1	387.0	360.7
145°	554.5	572.9	554.5	536.0	531.3	499.8	457.7	436.7	422.1	392.9	371.1
147.5°	530.4	545.7	530.4	515.0	511.2	486.4	453.3	436.7	425.0	401.6	384.1
150°	515.1	527.5	515.1	502.7	499.6	478.7	450.7	436.7	426.5	406.2	391.0
152.5°	502.1	511.5	502.1	492.8	490.4	472.6	448.7	436.7	427.5	409.1	395.4
155°	487.2	493.4	487.2	481.1	479.5	465.2	446.2	436.7	429.7	415.7	405.2
157.5°	475.4	479.8	475.4	471.0	469.9	458.8	444.1	436.7	431.9	422.3	415.1
160°	468.3	470.8	468.3	465.7	465.2	455.7	443.0	436.7	432.8	425.2	419.5
162.5°	463.7	466.0	463.7	461.3	460.7	452.7	442.0	436.7	433.9	428.4	424.2
165°	457.0	459.5	457.0	454.5	453.9	448.2	440.5	436.7	435.4	432.9	431.1
167.5°	452.2	453.3	452.2	451.2	450.9	447.2	442.1	439.7	438.6	436.5	434.9
170°	450.9	450.9	450.9	450.9	450.9	447.2	442.1	439.7	439.6	439.5	439.4
172.5°	447.4	446.5	447.4	448.4	448.6	445.6	441.6	439.7	439.7	439.7	439.7
175°	445.3	445.3	445.3	445.3	445.3	443.4	440.9	439.7	440.3	441.4	442.3
177.5°	443.4	442.3	443.4	444.4	444.7	443.2	441.2	440.3	440.7	441.6	442.3
180°	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3



TEST NUMBER: P934117

CATALOG NUMBER: SQ4-FA-025U-125D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6
2.5°	5376.8	5346.8	5346.8	5296.6	5276.5	5261.5	5236.4	5161.1	5141.1	5121.0	5151.1
5°	5421.9	5366.8	5326.6	5236.4	5161.1	5131.1	5035.7	4855.1	4734.8	4644.5	4594.4
7.5°	5432.0	5361.8	5286.5	5146.1	4965.5	4885.3	4594.4	4263.3	4173.0	4092.8	4042.6
10°	5421.9	5341.7	5236.4	5025.8	4599.3	4458.9	4168.1	3952.4	3897.2	3882.1	3897.2
12.5°	5386.9	5311.6	5166.2	4815.0	4218.2	4122.9	3952.4	3826.9	3816.9	3842.0	3977.4
15°	5326.6	5256.5	5085.9	4534.1	4007.5	3937.3	3816.9	3771.8	3826.9	4002.5	4408.8
17.5°	5266.4	5186.2	4975.6	4258.3	3847.1	3796.9	3711.6	3801.9	4112.8	4348.6	4484.0
20°	5186.2	5090.9	4850.2	4057.7	3731.7	3686.5	3646.4	4052.7	4288.4	4373.7	4448.9
22.5°	5090.9	4990.6	4679.7	3917.2	3611.3	3576.2	3601.3	4193.1	4288.4	4348.6	4413.8
25°	4965.5	4880.2	4479.0	3806.9	3516.0	3475.9	3571.1	4178.1	4233.2	4248.3	4378.7
27.5°	4850.2	4739.8	4268.4	3706.6	3400.6	3385.6	3596.2	4112.8	4153.0	4168.1	4308.5
30°	4709.7	4544.2	4032.6	3601.3	3280.3	3275.2	3601.3	4032.6	4022.5	4062.7	4203.1
32.5°	4564.3	4253.3	3766.8	3470.8	3164.9	3159.9	3566.2	3912.2	3902.2	3957.3	4062.7
35°	4428.8	4027.6	3405.6	3320.4	3019.4	3024.5	3480.9	3771.8	3776.8	3826.9	3892.1
37.5°	4288.4	3832.0	3009.4	3154.9	2879.0	2879.0	3365.5	3641.4	3631.4	3646.4	3736.7
40°	4122.9	3526.0	2658.3	2939.2	2748.6	2733.5	3225.1	3501.0	3465.8	3460.9	3586.2
42.5°	3947.4	3190.0	2397.5	2653.3	2598.1	2578.1	3054.5	3330.4	3265.2	3280.3	3440.7
45°	3756.8	3099.7	2196.8	2242.0	2442.6	2427.6	2869.0	3134.8	3089.7	3129.8	3295.3
47.5°	3566.2	2919.1	2131.7	1860.8	2277.1	2272.1	2663.4	2944.2	2919.1	2959.3	3134.8
50°	3305.4	2718.5	2126.7	1595.0	2091.5	2111.6	2417.5	2758.6	2758.6	2793.8	2979.3
52.5°	2969.2	2472.8	1931.0	1444.6	1875.8	1936.1	2201.9	2598.1	2608.1	2643.3	2808.8
55°	2663.4	2217.0	1790.6	1329.2	1620.0	1750.4	1991.2	2432.6	2452.7	2487.8	2638.3
57.5°	2382.5	1845.8	1760.5	1193.7	1384.3	1509.8	1805.7	2272.1	2282.2	2312.2	2457.6
60°	2081.5	1334.2	1615.1	1048.3	1178.7	1274.0	1635.1	2081.5	2116.6	2136.6	2262.0
62.5°	1740.5	968.0	1464.6	948.0	1078.4	1098.5	1494.6	1900.9	1946.1	1961.1	2036.4
65°	1238.9	812.5	1243.9	862.7	973.1	978.0	1344.2	1715.4	1755.5	1780.6	1835.7
67.5°	837.6	662.1	948.0	782.4	892.8	897.8	1198.7	1499.7	1554.8	1575.0	1610.0
70°	581.8	441.3	702.2	697.1	802.6	812.5	1043.2	1304.1	1354.3	1369.3	1389.3
72.5°	426.3	356.1	581.8	627.0	707.2	717.3	882.8	1083.3	1133.5	1148.6	1158.6
75°	326.0	376.1	471.5	546.7	601.9	606.9	722.2	882.8	917.9	927.9	932.9
77.5°	260.8	351.1	346.1	441.3	491.5	481.6	566.8	682.1	712.2	712.2	712.2
80°	195.6	275.8	260.8	316.0	361.1	351.1	406.3	486.5	496.6	506.5	501.6
82.5°	145.4	175.6	175.6	200.7	240.8	230.7	270.8	316.0	316.0	316.0	326.0
85°	90.3	100.3	80.2	105.3	135.5	130.4	150.5	170.5	175.6	175.6	165.5
87.5°	55.1	45.2	25.1	40.1	60.2	60.2	70.2	75.2	70.2	70.2	70.2
90°	7.7	5.3	3.0	5.3	7.7	8.3	13.0	19.4	22.5	20.1	15.0
92.5°	52.3	32.0	11.9	32.0	52.3	57.3	80.5	111.5	127.1	111.3	79.9
95°	102.4	65.4	28.5	65.4	102.4	111.6	198.2	313.7	371.4	331.4	251.4
97.5°	114.5	81.9	49.3	81.9	114.5	122.6	267.0	459.5	555.8	530.5	480.0
100°	124.4	94.8	65.3	94.8	124.4	131.8	292.1	505.7	612.5	614.3	618.0
102.5°	134.1	106.5	78.9	106.5	134.1	141.0	303.5	520.2	628.5	660.7	725.0
105°	148.8	125.5	102.2	125.5	148.8	154.6	312.0	521.8	626.7	698.8	843.2
107.5°	169.4	147.6	125.9	147.6	169.4	174.9	313.6	498.5	591.0	691.7	893.1
110°	181.2	161.5	141.9	161.5	181.2	186.1	311.2	478.0	561.4	673.9	899.0



TEST NUMBER: P934117

CATALOG NUMBER: SQ4-FA-025U-125D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	195.1	176.4	157.7	176.4	195.1	199.8	311.3	460.0	534.4	649.6	879.9
115°	216.0	198.7	181.4	198.7	216.0	220.3	314.2	439.4	502.0	613.0	834.9
117.5°	236.2	220.5	204.8	220.5	236.2	240.2	320.0	426.5	479.8	580.0	780.2
120°	248.1	233.3	218.4	233.3	248.1	251.7	324.8	422.1	470.8	562.3	745.3
122.5°	261.6	246.8	231.9	246.8	261.6	265.4	331.6	419.8	464.0	546.4	711.2
125°	279.6	266.0	252.3	266.0	279.6	283.0	340.9	418.0	456.6	526.5	666.5
127.5°	296.4	282.7	268.9	282.7	296.4	299.9	350.0	416.9	450.3	510.4	630.6
130°	307.5	292.6	277.8	292.6	307.5	311.1	356.8	417.5	448.0	501.5	608.5
132.5°	316.7	301.8	287.1	301.8	316.7	320.3	362.2	418.0	445.9	493.8	589.6
135°	327.6	314.2	300.7	314.2	327.6	331.0	368.1	417.6	442.3	482.4	562.7
137.5°	341.3	328.0	314.7	328.0	341.3	344.6	377.0	420.2	441.7	475.6	543.4
140°	350.8	338.5	326.2	338.5	350.8	353.9	382.5	420.6	439.7	468.9	527.5
142.5°	357.9	346.5	335.1	346.5	357.9	360.7	387.0	422.1	439.7	465.3	516.8
145°	368.6	358.7	348.9	358.7	368.6	371.1	392.9	422.1	436.7	457.7	499.8
147.5°	381.8	372.1	362.5	372.1	381.8	384.1	401.6	425.0	436.7	453.3	486.4
150°	388.8	380.1	371.4	380.1	388.8	391.0	406.2	426.5	436.7	450.7	478.7
152.5°	393.7	387.2	380.6	387.2	393.7	395.4	409.1	427.5	436.7	448.7	472.6
155°	404.0	399.1	394.2	399.1	404.0	405.2	415.7	429.7	436.7	446.2	465.2
157.5°	413.9	409.0	404.3	409.0	413.9	415.1	422.3	431.9	436.7	444.1	458.8
160°	418.6	414.9	411.2	414.9	418.6	419.5	425.2	432.8	436.7	443.0	455.7
162.5°	423.6	420.8	418.0	420.8	423.6	424.2	428.4	433.9	436.7	442.0	452.7
165°	430.5	427.9	425.4	427.9	430.5	431.1	432.9	435.4	436.7	440.5	448.2
167.5°	434.6	433.4	432.2	433.4	434.6	434.9	436.5	438.6	439.7	442.1	447.2
170°	439.1	437.9	436.7	437.9	439.1	439.4	439.5	439.6	439.7	442.1	447.2
172.5°	439.6	439.4	439.1	439.4	439.6	439.7	439.7	439.7	439.7	441.6	445.6
175°	442.3	442.3	442.3	442.3	442.3	442.3	441.4	440.3	439.7	440.9	443.4
177.5°	442.3	442.3	442.3	442.3	442.3	442.3	441.6	440.7	440.3	441.2	443.2
180°	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3



TEST NUMBER: P934117

CATALOG NUMBER: SQ4-FA-025U-125D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6	5301.6
2.5°	5116.0	5100.9	5121.0	5065.9	5121.0	5100.9	5116.0	5151.1	5121.0	5141.1	5161.1
5°	4489.1	4464.0	4383.7	4318.5	4383.7	4464.0	4489.1	4594.4	4644.5	4734.8	4855.1
7.5°	4012.6	3992.5	3972.5	3932.3	3972.5	3992.5	4012.6	4042.6	4092.8	4173.0	4263.3
10°	3907.2	3912.2	3942.3	3937.3	3942.3	3912.2	3907.2	3897.2	3882.1	3897.2	3952.4
12.5°	4178.1	4223.2	4388.7	4378.7	4388.7	4223.2	4178.1	3977.4	3842.0	3816.9	3826.9
15°	4489.1	4504.1	4539.2	4544.2	4539.2	4504.1	4489.1	4408.8	4002.5	3826.9	3771.8
17.5°	4519.1	4524.2	4549.2	4549.2	4549.2	4524.2	4519.1	4484.0	4348.6	4112.8	3801.9
20°	4494.0	4504.1	4554.3	4564.3	4554.3	4504.1	4494.0	4448.9	4373.7	4288.4	4052.7
22.5°	4484.0	4504.1	4544.2	4539.2	4544.2	4504.1	4484.0	4413.8	4348.6	4288.4	4193.1
25°	4433.8	4433.8	4438.9	4443.9	4438.9	4433.8	4433.8	4378.7	4248.3	4233.2	4178.1
27.5°	4328.5	4338.6	4368.6	4363.6	4368.6	4338.6	4328.5	4308.5	4168.1	4153.0	4112.8
30°	4233.2	4223.2	4198.1	4178.1	4198.1	4223.2	4233.2	4203.1	4062.7	4022.5	4032.6
32.5°	4072.7	4047.6	4022.5	4007.5	4022.5	4047.6	4072.7	4062.7	3957.3	3902.2	3912.2
35°	3882.1	3887.2	3882.1	3867.1	3882.1	3887.2	3882.1	3892.1	3826.9	3776.8	3771.8
37.5°	3746.7	3756.8	3751.7	3731.7	3751.7	3756.8	3746.7	3736.7	3646.4	3631.4	3641.4
40°	3606.3	3611.3	3606.3	3591.2	3606.3	3611.3	3606.3	3586.2	3460.9	3465.8	3501.0
42.5°	3470.8	3465.8	3450.8	3440.7	3450.8	3465.8	3470.8	3440.7	3280.3	3265.2	3330.4
45°	3315.3	3320.4	3290.2	3275.2	3290.2	3320.4	3315.3	3295.3	3129.8	3089.7	3134.8
47.5°	3159.9	3159.9	3134.8	3119.7	3134.8	3159.9	3159.9	3134.8	2959.3	2919.1	2944.2
50°	2994.3	2989.4	2954.2	2949.2	2954.2	2989.4	2994.3	2979.3	2793.8	2758.6	2758.6
52.5°	2803.7	2803.7	2808.8	2818.8	2808.8	2803.7	2803.7	2808.8	2643.3	2608.1	2598.1
55°	2638.3	2643.3	2678.4	2688.4	2678.4	2643.3	2638.3	2638.3	2487.8	2452.7	2432.6
57.5°	2467.7	2467.7	2492.8	2492.8	2492.8	2467.7	2467.7	2457.6	2312.2	2282.2	2272.1
60°	2272.1	2282.2	2302.2	2297.2	2302.2	2282.2	2272.1	2262.0	2136.6	2116.6	2081.5
62.5°	2066.5	2076.5	2081.5	2071.4	2081.5	2076.5	2066.5	2036.4	1961.1	1946.1	1900.9
65°	1850.8	1860.8	1865.8	1855.8	1865.8	1860.8	1850.8	1835.7	1780.6	1755.5	1715.4
67.5°	1630.1	1625.1	1620.0	1640.1	1620.0	1625.1	1630.1	1610.0	1575.0	1554.8	1499.7
70°	1404.3	1404.3	1399.4	1409.4	1399.4	1404.3	1404.3	1389.3	1369.3	1354.3	1304.1
72.5°	1163.7	1158.6	1178.7	1163.7	1178.7	1158.6	1163.7	1158.6	1148.6	1133.5	1083.3
75°	927.9	937.9	927.9	942.9	927.9	937.9	927.9	932.9	927.9	917.9	882.8
77.5°	707.2	717.3	707.2	707.2	707.2	717.3	707.2	712.2	712.2	712.2	682.1
80°	501.6	496.6	496.6	491.5	496.6	496.6	501.6	501.6	506.5	496.6	486.5
82.5°	321.0	316.0	316.0	326.0	316.0	316.0	321.0	326.0	316.0	316.0	316.0
85°	175.6	180.6	170.5	170.5	170.5	180.6	175.6	165.5	175.6	175.6	170.5
87.5°	65.2	60.2	60.2	60.2	60.2	60.2	65.2	70.2	70.2	70.2	75.2
90°	11.3	11.3	11.3	11.3	11.3	11.3	11.3	15.0	20.1	22.5	19.4
92.5°	56.4	54.1	45.3	36.3	45.3	54.1	56.4	79.9	111.3	127.1	111.5
95°	191.5	184.7	157.5	130.3	157.5	184.7	191.5	251.4	331.4	371.4	313.7
97.5°	442.0	429.1	377.4	325.6	377.4	429.1	442.0	480.0	530.5	555.8	459.5
100°	620.8	605.3	543.8	482.1	543.8	605.3	620.8	618.0	614.3	612.5	505.7
102.5°	773.3	760.1	707.3	654.6	707.3	760.1	773.3	725.0	660.7	628.5	520.2
105°	951.4	944.3	916.0	887.6	916.0	944.3	951.4	843.2	698.8	626.7	521.8
107.5°	1044.1	1045.8	1052.7	1059.5	1052.7	1045.8	1044.1	893.1	691.7	591.0	498.5
110°	1067.8	1075.2	1104.8	1134.3	1104.8	1075.2	1067.8	899.0	673.9	561.4	478.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1052.7	1064.1	1109.4	1154.8	1109.4	1064.1	1052.7	879.9	649.6	534.4	460.0
115°	1001.3	1017.0	1080.0	1142.9	1080.0	1017.0	1001.3	834.9	613.0	502.0	439.4
117.5°	930.4	947.9	1017.6	1087.4	1017.6	947.9	930.4	780.2	580.0	479.8	426.5
120°	882.6	899.6	967.4	1035.1	967.4	899.6	882.6	745.3	562.3	470.8	422.1
122.5°	834.8	851.5	918.4	985.3	918.4	851.5	834.8	711.2	546.4	464.0	419.8
125°	771.5	786.9	848.5	910.1	848.5	786.9	771.5	666.5	526.5	456.6	418.0
127.5°	720.7	733.8	785.8	837.7	785.8	733.8	720.7	630.6	510.4	450.3	416.9
130°	688.7	700.8	748.8	796.8	748.8	700.8	688.7	608.5	501.5	448.0	417.5
132.5°	661.5	672.2	715.2	758.2	715.2	672.2	661.5	589.6	493.8	445.9	418.0
135°	622.8	632.1	669.2	706.2	669.2	632.1	622.8	562.7	482.4	442.3	417.6
137.5°	594.3	601.9	632.2	662.7	632.2	601.9	594.3	543.4	475.6	441.7	420.2
140°	571.5	578.6	606.9	635.3	606.9	578.6	571.5	527.5	468.9	439.7	420.6
142.5°	555.5	561.6	586.0	610.4	586.0	561.6	555.5	516.8	465.3	439.7	422.1
145°	531.3	536.0	554.5	572.9	554.5	536.0	531.3	499.8	457.7	436.7	422.1
147.5°	511.2	515.0	530.4	545.7	530.4	515.0	511.2	486.4	453.3	436.7	425.0
150°	499.6	502.7	515.1	527.5	515.1	502.7	499.6	478.7	450.7	436.7	426.5
152.5°	490.4	492.8	502.1	511.5	502.1	492.8	490.4	472.6	448.7	436.7	427.5
155°	479.5	481.1	487.2	493.4	487.2	481.1	479.5	465.2	446.2	436.7	429.7
157.5°	469.9	471.0	475.4	479.8	475.4	471.0	469.9	458.8	444.1	436.7	431.9
160°	465.2	465.7	468.3	470.8	468.3	465.7	465.2	455.7	443.0	436.7	432.8
162.5°	460.7	461.3	463.7	466.0	463.7	461.3	460.7	452.7	442.0	436.7	433.9
165°	453.9	454.5	457.0	459.5	457.0	454.5	453.9	448.2	440.5	436.7	435.4
167.5°	450.9	451.2	452.2	453.3	452.2	451.2	450.9	447.2	442.1	439.7	438.6
170°	450.9	450.9	450.9	450.9	450.9	450.9	450.9	447.2	442.1	439.7	439.6
172.5°	448.6	448.4	447.4	446.5	447.4	448.4	448.6	445.6	441.6	439.7	439.7
175°	445.3	445.3	445.3	445.3	445.3	445.3	445.3	443.4	440.9	439.7	440.3
177.5°	444.7	444.4	443.4	442.3	443.4	444.4	444.7	443.2	441.2	440.3	440.7
180°	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3	442.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	5301.6	5301.6	5301.6	5301.6	5301.6
2.5°	5236.4	5261.5	5276.5	5296.6	5346.8
5°	5035.7	5131.1	5161.1	5236.4	5326.6
7.5°	4594.4	4885.3	4965.5	5146.1	5286.5
10°	4168.1	4458.9	4599.3	5025.8	5236.4
12.5°	3952.4	4122.9	4218.2	4815.0	5166.2
15°	3816.9	3937.3	4007.5	4534.1	5085.9
17.5°	3711.6	3796.9	3847.1	4258.3	4975.6
20°	3646.4	3686.5	3731.7	4057.7	4850.2
22.5°	3601.3	3576.2	3611.3	3917.2	4679.7
25°	3571.1	3475.9	3516.0	3806.9	4479.0
27.5°	3596.2	3385.6	3400.6	3706.6	4268.4
30°	3601.3	3275.2	3280.3	3601.3	4032.6
32.5°	3566.2	3159.9	3164.9	3470.8	3766.8
35°	3480.9	3024.5	3019.4	3320.4	3405.6
37.5°	3365.5	2879.0	2879.0	3154.9	3009.4
40°	3225.1	2733.5	2748.6	2939.2	2658.3
42.5°	3054.5	2578.1	2598.1	2653.3	2397.5
45°	2869.0	2427.6	2442.6	2242.0	2196.8
47.5°	2663.4	2272.1	2277.1	1860.8	2131.7
50°	2417.5	2111.6	2091.5	1595.0	2126.7
52.5°	2201.9	1936.1	1875.8	1444.6	1931.0
55°	1991.2	1750.4	1620.0	1329.2	1790.6
57.5°	1805.7	1509.8	1384.3	1193.7	1760.5
60°	1635.1	1274.0	1178.7	1048.3	1615.1
62.5°	1494.6	1098.5	1078.4	948.0	1464.6
65°	1344.2	978.0	973.1	862.7	1243.9
67.5°	1198.7	897.8	892.8	782.4	948.0
70°	1043.2	812.5	802.6	697.1	702.2
72.5°	882.8	717.3	707.2	627.0	581.8
75°	722.2	606.9	601.9	546.7	471.5
77.5°	566.8	481.6	491.5	441.3	346.1
80°	406.3	351.1	361.1	316.0	260.8
82.5°	270.8	230.7	240.8	200.7	175.6
85°	150.5	130.4	135.5	105.3	80.2
87.5°	70.2	60.2	60.2	40.1	25.1
90°	13.0	8.3	7.7	5.3	3.0
92.5°	80.5	57.3	52.3	32.0	11.9
95°	198.2	111.6	102.4	65.4	28.5
97.5°	267.0	122.6	114.5	81.9	49.3
100°	292.1	131.8	124.4	94.8	65.3
102.5°	303.5	141.0	134.1	106.5	78.9
105°	312.0	154.6	148.8	125.5	102.2
107.5°	313.6	174.9	169.4	147.6	125.9
110°	311.2	186.1	181.2	161.5	141.9



TEST NUMBER: P934117

CATALOG NUMBER: SQ4-FA-025U-125D-840-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	311.3	199.8	195.1	176.4	157.7
115°	314.2	220.3	216.0	198.7	181.4
117.5°	320.0	240.2	236.2	220.5	204.8
120°	324.8	251.7	248.1	233.3	218.4
122.5°	331.6	265.4	261.6	246.8	231.9
125°	340.9	283.0	279.6	266.0	252.3
127.5°	350.0	299.9	296.4	282.7	268.9
130°	356.8	311.1	307.5	292.6	277.8
132.5°	362.2	320.3	316.7	301.8	287.1
135°	368.1	331.0	327.6	314.2	300.7
137.5°	377.0	344.6	341.3	328.0	314.7
140°	382.5	353.9	350.8	338.5	326.2
142.5°	387.0	360.7	357.9	346.5	335.1
145°	392.9	371.1	368.6	358.7	348.9
147.5°	401.6	384.1	381.8	372.1	362.5
150°	406.2	391.0	388.8	380.1	371.4
152.5°	409.1	395.4	393.7	387.2	380.6
155°	415.7	405.2	404.0	399.1	394.2
157.5°	422.3	415.1	413.9	409.0	404.3
160°	425.2	419.5	418.6	414.9	411.2
162.5°	428.4	424.2	423.6	420.8	418.0
165°	432.9	431.1	430.5	427.9	425.4
167.5°	436.5	434.9	434.6	433.4	432.2
170°	439.5	439.4	439.1	437.9	436.7
172.5°	439.7	439.7	439.6	439.4	439.1
175°	441.4	442.3	442.3	442.3	442.3
177.5°	441.6	442.3	442.3	442.3	442.3
180°	442.3	442.3	442.3	442.3	442.3



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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	17.14	18.40	17.76	19.03	19.74	19.99	21.25	20.61	21.88	22.59
	3H	17.65	18.78	18.28	19.41	20.16	21.37	22.51	22.00	23.14	23.89
	4H	17.86	18.92	18.50	19.57	20.33	21.84	22.91	22.49	23.56	24.32
	6H	18.00	18.98	18.66	19.64	20.42	22.15	23.14	22.81	23.80	24.57
	8H	18.01	18.95	18.68	19.63	20.41	22.24	23.18	22.91	23.86	24.64
	12H	17.99	18.89	18.67	19.56	20.37	22.29	23.19	22.97	23.87	24.67
4H	2H	18.23	19.29	18.88	19.94	20.70	20.45	21.51	21.10	22.16	22.92
	3H	19.29	20.18	19.95	20.87	21.65	22.00	22.89	22.66	23.57	24.35
	4H	19.58	20.39	20.26	21.08	21.89	22.54	23.35	23.23	24.04	24.85
	6H	19.73	20.43	20.43	21.15	21.97	22.94	23.64	23.64	24.35	25.18
	8H	19.74	20.40	20.45	21.11	21.94	23.06	23.71	23.76	24.42	25.26
	12H	19.73	20.32	20.46	21.06	21.89	23.14	23.72	23.86	24.46	25.30
8H	4H	20.07	20.72	20.78	21.44	22.27	22.70	23.35	23.41	24.07	24.90
	6H	20.35	20.89	21.08	21.65	22.48	23.16	23.70	23.90	24.46	25.29
	8H	20.39	20.88	21.14	21.64	22.49	23.32	23.80	24.07	24.56	25.41
	12H	20.40	20.82	21.15	21.57	22.48	23.44	23.87	24.19	24.61	25.53
12H	4H	20.10	20.68	20.82	21.42	22.26	22.68	23.27	23.41	24.01	24.85
	6H	20.41	20.90	21.16	21.66	22.51	23.16	23.64	23.91	24.40	25.25
	8H	20.50	20.92	21.25	21.67	22.59	23.34	23.77	24.09	24.52	25.43