

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: P934173

Luminaire Tested: SQ4-FA-025U-125D-940-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934173
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-940-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

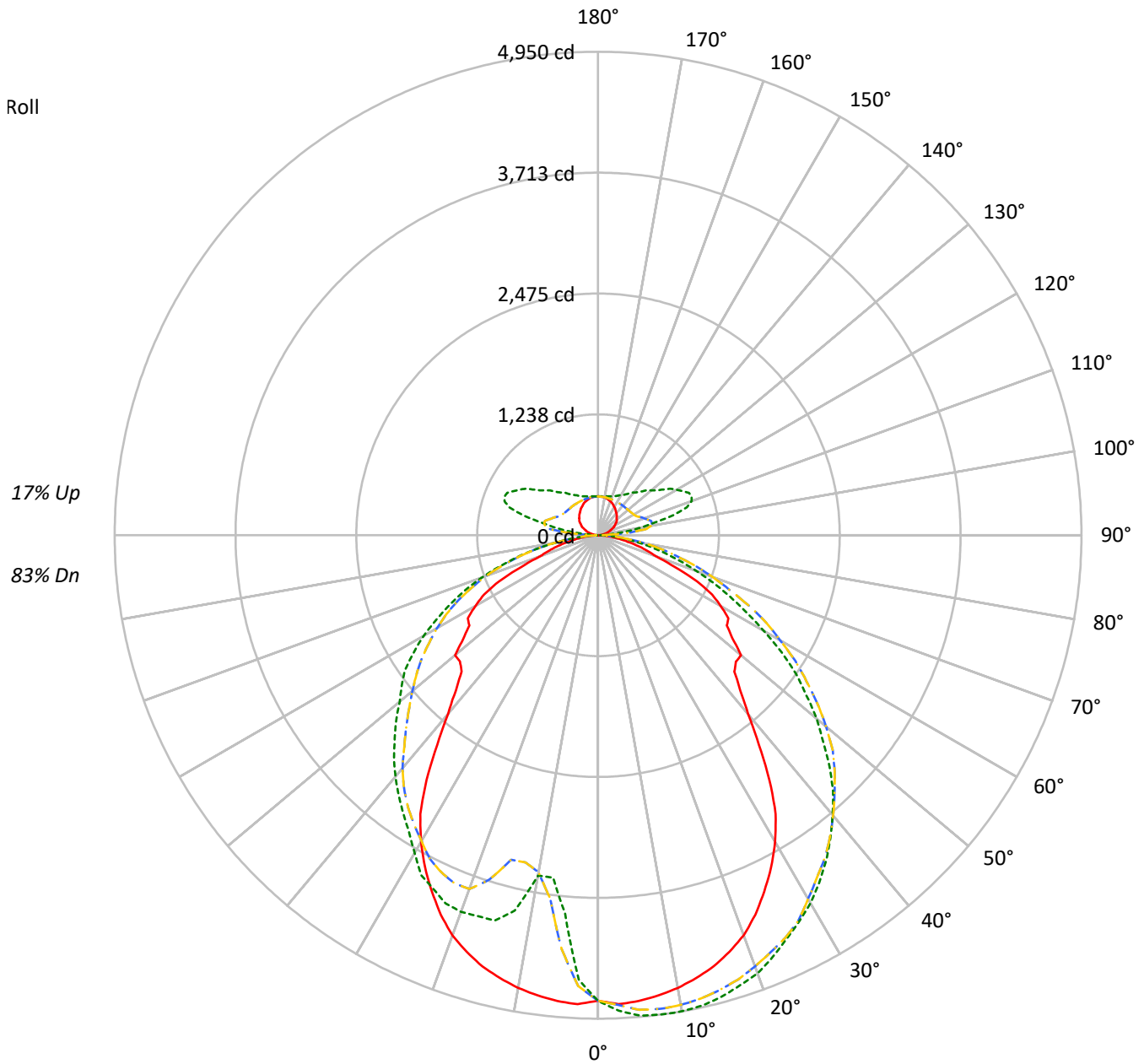
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14933.5 lumens
Efficiency: N/A
Efficacy: 100.4 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: P934173
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Luminous Intensity Polar Plot



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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	430.1	2.9
10°-20°	1221.2	8.2
20°-30°	1887.8	12.6
30°-40°	2253.6	15.1
40°-50°	2266.9	15.2
50°-60°	1972.4	13.2
60°-70°	1398.5	9.4
70°-80°	739.9	5.0
80°-90°	185.8	1.2
90°-100°	193.8	1.3
100°-110°	509.5	3.4
110°-120°	528.3	3.5
120°-130°	423.7	2.8
130°-140°	332.5	2.2
140°-150°	255.2	1.7
150°-160°	183.8	1.2
160°-170°	112.5	0.8
170°-180°	38.0	0.3
0°-30°	3539.2	23.7
0°-40°	5792.8	38.8
0°-60°	10032.1	67.2
0°-90°	12356.3	82.7
90°-120°	1231.6	8.2
90°-150°	2243.0	15.0
90°-180°	2577.0	17.3
0°-180°	14933.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4765	4765	4765	4765	4765	
5°	4788	4936	4788	3881	4788	454
15°	4571	4891	4571	4084	4571	1286
25°	4026	4562	4026	3994	4026	1848
35°	3061	4071	3061	3476	3061	1894
45°	1974	3354	1974	2944	1974	1582
55°	1609	2475	1609	2416	1609	1479
65°	1118	1492	1118	1668	1118	1069
75°	424	708	424	848	424	446
85°	72	180	72	153	72	97
90°	3	10	3	10	3	5
95°	26	117	26	117	26	28
105°	92	798	92	798	92	97
115°	163	1027	163	1027	163	161
125°	227	818	227	818	227	201
135°	270	635	270	635	270	209
145°	314	515	314	515	314	196
155°	354	444	354	444	354	163
165°	382	413	382	413	382	108
175°	398	400	398	400	398	38
180°	398	398	398	398	398	



TEST NUMBER: P934173

CATALOG NUMBER: SQ4-FA-025U-125D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0
2.5°	4805.6	4805.6	4832.6	4841.6	4841.6	4828.1	4814.6	4828.1	4868.6	4882.2	4877.7
5°	4787.5	4823.6	4873.2	4882.2	4891.2	4886.7	4877.7	4886.7	4931.8	4940.8	4945.3
7.5°	4751.4	4819.1	4882.2	4895.7	4909.2	4895.7	4891.2	4900.3	4945.3	4954.3	4954.3
10°	4706.4	4801.1	4873.2	4882.2	4895.7	4882.2	4882.2	4900.3	4945.3	4954.3	4958.9
12.5°	4643.3	4774.0	4841.6	4850.6	4868.6	4864.1	4859.7	4877.7	4922.7	4931.8	4931.8
15°	4571.2	4724.4	4787.5	4796.5	4828.1	4819.1	4819.1	4837.1	4886.7	4900.3	4895.7
17.5°	4472.0	4661.3	4733.4	4747.0	4769.4	4765.0	4769.4	4787.5	4832.6	4841.6	4846.1
20°	4359.3	4575.6	4661.3	4674.8	4697.3	4697.3	4697.3	4719.9	4765.0	4783.0	4783.0
22.5°	4206.0	4485.5	4575.6	4584.7	4611.7	4611.7	4620.7	4652.2	4692.8	4697.3	4697.3
25°	4025.7	4386.3	4462.9	4490.0	4517.1	4530.6	4544.1	4562.1	4575.6	4571.2	4575.6
27.5°	3836.3	4260.1	4359.3	4377.3	4413.4	4426.9	4444.9	4449.4	4453.9	4467.4	4458.5
30°	3624.5	4084.3	4233.0	4251.0	4309.6	4318.7	4300.7	4309.6	4332.2	4341.3	4350.2
32.5°	3385.5	3822.8	4102.3	4142.9	4197.0	4170.0	4165.4	4178.9	4215.0	4215.0	4224.0
35°	3060.9	3619.9	3980.5	4016.6	4057.2	4025.7	4043.7	4048.2	4070.8	4084.3	4079.7
37.5°	2704.8	3444.1	3854.4	3881.4	3913.0	3872.4	3899.5	3913.0	3931.0	3921.9	3921.9
40°	2389.3	3169.1	3705.6	3723.7	3750.6	3719.1	3746.2	3755.2	3764.2	3755.2	3750.6
42.5°	2154.8	2867.1	3547.8	3570.4	3552.4	3574.8	3583.9	3601.9	3588.4	3570.4	3570.4
45°	1974.5	2785.9	3376.5	3403.5	3376.5	3412.6	3426.1	3426.1	3385.5	3376.5	3372.0
47.5°	1915.9	2623.7	3205.2	3205.2	3191.6	3236.8	3259.3	3227.7	3187.2	3173.6	3173.6
50°	1911.4	2443.3	2970.8	2952.8	3015.8	3070.0	3047.4	3015.8	2984.3	2934.8	2934.8
52.5°	1735.6	2222.5	2668.7	2736.4	2835.6	2867.1	2831.0	2799.5	2745.3	2722.9	2704.8
55°	1609.3	1992.6	2393.8	2529.0	2632.7	2673.2	2605.7	2574.0	2493.0	2479.4	2470.4
57.5°	1582.3	1659.0	2141.3	2312.6	2438.8	2434.4	2393.8	2335.2	2267.5	2254.0	2249.5
60°	1451.6	1199.2	1870.8	2073.7	2204.5	2190.9	2154.8	2100.7	2037.6	2028.6	2019.6
62.5°	1316.4	870.1	1564.3	1794.2	1979.0	1974.5	1942.9	1861.8	1816.8	1794.2	1776.2
65°	1118.0	730.3	1113.5	1492.2	1758.2	1767.1	1699.5	1640.9	1591.3	1564.3	1559.8
67.5°	852.0	595.0	752.8	1244.2	1546.3	1537.2	1451.6	1424.5	1361.4	1347.9	1320.8
70°	631.1	396.7	522.9	1009.8	1338.8	1316.4	1248.7	1217.2	1158.6	1127.0	1108.9
72.5°	522.9	320.0	383.2	784.4	1127.0	1100.0	1041.4	1005.3	955.7	928.7	910.6
75°	423.8	338.1	293.0	581.6	915.1	897.1	843.0	806.9	766.3	730.3	734.8
77.5°	311.1	315.6	234.4	428.3	725.8	698.8	667.2	622.1	604.1	568.1	568.1
80°	234.4	247.9	175.8	293.0	522.9	522.9	495.9	464.3	432.8	414.7	414.7
82.5°	157.8	157.8	130.7	184.8	356.2	342.6	324.6	315.6	297.6	288.5	288.5
85°	72.1	90.1	81.2	112.7	193.9	202.8	202.8	193.9	189.3	180.4	184.8
87.5°	22.6	40.6	49.6	63.1	99.2	103.7	108.2	108.2	108.2	112.7	112.7
90°	2.7	4.8	6.9	7.5	11.7	17.4	20.2	18.0	13.5	10.1	10.1
92.5°	10.7	28.8	47.0	51.5	72.4	100.3	114.2	100.1	71.8	50.7	48.7
95°	25.6	58.8	92.0	100.3	178.1	281.9	333.8	297.8	226.0	172.1	166.0
97.5°	44.3	73.6	102.9	110.2	239.9	413.0	499.5	476.8	431.4	397.3	385.7
100°	58.7	85.2	111.8	118.5	262.5	454.5	550.5	552.2	555.4	557.9	544.1
102.5°	71.0	95.7	120.5	126.7	272.8	467.5	564.9	593.8	651.6	695.0	683.1
105°	91.8	112.8	133.7	139.0	280.4	469.0	563.3	628.1	757.8	855.1	848.8
107.5°	113.1	132.7	152.3	157.2	281.9	448.1	531.2	621.7	802.7	938.4	939.9
110°	127.5	145.2	162.9	167.3	279.7	429.6	504.6	605.7	808.0	959.8	966.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	141.7	158.5	175.4	179.6	279.8	413.5	480.3	583.9	790.9	946.2	956.4
115°	163.0	178.6	194.1	198.0	282.4	394.9	451.2	550.9	750.4	900.0	914.1
117.5°	184.1	198.2	212.3	215.9	287.6	383.3	431.2	521.3	701.3	836.2	851.9
120°	196.3	209.7	223.0	226.3	291.9	379.4	423.1	505.4	669.9	793.3	808.5
122.5°	208.4	221.8	235.1	238.5	298.0	377.3	417.0	491.1	639.2	750.3	765.3
125°	226.8	239.0	251.3	254.3	306.4	375.7	410.3	473.2	599.0	693.4	707.3
127.5°	241.7	254.1	266.4	269.5	314.6	374.7	404.8	458.7	566.8	647.8	659.5
130°	249.7	263.0	276.3	279.6	320.7	375.3	402.6	450.7	546.9	619.0	629.9
132.5°	258.1	271.3	284.6	287.9	325.5	375.7	400.8	443.8	530.0	594.5	604.2
135°	270.3	282.4	294.5	297.5	330.9	375.4	397.6	433.6	505.7	559.8	568.1
137.5°	282.8	294.8	306.7	309.7	338.9	377.7	397.0	427.5	488.4	534.1	541.0
140°	293.2	304.2	315.3	318.1	343.7	378.0	395.2	421.4	474.1	513.6	520.0
142.5°	301.2	311.4	321.6	324.2	347.8	379.4	395.2	418.2	464.5	499.2	504.7
145°	313.6	322.4	331.3	333.5	353.2	379.4	392.5	411.4	449.2	477.6	481.7
147.5°	325.8	334.4	343.1	345.3	361.0	382.0	392.5	407.4	437.2	459.5	462.9
150°	333.8	341.6	349.4	351.4	365.1	383.3	392.5	405.1	430.2	449.1	451.8
152.5°	342.1	348.0	353.9	355.4	367.7	384.2	392.5	403.2	424.7	440.8	442.9
155°	354.3	358.7	363.1	364.2	373.6	386.2	392.5	401.0	418.2	430.9	432.4
157.5°	363.4	367.6	372.0	373.0	379.5	388.1	392.5	399.2	412.4	422.3	423.3
160°	369.6	372.9	376.2	377.0	382.2	389.0	392.5	398.2	409.5	418.1	418.6
162.5°	375.7	378.2	380.7	381.3	385.0	390.0	392.5	397.3	406.9	414.1	414.6
165°	382.4	384.6	386.9	387.4	389.1	391.3	392.5	396.0	402.8	407.9	408.5
167.5°	388.5	389.6	390.6	390.9	392.3	394.2	395.2	397.4	401.9	405.3	405.5
170°	392.5	393.6	394.6	394.9	395.0	395.1	395.2	397.4	401.9	405.3	405.3
172.5°	394.6	394.9	395.1	395.2	395.2	395.2	395.2	396.9	400.5	403.2	403.0
175°	397.6	397.6	397.6	397.6	396.8	395.7	395.2	396.3	398.5	400.2	400.2
177.5°	397.6	397.6	397.6	397.6	396.9	396.1	395.7	396.6	398.4	399.7	399.4
180°	397.6	397.6	397.6	397.6	397.6	397.6	397.6	397.6	397.6	397.6	397.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0
2.5°	4886.7	4873.2	4886.7	4877.7	4882.2	4868.6	4828.1	4814.6	4828.1	4841.6	4841.6
5°	4945.3	4936.3	4945.3	4945.3	4940.8	4931.8	4886.7	4877.7	4886.7	4891.2	4882.2
7.5°	4963.3	4949.8	4963.3	4954.3	4954.3	4945.3	4900.3	4891.2	4895.7	4909.2	4895.7
10°	4963.3	4949.8	4963.3	4958.9	4954.3	4945.3	4900.3	4882.2	4882.2	4895.7	4882.2
12.5°	4940.8	4931.8	4940.8	4931.8	4931.8	4922.7	4877.7	4859.7	4864.1	4868.6	4850.6
15°	4904.7	4891.2	4904.7	4895.7	4900.3	4886.7	4837.1	4819.1	4819.1	4828.1	4796.5
17.5°	4850.6	4832.6	4850.6	4846.1	4841.6	4832.6	4787.5	4769.4	4765.0	4769.4	4747.0
20°	4787.5	4774.0	4787.5	4783.0	4783.0	4765.0	4719.9	4697.3	4697.3	4697.3	4674.8
22.5°	4688.4	4674.8	4688.4	4697.3	4697.3	4692.8	4652.2	4620.7	4611.7	4611.7	4584.7
25°	4575.6	4562.1	4575.6	4575.6	4571.2	4575.6	4562.1	4544.1	4530.6	4517.1	4490.0
27.5°	4467.4	4458.5	4467.4	4458.5	4467.4	4453.9	4449.4	4444.9	4426.9	4413.4	4377.3
30°	4359.3	4350.2	4359.3	4350.2	4341.3	4332.2	4309.6	4300.7	4318.7	4309.6	4251.0
32.5°	4224.0	4215.0	4224.0	4224.0	4215.0	4215.0	4178.9	4165.4	4170.0	4197.0	4142.9
35°	4084.3	4070.8	4084.3	4079.7	4084.3	4070.8	4048.2	4043.7	4025.7	4057.2	4016.6
37.5°	3921.9	3908.4	3921.9	3921.9	3921.9	3931.0	3913.0	3899.5	3872.4	3913.0	3881.4
40°	3755.2	3737.1	3755.2	3750.6	3755.2	3764.2	3755.2	3746.2	3719.1	3750.6	3723.7
42.5°	3565.9	3561.3	3565.9	3570.4	3570.4	3588.4	3601.9	3583.9	3574.8	3552.4	3570.4
45°	3362.9	3354.0	3362.9	3372.0	3376.5	3385.5	3426.1	3426.1	3412.6	3376.5	3403.5
47.5°	3146.6	3124.1	3146.6	3173.6	3173.6	3187.2	3227.7	3259.3	3236.8	3191.6	3205.2
50°	2916.7	2921.2	2916.7	2934.8	2934.8	2984.3	3015.8	3047.4	3070.0	3015.8	2952.8
52.5°	2691.3	2686.8	2691.3	2704.8	2722.9	2745.3	2799.5	2831.0	2867.1	2835.6	2736.4
55°	2465.9	2474.9	2465.9	2470.4	2479.4	2493.0	2574.0	2605.7	2673.2	2632.7	2529.0
57.5°	2240.5	2226.9	2240.5	2249.5	2254.0	2267.5	2335.2	2393.8	2434.4	2438.8	2312.6
60°	1979.0	1961.0	1979.0	2019.6	2028.6	2037.6	2100.7	2154.8	2190.9	2204.5	2073.7
62.5°	1749.1	1717.6	1749.1	1776.2	1794.2	1816.8	1861.8	1942.9	1974.5	1979.0	1794.2
65°	1505.7	1492.2	1505.7	1559.8	1564.3	1591.3	1640.9	1699.5	1767.1	1758.2	1492.2
67.5°	1284.8	1284.8	1284.8	1320.8	1347.9	1361.4	1424.5	1451.6	1537.2	1546.3	1244.2
70°	1081.9	1077.4	1081.9	1108.9	1127.0	1158.6	1217.2	1248.7	1316.4	1338.8	1009.8
72.5°	888.1	883.6	888.1	910.6	928.7	955.7	1005.3	1041.4	1100.0	1127.0	784.4
75°	716.8	707.7	716.8	734.8	730.3	766.3	806.9	843.0	897.1	915.1	581.6
77.5°	549.9	549.9	549.9	568.1	568.1	604.1	622.1	667.2	698.8	725.8	428.3
80°	410.3	405.7	410.3	414.7	414.7	432.8	464.3	495.9	522.9	522.9	293.0
82.5°	288.5	279.5	288.5	288.5	288.5	297.6	315.6	324.6	342.6	356.2	184.8
85°	180.4	180.4	180.4	184.8	180.4	189.3	193.9	202.8	202.8	193.9	112.7
87.5°	117.2	112.7	117.2	112.7	112.7	108.2	108.2	108.2	103.7	99.2	63.1
90°	10.1	10.1	10.1	10.1	10.1	13.5	18.0	20.2	17.4	11.7	7.5
92.5°	40.7	32.6	40.7	48.7	50.7	71.8	100.1	114.2	100.3	72.4	51.5
95°	141.5	117.1	141.5	166.0	172.1	226.0	297.8	333.8	281.9	178.1	100.3
97.5°	339.2	292.7	339.2	385.7	397.3	431.4	476.8	499.5	413.0	239.9	110.2
100°	488.8	433.3	488.8	544.1	557.9	555.4	552.2	550.5	454.5	262.5	118.5
102.5°	635.7	588.3	635.7	683.1	695.0	651.6	593.8	564.9	467.5	272.8	126.7
105°	823.3	797.8	823.3	848.8	855.1	757.8	628.1	563.3	469.0	280.4	139.0
107.5°	946.2	952.3	946.2	939.9	938.4	802.7	621.7	531.2	448.1	281.9	157.2
110°	993.0	1019.5	993.0	966.4	959.8	808.0	605.7	504.6	429.6	279.7	167.3



TEST NUMBER: P934173

CATALOG NUMBER: SQ4-FA-025U-125D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	997.1	1037.9	997.1	956.4	946.2	790.9	583.9	480.3	413.5	279.8	179.6
115°	970.7	1027.2	970.7	914.1	900.0	750.4	550.9	451.2	394.9	282.4	198.0
117.5°	914.6	977.3	914.6	851.9	836.2	701.3	521.3	431.2	383.3	287.6	215.9
120°	869.4	930.4	869.4	808.5	793.3	669.9	505.4	423.1	379.4	291.9	226.3
122.5°	825.5	885.6	825.5	765.3	750.3	639.2	491.1	417.0	377.3	298.0	238.5
125°	762.6	818.0	762.6	707.3	693.4	599.0	473.2	410.3	375.7	306.4	254.3
127.5°	706.2	752.9	706.2	659.5	647.8	566.8	458.7	404.8	374.7	314.6	269.5
130°	673.0	716.2	673.0	629.9	619.0	546.9	450.7	402.6	375.3	320.7	279.6
132.5°	642.8	681.5	642.8	604.2	594.5	530.0	443.8	400.8	375.7	325.5	287.9
135°	601.4	634.7	601.4	568.1	559.8	505.7	433.6	397.6	375.4	330.9	297.5
137.5°	568.2	595.6	568.2	541.0	534.1	488.4	427.5	397.0	377.7	338.9	309.7
140°	545.5	571.0	545.5	520.0	513.6	474.1	421.4	395.2	378.0	343.7	318.1
142.5°	526.7	548.6	526.7	504.7	499.2	464.5	418.2	395.2	379.4	347.8	324.2
145°	498.3	515.0	498.3	481.7	477.6	449.2	411.4	392.5	379.4	353.2	333.5
147.5°	476.7	490.4	476.7	462.9	459.5	437.2	407.4	392.5	382.0	361.0	345.3
150°	463.0	474.1	463.0	451.8	449.1	430.2	405.1	392.5	383.3	365.1	351.4
152.5°	451.3	459.7	451.3	442.9	440.8	424.7	403.2	392.5	384.2	367.7	355.4
155°	437.9	443.5	437.9	432.4	430.9	418.2	401.0	392.5	386.2	373.6	364.2
157.5°	427.3	431.2	427.3	423.3	422.3	412.4	399.2	392.5	388.1	379.5	373.0
160°	420.9	423.1	420.9	418.6	418.1	409.5	398.2	392.5	389.0	382.2	377.0
162.5°	416.7	418.9	416.7	414.6	414.1	406.9	397.3	392.5	390.0	385.0	381.3
165°	410.8	413.0	410.8	408.5	407.9	402.8	396.0	392.5	391.3	389.1	387.4
167.5°	406.4	407.4	406.4	405.5	405.3	401.9	397.4	395.2	394.2	392.3	390.9
170°	405.3	405.3	405.3	405.3	405.3	401.9	397.4	395.2	395.1	395.0	394.9
172.5°	402.1	401.3	402.1	403.0	403.2	400.5	396.9	395.2	395.2	395.2	395.2
175°	400.2	400.2	400.2	400.2	400.2	398.5	396.3	395.2	395.7	396.8	397.6
177.5°	398.5	397.6	398.5	399.4	399.7	398.4	396.6	395.7	396.1	396.9	397.6
180°	397.6	397.6	397.6	397.6	397.6	397.6	397.6	397.6	397.6	397.6	397.6



TEST NUMBER: P934173

CATALOG NUMBER: SQ4-FA-025U-125D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0
2.5°	4832.6	4805.6	4805.6	4760.5	4742.5	4729.0	4706.4	4638.7	4620.7	4602.7	4629.8
5°	4873.2	4823.6	4787.5	4706.4	4638.7	4611.7	4526.0	4363.7	4255.6	4174.4	4129.4
7.5°	4882.2	4819.1	4751.4	4625.2	4462.9	4390.8	4129.4	3831.8	3750.6	3678.5	3633.4
10°	4873.2	4801.1	4706.4	4517.1	4133.8	4007.6	3746.2	3552.4	3502.7	3489.2	3502.7
12.5°	4841.6	4774.0	4643.3	4327.7	3791.2	3705.6	3552.4	3439.6	3430.6	3453.2	3574.8
15°	4787.5	4724.4	4571.2	4075.2	3601.9	3538.8	3430.6	3390.0	3439.6	3597.4	3962.5
17.5°	4733.4	4661.3	4472.0	3827.3	3457.7	3412.6	3335.9	3417.1	3696.6	3908.4	4030.2
20°	4661.3	4575.6	4359.3	3647.0	3354.0	3313.4	3277.3	3642.5	3854.4	3931.0	3998.6
22.5°	4575.6	4485.5	4206.0	3520.7	3245.8	3214.2	3236.8	3768.7	3854.4	3908.4	3967.1
25°	4462.9	4386.3	4025.7	3421.6	3160.1	3124.1	3209.7	3755.2	3804.7	3818.3	3935.5
27.5°	4359.3	4260.1	3836.3	3331.4	3056.4	3042.9	3232.2	3696.6	3732.6	3746.2	3872.4
30°	4233.0	4084.3	3624.5	3236.8	2948.2	2943.7	3236.8	3624.5	3615.4	3651.5	3777.7
32.5°	4102.3	3822.8	3385.5	3119.5	2844.5	2840.1	3205.2	3516.2	3507.2	3556.8	3651.5
35°	3980.5	3619.9	3060.9	2984.3	2713.8	2718.3	3128.6	3390.0	3394.6	3439.6	3498.2
37.5°	3854.4	3444.1	2704.8	2835.6	2587.6	2587.6	3024.9	3272.8	3263.8	3277.3	3358.5
40°	3705.6	3169.1	2389.3	2641.7	2470.4	2456.8	2898.7	3146.6	3115.0	3110.6	3223.3
42.5°	3547.8	2867.1	2154.8	2384.7	2335.2	2317.1	2745.3	2993.4	2934.8	2948.2	3092.5
45°	3376.5	2785.9	1974.5	2015.0	2195.4	2181.9	2578.6	2817.5	2777.0	2813.0	2961.7
47.5°	3205.2	2623.7	1915.9	1672.5	2046.7	2042.1	2393.8	2646.2	2623.7	2659.7	2817.5
50°	2970.8	2443.3	1911.4	1433.6	1879.8	1897.8	2172.8	2479.4	2479.4	2511.0	2677.8
52.5°	2668.7	2222.5	1735.6	1298.3	1686.0	1740.1	1979.0	2335.2	2344.1	2375.8	2524.5
55°	2393.8	1992.6	1609.3	1194.6	1456.1	1573.3	1789.7	2186.3	2204.5	2236.0	2371.2
57.5°	2141.3	1659.0	1582.3	1072.9	1244.2	1357.0	1622.9	2042.1	2051.2	2078.2	2208.9
60°	1870.8	1199.2	1451.6	942.2	1059.4	1145.1	1469.6	1870.8	1902.4	1920.4	2033.1
62.5°	1564.3	870.1	1316.4	852.0	969.3	987.3	1343.4	1708.5	1749.1	1762.6	1830.3
65°	1113.5	730.3	1118.0	775.4	874.6	879.0	1208.1	1541.7	1577.8	1600.4	1649.9
67.5°	752.8	595.0	852.0	703.2	802.4	806.9	1077.4	1347.9	1397.4	1415.6	1447.1
70°	522.9	396.7	631.1	626.6	721.3	730.3	937.6	1172.1	1217.2	1230.7	1248.7
72.5°	383.2	320.0	522.9	563.5	635.6	644.7	793.4	973.7	1018.8	1032.3	1041.4
75°	293.0	338.1	423.8	491.3	541.0	545.5	649.1	793.4	825.0	834.0	838.4
77.5°	234.4	315.6	311.1	396.7	441.8	432.8	509.4	613.1	640.2	640.2	640.2
80°	175.8	247.9	234.4	284.0	324.6	315.6	365.1	437.3	446.3	455.3	450.8
82.5°	130.7	157.8	157.8	180.4	216.4	207.3	243.4	284.0	284.0	284.0	293.0
85°	81.2	90.1	72.1	94.7	121.7	117.2	135.2	153.3	157.8	157.8	148.7
87.5°	49.6	40.6	22.6	36.1	54.1	54.1	63.1	67.6	63.1	63.1	63.1
90°	6.9	4.8	2.7	4.8	6.9	7.5	11.7	17.4	20.2	18.0	13.5
92.5°	47.0	28.8	10.7	28.8	47.0	51.5	72.4	100.3	114.2	100.1	71.8
95°	92.0	58.8	25.6	58.8	92.0	100.3	178.1	281.9	333.8	297.8	226.0
97.5°	102.9	73.6	44.3	73.6	102.9	110.2	239.9	413.0	499.5	476.8	431.4
100°	111.8	85.2	58.7	85.2	111.8	118.5	262.5	454.5	550.5	552.2	555.4
102.5°	120.5	95.7	71.0	95.7	120.5	126.7	272.8	467.5	564.9	593.8	651.6
105°	133.7	112.8	91.8	112.8	133.7	139.0	280.4	469.0	563.3	628.1	757.8
107.5°	152.3	132.7	113.1	132.7	152.3	157.2	281.9	448.1	531.2	621.7	802.7
110°	162.9	145.2	127.5	145.2	162.9	167.3	279.7	429.6	504.6	605.7	808.0



TEST NUMBER: P934173

CATALOG NUMBER: SQ4-FA-025U-125D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	175.4	158.5	141.7	158.5	175.4	179.6	279.8	413.5	480.3	583.9	790.9
115°	194.1	178.6	163.0	178.6	194.1	198.0	282.4	394.9	451.2	550.9	750.4
117.5°	212.3	198.2	184.1	198.2	212.3	215.9	287.6	383.3	431.2	521.3	701.3
120°	223.0	209.7	196.3	209.7	223.0	226.3	291.9	379.4	423.1	505.4	669.9
122.5°	235.1	221.8	208.4	221.8	235.1	238.5	298.0	377.3	417.0	491.1	639.2
125°	251.3	239.0	226.8	239.0	251.3	254.3	306.4	375.7	410.3	473.2	599.0
127.5°	266.4	254.1	241.7	254.1	266.4	269.5	314.6	374.7	404.8	458.7	566.8
130°	276.3	263.0	249.7	263.0	276.3	279.6	320.7	375.3	402.6	450.7	546.9
132.5°	284.6	271.3	258.1	271.3	284.6	287.9	325.5	375.7	400.8	443.8	530.0
135°	294.5	282.4	270.3	282.4	294.5	297.5	330.9	375.4	397.6	433.6	505.7
137.5°	306.7	294.8	282.8	294.8	306.7	309.7	338.9	377.7	397.0	427.5	488.4
140°	315.3	304.2	293.2	304.2	315.3	318.1	343.7	378.0	395.2	421.4	474.1
142.5°	321.6	311.4	301.2	311.4	321.6	324.2	347.8	379.4	395.2	418.2	464.5
145°	331.3	322.4	313.6	322.4	331.3	333.5	353.2	379.4	392.5	411.4	449.2
147.5°	343.1	334.4	325.8	334.4	343.1	345.3	361.0	382.0	392.5	407.4	437.2
150°	349.4	341.6	333.8	341.6	349.4	351.4	365.1	383.3	392.5	405.1	430.2
152.5°	353.9	348.0	342.1	348.0	353.9	355.4	367.7	384.2	392.5	403.2	424.7
155°	363.1	358.7	354.3	358.7	363.1	364.2	373.6	386.2	392.5	401.0	418.2
157.5°	372.0	367.6	363.4	367.6	372.0	373.0	379.5	388.1	392.5	399.2	412.4
160°	376.2	372.9	369.6	372.9	376.2	377.0	382.2	389.0	392.5	398.2	409.5
162.5°	380.7	378.2	375.7	378.2	380.7	381.3	385.0	390.0	392.5	397.3	406.9
165°	386.9	384.6	382.4	384.6	386.9	387.4	389.1	391.3	392.5	396.0	402.8
167.5°	390.6	389.6	388.5	389.6	390.6	390.9	392.3	394.2	395.2	397.4	401.9
170°	394.6	393.6	392.5	393.6	394.6	394.9	395.0	395.1	395.2	397.4	401.9
172.5°	395.1	394.9	394.6	394.9	395.1	395.2	395.2	395.2	395.2	396.9	400.5
175°	397.6	397.6	397.6	397.6	397.6	397.6	396.8	395.7	395.2	396.3	398.5
177.5°	397.6	397.6	397.6	397.6	397.6	397.6	396.9	396.1	395.7	396.6	398.4
180°	397.6	397.6	397.6	397.6	397.6	397.6	397.6	397.6	397.6	397.6	397.6



TEST NUMBER: P934173

CATALOG NUMBER: SQ4-FA-025U-125D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0	4765.0
2.5°	4598.2	4584.7	4602.7	4553.1	4602.7	4584.7	4598.2	4629.8	4602.7	4620.7	4638.7
5°	4034.7	4012.2	3940.0	3881.4	3940.0	4012.2	4034.7	4129.4	4174.4	4255.6	4363.7
7.5°	3606.4	3588.4	3570.4	3534.3	3570.4	3588.4	3606.4	3633.4	3678.5	3750.6	3831.8
10°	3511.8	3516.2	3543.3	3538.8	3543.3	3516.2	3511.8	3502.7	3489.2	3502.7	3552.4
12.5°	3755.2	3795.8	3944.5	3935.5	3944.5	3795.8	3755.2	3574.8	3453.2	3430.6	3439.6
15°	4034.7	4048.2	4079.7	4084.3	4079.7	4048.2	4034.7	3962.5	3597.4	3439.6	3390.0
17.5°	4061.7	4066.2	4088.8	4088.8	4088.8	4066.2	4061.7	4030.2	3908.4	3696.6	3417.1
20°	4039.2	4048.2	4093.3	4102.3	4093.3	4048.2	4039.2	3998.6	3931.0	3854.4	3642.5
22.5°	4030.2	4048.2	4084.3	4079.7	4084.3	4048.2	4030.2	3967.1	3908.4	3854.4	3768.7
25°	3985.1	3985.1	3989.6	3994.1	3989.6	3985.1	3985.1	3935.5	3818.3	3804.7	3755.2
27.5°	3890.4	3899.5	3926.5	3921.9	3926.5	3899.5	3890.4	3872.4	3746.2	3732.6	3696.6
30°	3804.7	3795.8	3773.2	3755.2	3773.2	3795.8	3804.7	3777.7	3651.5	3615.4	3624.5
32.5°	3660.5	3638.0	3615.4	3601.9	3615.4	3638.0	3660.5	3651.5	3556.8	3507.2	3516.2
35°	3489.2	3493.7	3489.2	3475.7	3489.2	3493.7	3489.2	3498.2	3439.6	3394.6	3390.0
37.5°	3367.5	3376.5	3372.0	3354.0	3372.0	3376.5	3367.5	3358.5	3277.3	3263.8	3272.8
40°	3241.3	3245.8	3241.3	3227.7	3241.3	3245.8	3241.3	3223.3	3110.6	3115.0	3146.6
42.5°	3119.5	3115.0	3101.5	3092.5	3101.5	3115.0	3119.5	3092.5	2948.2	2934.8	2993.4
45°	2979.8	2984.3	2957.2	2943.7	2957.2	2984.3	2979.8	2961.7	2813.0	2777.0	2817.5
47.5°	2840.1	2840.1	2817.5	2803.9	2817.5	2840.1	2840.1	2817.5	2659.7	2623.7	2646.2
50°	2691.3	2686.8	2655.2	2650.7	2655.2	2686.8	2691.3	2677.8	2511.0	2479.4	2479.4
52.5°	2520.0	2520.0	2524.5	2533.5	2524.5	2520.0	2520.0	2524.5	2375.8	2344.1	2335.2
55°	2371.2	2375.8	2407.3	2416.3	2407.3	2375.8	2371.2	2371.2	2236.0	2204.5	2186.3
57.5°	2218.0	2218.0	2240.5	2240.5	2240.5	2218.0	2218.0	2208.9	2078.2	2051.2	2042.1
60°	2042.1	2051.2	2069.2	2064.7	2069.2	2051.2	2042.1	2033.1	1920.4	1902.4	1870.8
62.5°	1857.3	1866.3	1870.8	1861.8	1870.8	1866.3	1857.3	1830.3	1762.6	1749.1	1708.5
65°	1663.5	1672.5	1677.0	1667.9	1677.0	1672.5	1663.5	1649.9	1600.4	1577.8	1541.7
67.5°	1465.1	1460.6	1456.1	1474.1	1456.1	1460.6	1465.1	1447.1	1415.6	1397.4	1347.9
70°	1262.2	1262.2	1257.8	1266.7	1257.8	1262.2	1262.2	1248.7	1230.7	1217.2	1172.1
72.5°	1045.9	1041.4	1059.4	1045.9	1059.4	1041.4	1045.9	1041.4	1032.3	1018.8	973.7
75°	834.0	843.0	834.0	847.5	834.0	843.0	834.0	838.4	834.0	825.0	793.4
77.5°	635.6	644.7	635.6	635.6	635.6	644.7	635.6	640.2	640.2	640.2	613.1
80°	450.8	446.3	446.3	441.8	446.3	446.3	450.8	450.8	455.3	446.3	437.3
82.5°	288.5	284.0	284.0	293.0	284.0	284.0	288.5	293.0	284.0	284.0	284.0
85°	157.8	162.3	153.3	153.3	153.3	162.3	157.8	148.7	157.8	157.8	153.3
87.5°	58.6	54.1	54.1	54.1	54.1	54.1	58.6	63.1	63.1	63.1	67.6
90°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	13.5	18.0	20.2	17.4
92.5°	50.7	48.7	40.7	32.6	40.7	48.7	50.7	71.8	100.1	114.2	100.3
95°	172.1	166.0	141.5	117.1	141.5	166.0	172.1	226.0	297.8	333.8	281.9
97.5°	397.3	385.7	339.2	292.7	339.2	385.7	397.3	431.4	476.8	499.5	413.0
100°	557.9	544.1	488.8	433.3	488.8	544.1	557.9	555.4	552.2	550.5	454.5
102.5°	695.0	683.1	635.7	588.3	635.7	683.1	695.0	651.6	593.8	564.9	467.5
105°	855.1	848.8	823.3	797.8	823.3	848.8	855.1	757.8	628.1	563.3	469.0
107.5°	938.4	939.9	946.2	952.3	946.2	939.9	938.4	802.7	621.7	531.2	448.1
110°	959.8	966.4	993.0	1019.5	993.0	966.4	959.8	808.0	605.7	504.6	429.6



TEST NUMBER: P934173

CATALOG NUMBER: SQ4-FA-025U-125D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	946.2	956.4	997.1	1037.9	997.1	956.4	946.2	790.9	583.9	480.3	413.5
115°	900.0	914.1	970.7	1027.2	970.7	914.1	900.0	750.4	550.9	451.2	394.9
117.5°	836.2	851.9	914.6	977.3	914.6	851.9	836.2	701.3	521.3	431.2	383.3
120°	793.3	808.5	869.4	930.4	869.4	808.5	793.3	669.9	505.4	423.1	379.4
122.5°	750.3	765.3	825.5	885.6	825.5	765.3	750.3	639.2	491.1	417.0	377.3
125°	693.4	707.3	762.6	818.0	762.6	707.3	693.4	599.0	473.2	410.3	375.7
127.5°	647.8	659.5	706.2	752.9	706.2	659.5	647.8	566.8	458.7	404.8	374.7
130°	619.0	629.9	673.0	716.2	673.0	629.9	619.0	546.9	450.7	402.6	375.3
132.5°	594.5	604.2	642.8	681.5	642.8	604.2	594.5	530.0	443.8	400.8	375.7
135°	559.8	568.1	601.4	634.7	601.4	568.1	559.8	505.7	433.6	397.6	375.4
137.5°	534.1	541.0	568.2	595.6	568.2	541.0	534.1	488.4	427.5	397.0	377.7
140°	513.6	520.0	545.5	571.0	545.5	520.0	513.6	474.1	421.4	395.2	378.0
142.5°	499.2	504.7	526.7	548.6	526.7	504.7	499.2	464.5	418.2	395.2	379.4
145°	477.6	481.7	498.3	515.0	498.3	481.7	477.6	449.2	411.4	392.5	379.4
147.5°	459.5	462.9	476.7	490.4	476.7	462.9	459.5	437.2	407.4	392.5	382.0
150°	449.1	451.8	463.0	474.1	463.0	451.8	449.1	430.2	405.1	392.5	383.3
152.5°	440.8	442.9	451.3	459.7	451.3	442.9	440.8	424.7	403.2	392.5	384.2
155°	430.9	432.4	437.9	443.5	437.9	432.4	430.9	418.2	401.0	392.5	386.2
157.5°	422.3	423.3	427.3	431.2	427.3	423.3	422.3	412.4	399.2	392.5	388.1
160°	418.1	418.6	420.9	423.1	420.9	418.6	418.1	409.5	398.2	392.5	389.0
162.5°	414.1	414.6	416.7	418.9	416.7	414.6	414.1	406.9	397.3	392.5	390.0
165°	407.9	408.5	410.8	413.0	410.8	408.5	407.9	402.8	396.0	392.5	391.3
167.5°	405.3	405.5	406.4	407.4	406.4	405.5	405.3	401.9	397.4	395.2	394.2
170°	405.3	405.3	405.3	405.3	405.3	405.3	405.3	401.9	397.4	395.2	395.1
172.5°	403.2	403.0	402.1	401.3	402.1	403.0	403.2	400.5	396.9	395.2	395.2
175°	400.2	400.2	400.2	400.2	400.2	400.2	400.2	398.5	396.3	395.2	395.7
177.5°	399.7	399.4	398.5	397.6	398.5	399.4	399.7	398.4	396.6	395.7	396.1
180°	397.6	397.6	397.6	397.6	397.6	397.6	397.6	397.6	397.6	397.6	397.6



TEST NUMBER: P934173
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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4765.0	4765.0	4765.0	4765.0	4765.0
2.5°	4706.4	4729.0	4742.5	4760.5	4805.6
5°	4526.0	4611.7	4638.7	4706.4	4787.5
7.5°	4129.4	4390.8	4462.9	4625.2	4751.4
10°	3746.2	4007.6	4133.8	4517.1	4706.4
12.5°	3552.4	3705.6	3791.2	4327.7	4643.3
15°	3430.6	3538.8	3601.9	4075.2	4571.2
17.5°	3335.9	3412.6	3457.7	3827.3	4472.0
20°	3277.3	3313.4	3354.0	3647.0	4359.3
22.5°	3236.8	3214.2	3245.8	3520.7	4206.0
25°	3209.7	3124.1	3160.1	3421.6	4025.7
27.5°	3232.2	3042.9	3056.4	3331.4	3836.3
30°	3236.8	2943.7	2948.2	3236.8	3624.5
32.5°	3205.2	2840.1	2844.5	3119.5	3385.5
35°	3128.6	2718.3	2713.8	2984.3	3060.9
37.5°	3024.9	2587.6	2587.6	2835.6	2704.8
40°	2898.7	2456.8	2470.4	2641.7	2389.3
42.5°	2745.3	2317.1	2335.2	2384.7	2154.8
45°	2578.6	2181.9	2195.4	2015.0	1974.5
47.5°	2393.8	2042.1	2046.7	1672.5	1915.9
50°	2172.8	1897.8	1879.8	1433.6	1911.4
52.5°	1979.0	1740.1	1686.0	1298.3	1735.6
55°	1789.7	1573.3	1456.1	1194.6	1609.3
57.5°	1622.9	1357.0	1244.2	1072.9	1582.3
60°	1469.6	1145.1	1059.4	942.2	1451.6
62.5°	1343.4	987.3	969.3	852.0	1316.4
65°	1208.1	879.0	874.6	775.4	1118.0
67.5°	1077.4	806.9	802.4	703.2	852.0
70°	937.6	730.3	721.3	626.6	631.1
72.5°	793.4	644.7	635.6	563.5	522.9
75°	649.1	545.5	541.0	491.3	423.8
77.5°	509.4	432.8	441.8	396.7	311.1
80°	365.1	315.6	324.6	284.0	234.4
82.5°	243.4	207.3	216.4	180.4	157.8
85°	135.2	117.2	121.7	94.7	72.1
87.5°	63.1	54.1	54.1	36.1	22.6
90°	11.7	7.5	6.9	4.8	2.7
92.5°	72.4	51.5	47.0	28.8	10.7
95°	178.1	100.3	92.0	58.8	25.6
97.5°	239.9	110.2	102.9	73.6	44.3
100°	262.5	118.5	111.8	85.2	58.7
102.5°	272.8	126.7	120.5	95.7	71.0
105°	280.4	139.0	133.7	112.8	91.8
107.5°	281.9	157.2	152.3	132.7	113.1
110°	279.7	167.3	162.9	145.2	127.5



TEST NUMBER: P934173

CATALOG NUMBER: SQ4-FA-025U-125D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	279.8	179.6	175.4	158.5	141.7
115°	282.4	198.0	194.1	178.6	163.0
117.5°	287.6	215.9	212.3	198.2	184.1
120°	291.9	226.3	223.0	209.7	196.3
122.5°	298.0	238.5	235.1	221.8	208.4
125°	306.4	254.3	251.3	239.0	226.8
127.5°	314.6	269.5	266.4	254.1	241.7
130°	320.7	279.6	276.3	263.0	249.7
132.5°	325.5	287.9	284.6	271.3	258.1
135°	330.9	297.5	294.5	282.4	270.3
137.5°	338.9	309.7	306.7	294.8	282.8
140°	343.7	318.1	315.3	304.2	293.2
142.5°	347.8	324.2	321.6	311.4	301.2
145°	353.2	333.5	331.3	322.4	313.6
147.5°	361.0	345.3	343.1	334.4	325.8
150°	365.1	351.4	349.4	341.6	333.8
152.5°	367.7	355.4	353.9	348.0	342.1
155°	373.6	364.2	363.1	358.7	354.3
157.5°	379.5	373.0	372.0	367.6	363.4
160°	382.2	377.0	376.2	372.9	369.6
162.5°	385.0	381.3	380.7	378.2	375.7
165°	389.1	387.4	386.9	384.6	382.4
167.5°	392.3	390.9	390.6	389.6	388.5
170°	395.0	394.9	394.6	393.6	392.5
172.5°	395.2	395.2	395.1	394.9	394.6
175°	396.8	397.6	397.6	397.6	397.6
177.5°	396.9	397.6	397.6	397.6	397.6
180°	397.6	397.6	397.6	397.6	397.6



TEST NUMBER: P934173
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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	16.77	18.03	17.38	18.65	19.37	19.62	20.88	20.24	21.51	22.22
	3H	17.28	18.41	17.90	19.04	19.79	21.00	22.14	21.63	22.77	23.52
	4H	17.49	18.55	18.13	19.20	19.96	21.47	22.54	22.12	23.18	23.95
	6H	17.62	18.61	18.29	19.27	20.04	21.78	22.77	22.44	23.42	24.20
	8H	17.64	18.58	18.31	19.26	20.04	21.87	22.81	22.54	23.49	24.27
	12H	17.62	18.52	18.30	19.19	20.00	21.92	22.82	22.60	23.49	24.30
4H	2H	17.85	18.92	18.51	19.57	20.33	20.08	21.14	20.73	21.79	22.55
	3H	18.92	19.81	19.58	20.50	21.27	21.63	22.52	22.29	23.20	23.98
	4H	19.21	20.02	19.89	20.71	21.52	22.17	22.98	22.85	23.67	24.48
	6H	19.36	20.06	20.06	20.77	21.60	22.57	23.27	23.27	23.98	24.81
	8H	19.37	20.03	20.08	20.74	21.57	22.69	23.34	23.39	24.05	24.89
	12H	19.36	19.95	20.08	20.69	21.52	22.77	23.35	23.49	24.09	24.93
8H	4H	19.70	20.35	20.40	21.07	21.90	22.33	22.98	23.04	23.70	24.53
	6H	19.98	20.52	20.71	21.28	22.11	22.79	23.33	23.52	24.09	24.92
	8H	20.02	20.51	20.77	21.27	22.12	22.95	23.43	23.70	24.19	25.04
	12H	20.03	20.45	20.78	21.20	22.11	23.07	23.49	23.82	24.24	25.16
12H	4H	19.72	20.31	20.45	21.05	21.89	22.31	22.90	23.04	23.64	24.48
	6H	20.04	20.53	20.79	21.29	22.14	22.79	23.27	23.54	24.03	24.88
	8H	20.13	20.55	20.88	21.30	22.21	22.97	23.40	23.72	24.15	25.06