

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: ALL-PRO

Report Number: P167651

Luminaire Tested: **REV2XX35-180DEGREES**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P167651
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33939)
Test Lab: INNOVATION CENTER P2
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: ALL-PRO
Catalog Number: REV2XX35-180DEGREES
Description: R-EVOLVE WITH TWIN OPTICS.
(2) LEDS WITH OPTICS ORIENTED AT 180 DEGREES APART
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2150.5 lumens
Efficiency: N/A
Efficacy: 80.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.75' x L: 0.25' x H: 0.04')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - U2 - G1

Input Watts (W): 26.7
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: 25 FT

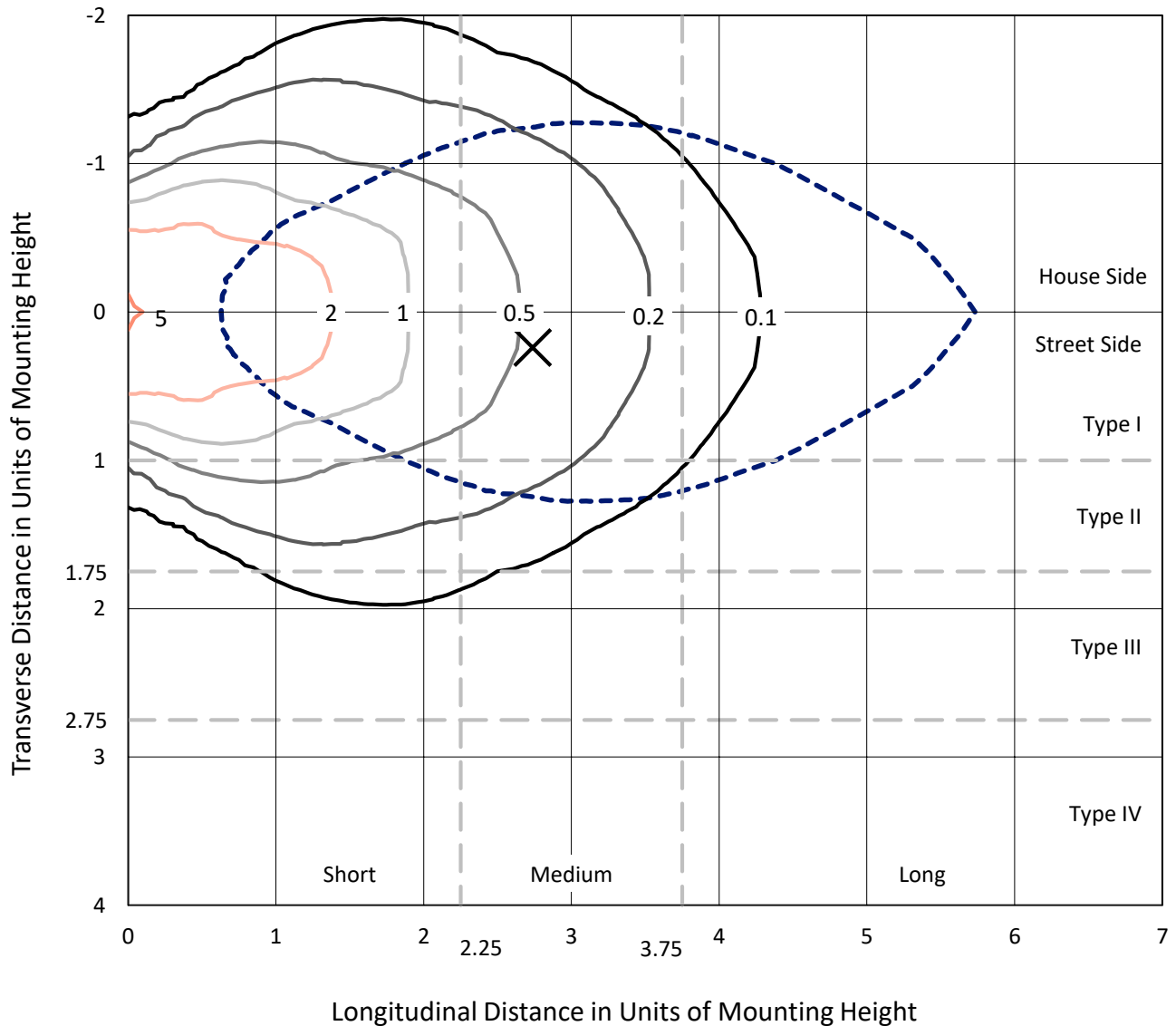


REPORT NUMBER: P167651

CATALOG NUMBER: REV2XX35-180DEGREES

Iso-Footcandle Lines of Horizontal Illumination

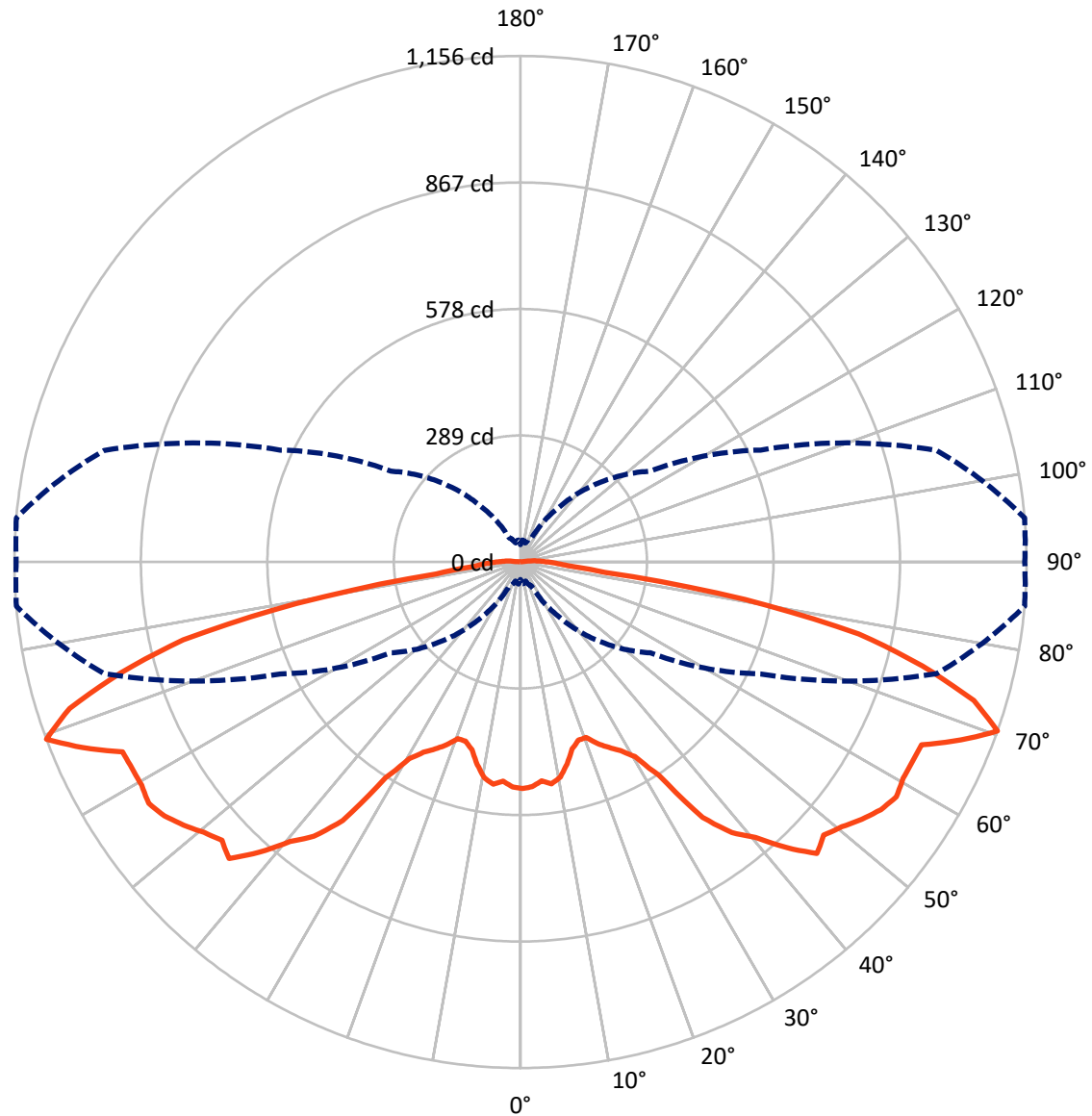
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.2 fc
 Type II - Medium - Non-Cutoff

REPORT NUMBER: P167651
CATALOG NUMBER: REV2XX35-180DEGREES

Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P167651

CATALOG NUMBER: REV2XX35-180DEGREES

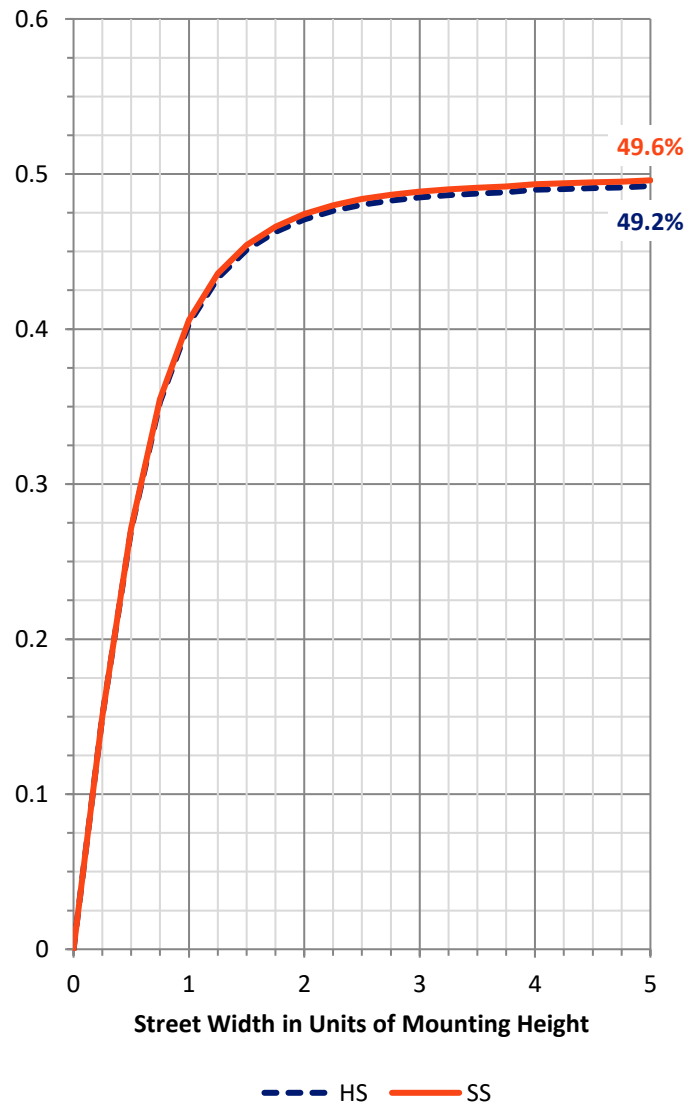
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1070.0	5.2	1075.2
	% Fixture	49.8	0.2	50.0
Street Side	Lumens	1070.0	5.2	1075.3
	% Fixture	49.8	0.2	50.0
Total	Lumens	2140.0	10.5	2150.5
	% Fixture	99.5	0.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.8	2.2
10°-20°	128.0	6.0
20°-30°	190.5	8.9
30°-40°	268.5	12.5
40°-50°	347.2	16.1
50°-60°	388.6	18.1
60°-70°	407.9	19.0
70°-80°	305.2	14.2
80°-90°	56.3	2.6
90°-100°	10.5	0.5
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2140.0	99.5
0°-180°	2150.5	100.0



REPORT NUMBER: P167651

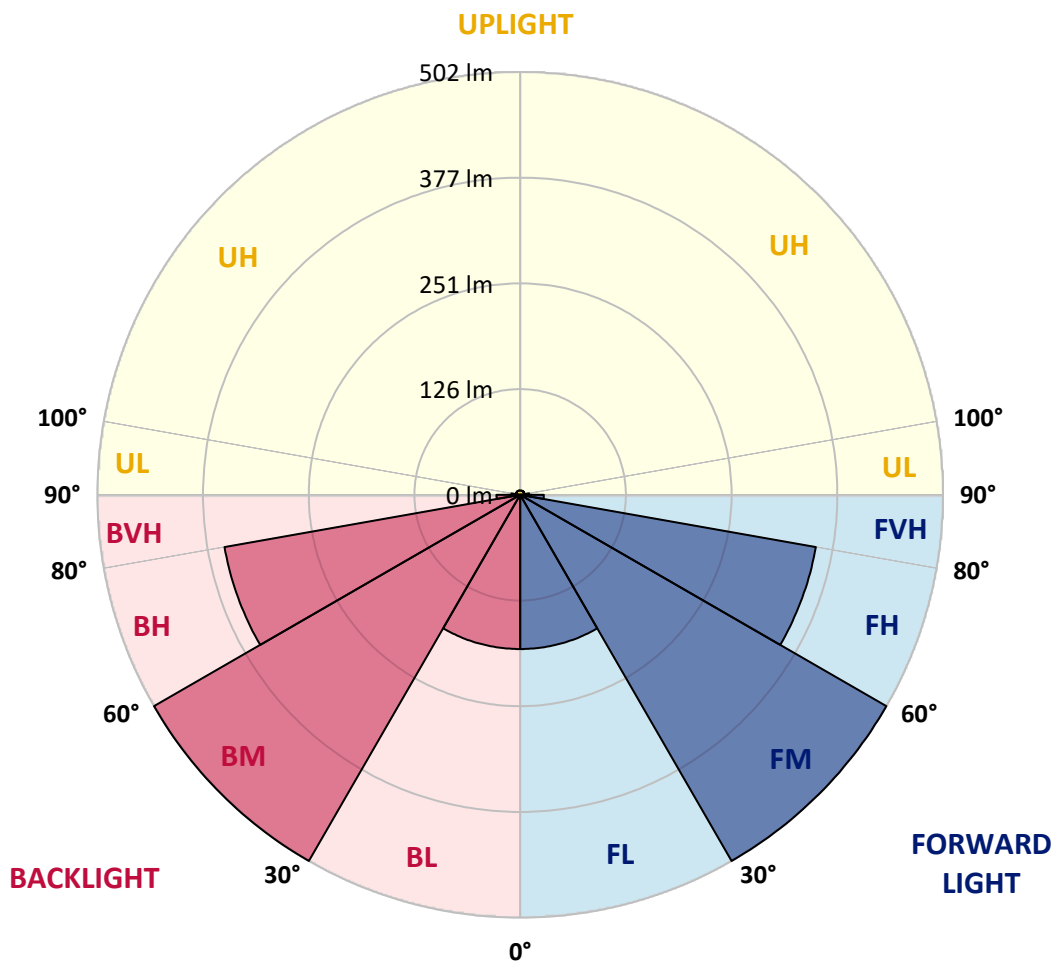
CATALOG NUMBER: REV2XX35-180DEGREES

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	183.1	8.5			
FM	(30°-60°)	502.2	23.4			
FH	(60°-80°)	356.6	16.6			G0/660
FVH	(80°-90°)	28.1	1.3			G1/100
BL	(0°-30°)	183.1	8.5	B1/500		
BM	(30°-60°)	502.1	23.4	B1/1000		
BH	(60°-80°)	356.5	16.6	B1/500		G1/500
BVH	(80°-90°)	28.1	1.3			G1/100
UL	(90°-100°)	10.5	0.5		U2/50	
UH	(100°-180°)	5.2	0.2		U1/10	

BUG Rating: B1-U2-G1

Type II Medium





REPORT NUMBER: P167651

CATALOG NUMBER: REV2XX35-180DEGREES

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	517.8	517.8	517.8	517.8	517.8	517.8	517.8	517.8	517.8	517.8	517.8
2.5°	520.5	517.8	517.8	516.5	513.8	509.9	513.9	516.5	516.5	515.2	515.2
5°	517.8	516.5	513.9	508.6	504.6	500.6	503.3	503.3	502.0	498.1	500.7
7.5°	509.9	507.2	503.3	496.6	492.7	486.1	487.5	488.8	488.8	487.5	494.2
10°	499.2	495.3	490.0	483.4	476.8	468.9	475.6	479.6	482.3	485.0	490.3
12.5°	483.3	480.7	474.1	467.5	463.6	459.7	467.7	474.4	479.7	483.8	486.5
15°	454.1	452.8	448.9	445.0	447.7	449.1	457.2	465.2	467.9	469.2	469.3
17.5°	419.6	417.0	421.1	425.2	430.5	435.9	442.6	448.0	449.3	449.4	448.0
20°	382.4	383.8	394.5	403.9	414.6	422.7	430.7	437.4	436.1	432.1	432.1
22.5°	353.2	359.9	369.3	376.0	388.1	400.1	413.5	425.5	425.5	424.2	425.5
25°	334.6	334.7	338.8	342.9	357.5	370.9	392.2	410.9	416.2	421.5	429.5
27.5°	313.3	310.8	313.6	315.0	328.3	341.7	367.0	392.3	408.2	421.5	436.1
30°	289.4	285.6	289.7	291.1	308.5	325.8	349.7	372.4	401.6	428.2	445.5
32.5°	254.9	253.7	261.8	269.9	295.2	319.2	345.8	372.4	400.3	426.9	446.8
35°	215.1	216.6	235.3	251.3	283.2	315.2	351.1	384.4	404.3	422.9	433.6
37.5°	175.3	179.4	204.7	228.7	270.0	309.9	351.1	391.0	409.7	428.3	428.3
40°	135.4	146.2	178.1	207.4	251.3	292.6	333.8	373.8	397.7	419.0	432.3
42.5°	95.6	110.3	144.9	178.2	224.8	270.0	313.9	357.8	383.1	407.0	437.6
45°	66.4	81.1	117.0	151.6	198.2	243.4	292.6	341.8	373.8	405.7	440.3
47.5°	50.5	61.1	93.0	123.7	171.6	218.1	270.0	319.2	361.8	404.4	440.3
50°	47.8	50.5	74.4	97.1	142.3	187.5	242.1	295.3	347.2	396.4	433.7
52.5°	45.1	47.8	62.5	75.8	118.4	160.9	214.2	267.4	325.9	383.1	420.4
55°	42.5	43.8	54.5	62.5	101.1	137.0	190.2	242.1	303.3	363.2	401.7
57.5°	39.8	41.2	47.8	51.8	85.1	117.0	166.3	215.5	276.7	337.9	384.5
60°	39.8	39.8	43.8	45.2	73.1	99.7	149.0	196.9	260.7	321.9	371.2
62.5°	39.8	39.8	42.5	43.9	66.5	89.1	138.3	186.2	247.4	308.6	355.2
65°	39.8	41.2	43.8	43.8	62.5	79.8	127.7	174.3	224.8	275.4	328.6
67.5°	39.8	42.5	43.8	43.8	61.1	75.8	121.0	164.9	215.5	266.1	320.6
70°	39.8	50.4	47.8	45.1	54.5	61.2	107.7	151.6	204.9	256.7	310.0
72.5°	47.8	61.0	55.7	49.1	47.8	43.9	79.8	115.7	171.6	226.1	272.7
75°	34.5	58.4	58.4	55.7	46.4	35.9	50.5	65.2	114.4	162.3	207.5
77.5°	18.6	33.2	43.8	53.1	47.8	39.8	35.9	31.9	57.2	81.1	129.0
80°	15.9	17.3	33.2	46.4	41.1	34.5	29.2	22.6	30.6	37.2	51.9
82.5°	10.6	11.9	23.9	34.5	31.8	26.5	23.9	18.6	23.9	26.6	37.2
85°	5.3	8.0	15.9	22.6	19.9	15.9	15.9	14.6	18.6	21.3	30.6
87.5°	5.3	5.3	9.3	13.3	13.3	11.9	13.3	13.3	17.3	18.6	25.3
90°	2.7	2.7	5.3	6.6	9.3	9.3	10.6	10.6	13.3	14.6	17.3
92.5°	2.7	2.7	4.0	5.3	8.0	8.0	8.0	6.6	8.0	9.3	13.3
95°	2.7	2.7	4.0	4.0	4.0	4.0	5.3	4.0	5.3	6.6	10.6
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P167651

CATALOG NUMBER: REV2XX35-180DEGREES

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P167651

CATALOG NUMBER: REV2XX35-180DEGREES

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	517.8	517.8	517.8	517.8	517.8	517.8	517.8	517.8	517.8	517.8	517.8
2.5°	513.9	512.6	508.6	511.3	512.6	513.9	513.9	508.6	513.9	513.9	512.6
5°	500.7	499.4	496.8	500.8	502.1	503.5	502.1	500.8	502.1	503.5	502.1
7.5°	499.6	500.9	500.9	506.2	508.9	510.2	511.6	507.6	511.6	510.2	508.9
10°	495.7	494.4	491.7	495.7	498.4	499.7	499.7	497.1	499.7	499.7	498.4
12.5°	486.5	482.5	477.2	477.2	475.9	474.6	473.3	469.3	473.3	474.6	475.9
15°	467.9	462.6	457.3	453.4	449.4	446.7	442.7	436.1	442.7	446.7	449.4
17.5°	444.1	441.4	437.4	436.1	433.4	430.8	428.1	421.4	428.1	430.8	433.4
20°	429.5	428.1	426.8	426.8	425.4	426.7	428.0	422.7	428.0	426.7	425.4
22.5°	425.5	432.1	437.4	438.7	438.7	445.3	450.6	450.6	450.6	445.3	438.7
25°	434.8	444.1	452.0	454.7	457.3	463.9	469.2	469.2	469.2	463.9	457.3
27.5°	449.4	458.7	465.3	472.0	475.9	482.6	487.9	490.5	487.9	482.6	475.9
30°	461.4	474.7	488.0	493.3	498.6	507.9	515.9	518.5	515.9	507.9	498.6
32.5°	465.4	484.0	502.6	518.6	533.2	557.2	581.1	585.1	581.1	557.2	533.2
35°	444.2	474.8	504.0	561.2	617.1	667.6	716.8	730.1	716.8	667.6	617.1
37.5°	426.9	484.1	538.6	595.8	651.7	719.5	784.7	808.6	784.7	718.2	651.7
40°	444.2	502.7	559.9	617.1	673.0	750.1	827.3	844.6	827.3	750.1	673.0
42.5°	466.9	522.7	578.6	667.7	755.5	824.6	892.5	887.1	892.5	823.3	755.5
45°	472.2	533.4	593.2	719.6	843.3	896.5	949.7	977.6	949.7	896.5	843.3
47.5°	473.6	556.0	638.5	754.2	869.9	901.8	932.4	969.7	932.4	901.8	869.9
50°	469.6	573.3	677.1	780.8	883.2	917.8	951.0	992.3	951.0	917.8	883.2
52.5°	456.3	572.0	686.4	800.8	915.2	945.8	976.3	1000.3	976.3	945.8	915.2
55°	439.0	556.1	671.8	815.4	957.8	979.0	999.0	971.0	999.0	979.0	957.8
57.5°	429.7	544.1	658.5	816.8	975.1	995.0	1012.3	951.1	1012.3	995.0	975.1
60°	420.4	541.4	661.2	823.4	983.1	995.0	1004.3	948.5	1004.3	995.0	983.1
62.5°	399.1	534.8	667.8	828.8	989.7	997.7	1004.4	932.5	1004.4	997.7	989.7
65°	381.8	522.8	663.8	831.5	997.7	1003.0	1007.0	987.0	1007.0	1003.0	997.7
67.5°	375.1	509.5	642.6	824.8	1005.7	1046.9	1085.5	1089.5	1085.5	1046.9	1005.7
70°	361.8	484.2	605.3	795.5	984.4	1070.9	1156.0	1152.1	1156.0	1070.9	984.4
72.5°	319.3	424.4	529.5	703.8	876.7	980.5	1082.9	1088.2	1082.9	980.5	876.7
75°	252.8	335.2	416.4	566.7	714.4	832.8	948.5	928.6	948.5	831.5	714.4
77.5°	175.6	234.1	291.3	403.1	514.8	653.2	790.2	827.5	790.2	651.9	514.8
80°	63.9	101.1	135.7	182.2	227.5	373.8	520.2	592.0	520.2	373.8	227.5
82.5°	45.2	61.2	75.8	93.1	109.1	151.6	194.2	235.5	194.2	151.6	109.1
85°	37.2	47.9	57.2	70.5	82.5	95.8	107.7	110.4	107.7	95.8	82.5
87.5°	29.3	35.9	41.2	49.2	54.5	69.2	81.1	87.8	81.1	69.2	54.5
90°	18.6	25.3	29.3	35.9	41.2	50.5	58.5	63.8	58.5	50.5	41.2
92.5°	16.0	18.6	21.3	27.9	31.9	37.2	41.2	41.2	41.2	37.2	31.9
95°	12.0	13.3	14.6	18.6	22.6	26.6	29.3	29.3	29.3	26.6	22.6
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P167651

CATALOG NUMBER: REV2XX35-180DEGREES

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P167651

CATALOG NUMBER: REV2XX35-180DEGREES

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	517.8	517.8	517.8	517.8	517.8	517.8	517.8	517.8	517.8	517.8	517.8
2.5°	511.3	508.6	512.6	513.9	515.2	515.2	516.5	516.5	513.9	509.9	513.8
5°	500.8	496.8	499.4	500.7	500.7	498.1	502.0	503.3	503.3	500.6	504.6
7.5°	506.2	500.9	500.9	499.6	494.2	487.5	488.8	488.8	487.5	486.1	492.7
10°	495.7	491.7	494.4	495.7	490.3	485.0	482.3	479.6	475.6	468.9	476.8
12.5°	477.2	477.2	482.5	486.5	486.5	483.8	479.7	474.4	467.7	459.7	463.6
15°	453.4	457.3	462.6	467.9	469.3	469.2	467.9	465.2	457.2	449.1	447.7
17.5°	436.1	437.4	441.4	444.1	448.0	449.4	449.3	448.0	442.6	435.9	430.5
20°	426.8	426.8	428.1	429.5	432.1	432.1	436.1	437.4	430.7	422.7	414.6
22.5°	438.7	437.4	432.1	425.5	425.5	424.2	425.5	425.5	413.5	400.1	388.1
25°	454.7	452.0	444.1	434.8	429.5	421.5	416.2	410.9	392.2	370.9	357.5
27.5°	472.0	465.3	458.7	449.4	436.1	421.5	408.2	392.3	367.0	341.7	328.3
30°	493.3	488.0	474.7	461.4	445.5	428.2	401.6	372.4	349.7	325.8	308.5
32.5°	518.6	502.6	484.0	465.4	446.8	426.9	400.3	372.4	345.8	319.2	295.2
35°	561.2	504.0	473.4	444.2	433.6	422.9	404.3	384.4	351.1	315.2	283.2
37.5°	595.8	538.6	482.8	426.9	428.3	428.3	409.7	391.0	351.1	309.9	270.0
40°	617.1	559.9	502.7	444.2	432.3	419.0	397.7	373.8	333.8	292.6	251.3
42.5°	667.7	578.6	522.7	466.9	437.6	407.0	383.1	357.8	313.9	270.0	224.8
45°	719.6	593.2	533.4	472.2	440.3	405.7	373.8	341.8	292.6	243.4	198.2
47.5°	754.2	638.5	556.0	473.6	440.3	404.4	361.8	319.2	270.0	218.1	171.6
50°	780.8	677.1	573.3	469.6	433.7	396.4	347.2	295.3	242.1	187.5	142.3
52.5°	800.8	686.4	570.7	456.3	420.4	383.1	325.9	267.4	214.2	160.9	118.4
55°	815.4	671.8	556.1	439.0	401.7	363.2	303.3	242.1	190.2	137.0	101.1
57.5°	816.8	658.5	544.1	429.7	384.5	337.9	276.7	215.5	166.3	117.0	85.1
60°	823.4	661.2	541.4	420.4	371.2	321.9	260.7	196.9	149.0	99.7	73.1
62.5°	828.8	667.8	533.4	399.1	355.2	308.6	247.4	186.2	138.3	89.1	66.5
65°	831.5	663.8	522.8	381.8	328.6	275.4	224.8	174.3	127.7	79.8	62.5
67.5°	824.8	642.6	508.2	375.1	320.6	266.1	215.5	164.9	121.0	75.8	61.1
70°	795.5	605.3	484.2	361.8	310.0	256.7	204.9	151.6	107.7	61.2	54.5
72.5°	703.8	529.5	424.4	319.3	272.7	226.1	171.6	115.7	79.8	43.9	47.8
75°	566.7	416.4	335.2	252.8	207.5	162.3	114.4	65.2	50.5	35.9	46.4
77.5°	403.1	291.3	234.1	175.6	129.0	81.1	57.2	31.9	35.9	39.8	47.8
80°	182.2	135.7	99.8	63.9	51.9	37.2	30.6	22.6	29.2	34.5	41.1
82.5°	93.1	75.8	61.2	45.2	37.2	26.6	23.9	18.6	23.9	26.5	31.8
85°	70.5	57.2	47.9	37.2	30.6	21.3	18.6	14.6	15.9	15.9	19.9
87.5°	49.2	41.2	35.9	29.3	25.3	18.6	17.3	13.3	13.3	11.9	13.3
90°	35.9	29.3	25.3	18.6	17.3	14.6	13.3	10.6	10.6	9.3	9.3
92.5°	27.9	21.3	18.6	16.0	13.3	9.3	8.0	6.6	8.0	8.0	8.0
95°	18.6	14.6	13.3	12.0	10.6	6.6	5.3	4.0	5.3	4.0	4.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P167651
 CATALOG NUMBER: REV2XX35-180DEGREES

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°	
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0°
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5°
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5°
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5°
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10°
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5°
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15°
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5°
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20°
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5°
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25°
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.5°
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30°
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5°
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35°
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.5°
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40°
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.5°
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45°
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.5°
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50°
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.5°
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55°
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.5°
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°
												70°
												72.5°
												75°
												77.5°
												80°
												82.5°
												85°
												87.5°
												90°
												92.5°
												95°
												97.5°
												100°
												102.5°
												105°
												107.5°
												110°

NUMBER: P167651
 NUMBER: REV2XX35-180DEGREES

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

165°	170°	175°	180°
517.8	517.8	517.8	517.8
516.5	517.8	517.8	520.5
508.6	513.9	516.5	517.8
496.6	503.3	507.2	509.9
483.4	490.0	495.3	499.2
467.5	474.1	480.7	483.3
445.0	448.9	452.8	454.1
425.2	421.1	417.0	419.6
403.9	394.5	383.8	382.4
376.0	369.3	359.9	353.2
342.9	338.8	334.7	334.6
315.0	313.6	310.8	313.3
291.1	289.7	285.6	289.4
269.9	261.8	253.7	254.9
251.3	235.3	216.6	215.1
228.7	204.7	179.4	175.3
207.4	178.1	146.2	135.4
178.2	144.9	110.3	95.6
151.6	117.0	81.1	66.4
123.7	93.0	61.1	50.5
97.1	74.4	50.5	47.8
75.8	62.5	47.8	45.1
62.5	54.5	43.8	42.5
51.8	47.8	41.2	39.8
45.2	43.8	39.8	39.8
43.9	42.5	39.8	39.8
43.8	43.8	41.2	39.8
43.8	43.8	42.5	39.8
45.1	47.8	50.4	39.8
49.1	55.7	61.0	47.8
55.7	58.4	58.4	34.5
53.1	43.8	33.2	18.6
46.4	33.2	17.3	15.9
34.5	23.9	11.9	10.6
22.6	15.9	8.0	5.3
13.3	9.3	5.3	5.3
6.6	5.3	2.7	2.7
5.3	4.0	2.7	2.7
4.0	4.0	2.7	2.7
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0

CANDELA DISTRIBUTION:

	165°
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.0
122.5°	0.0
125°	0.0
127.5°	0.0
130°	0.0
132.5°	0.0
135°	0.0
137.5°	0.0
140°	0.0
142.5°	0.0
145°	0.0
147.5°	0.0
150°	0.0
152.5°	0.0
155°	0.0
157.5°	0.0
160°	0.0
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0



'167651

REV2XX35-180DEGREES

TION (continued):

170°	175°	180°
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0

(END OF REPORT)