

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: P167656

Luminaire Tested: **REV3XX50-120DEGREES**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P167656
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: REV3XX50-120DEGREES
Description: R-EVOLVE WITH TRIPLE OPTICS.
(3) LEDS WITH OPTICS ORIENTED 120 DEGREES APART
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2399.8 lumens
Efficiency: N/A
Efficacy: 77.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.75' x L: 0.25' x H: 0.04')
IES Classification: Type - Short - Semi-Cutoff
BUG Rating: B1 - U2 - G1

Input Watts (W): 31
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

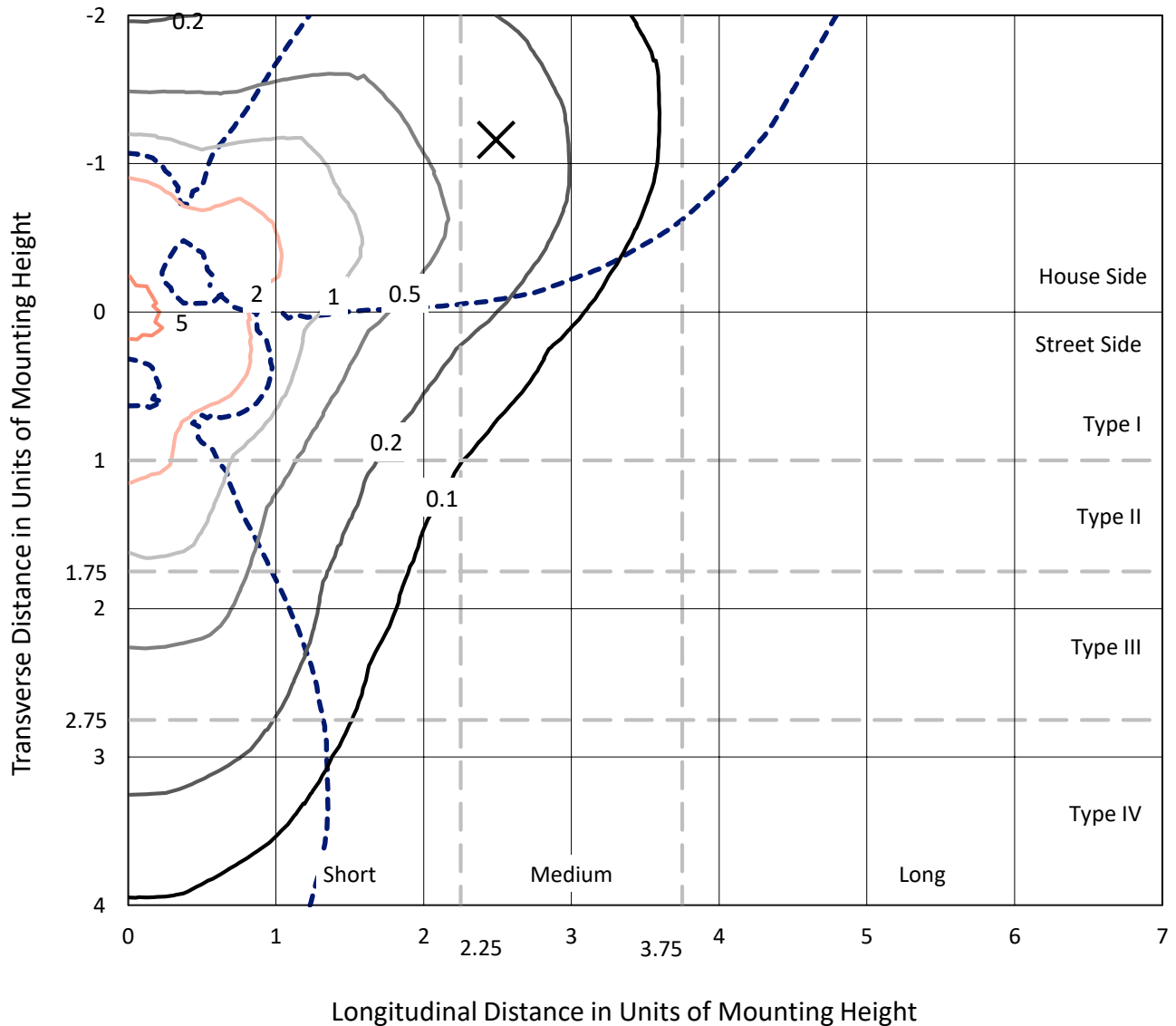


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Iso-Footcandle Lines of Horizontal Illumination

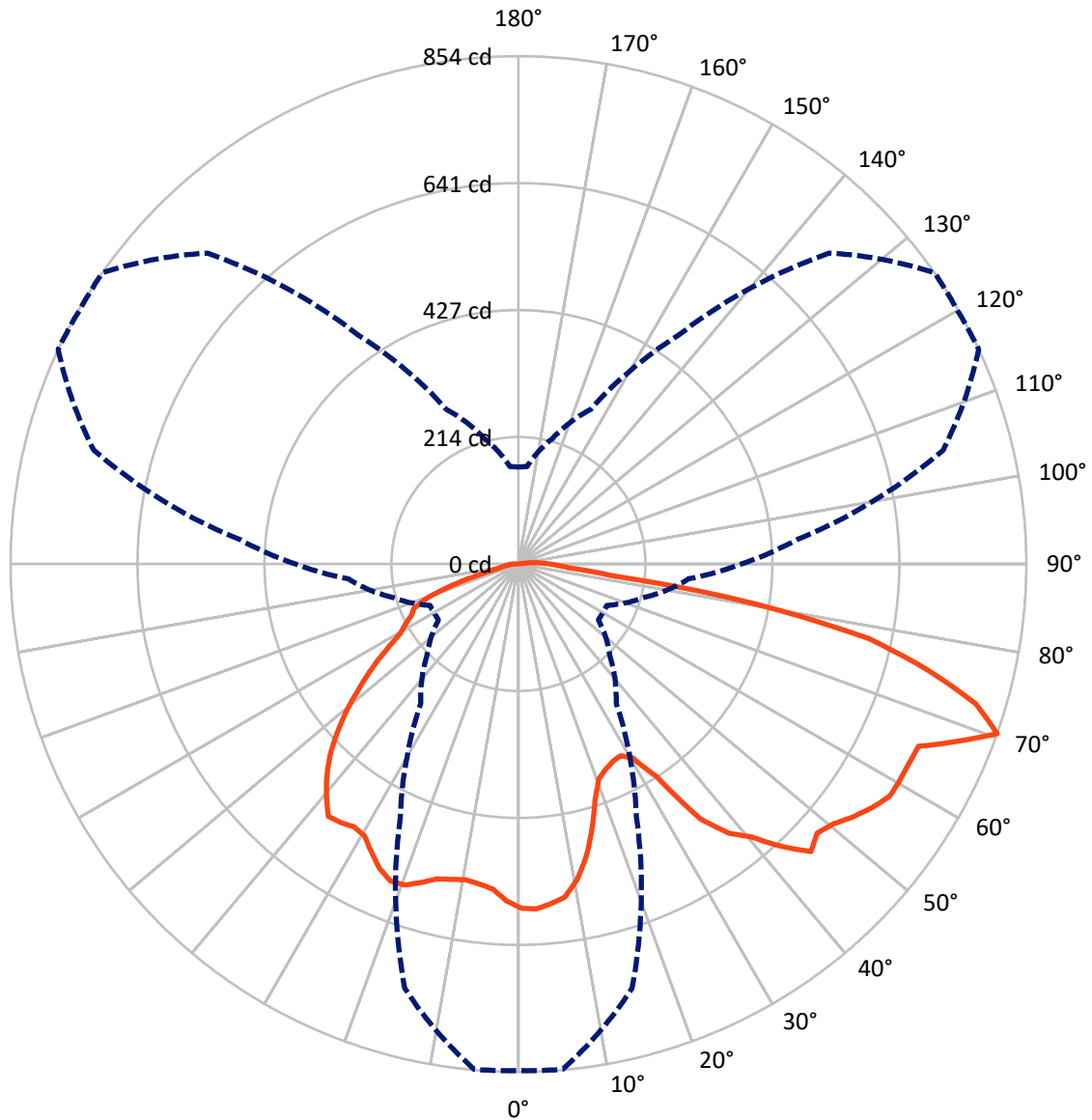
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.8 fc
 Type - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 115-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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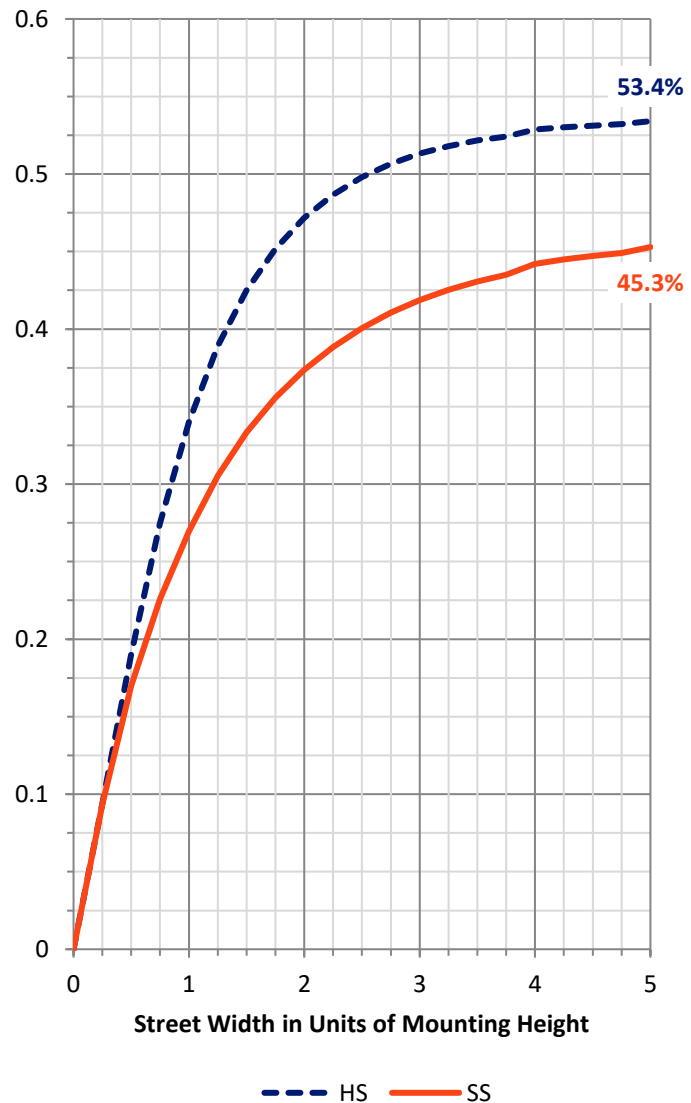
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1291.0	6.7	1297.7
	% Fixture	53.8	0.3	54.1
Street Side	Lumens	1097.2	4.9	1102.1
	% Fixture	45.7	0.2	45.9
Total	Lumens	2388.1	11.6	2399.8
	% Fixture	99.5	0.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.4	2.2
10°-20°	143.0	6.0
20°-30°	212.7	8.9
30°-40°	299.7	12.5
40°-50°	387.4	16.1
50°-60°	433.6	18.1
60°-70°	455.1	19.0
70°-80°	340.5	14.2
80°-90°	62.7	2.6
90°-100°	11.6	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°	2388.1	99.5
0°-180°	2399.8	100.0



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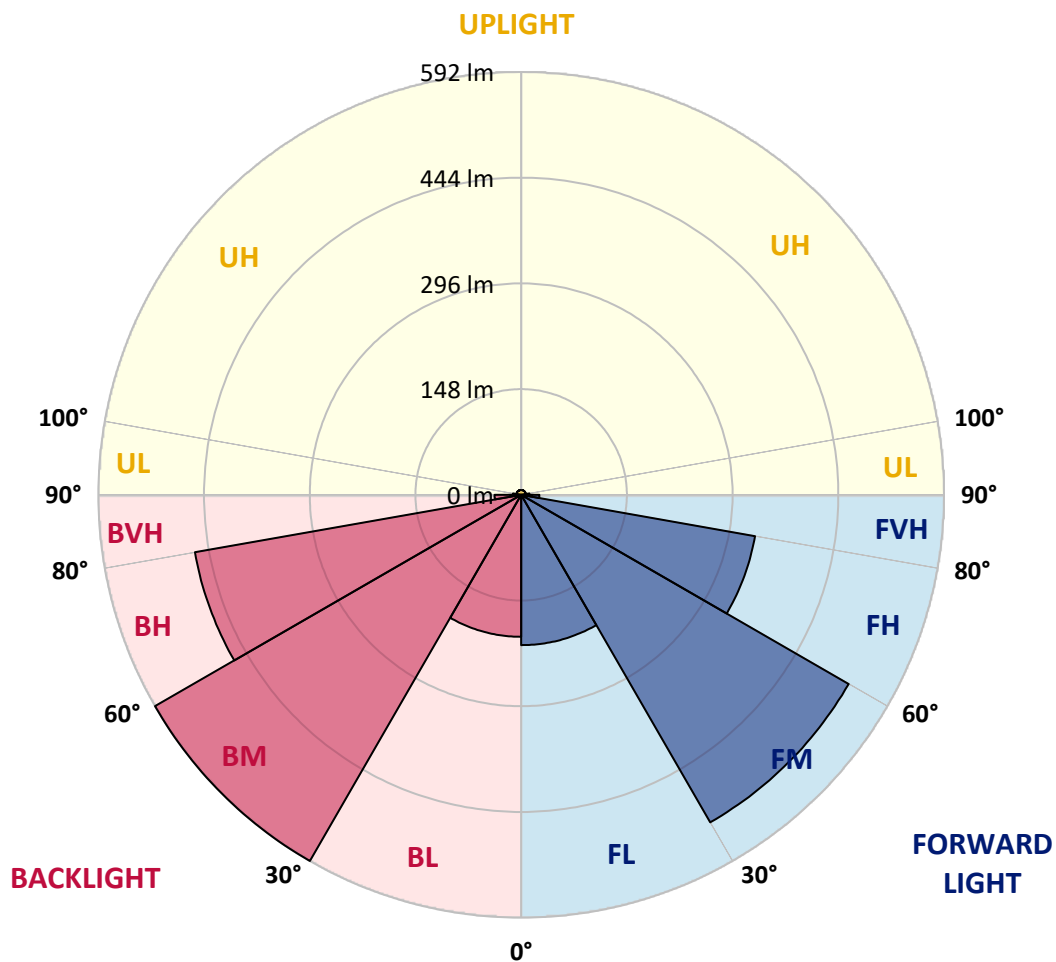
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	210.4	8.8			
FM	(30°-60°)	529.1	22.0			
FH	(60°-80°)	332.2	13.8			G0/660
FVH	(80°-90°)	25.4	1.1			G1/100
BL	(0°-30°)	198.7	8.3	B1/500		
BM	(30°-60°)	591.6	24.7	B1/1000		
BH	(60°-80°)	463.4	19.3	B1/500		G1/500
BVH	(80°-90°)	37.2	1.6			G1/100
UL	(90°-100°)	11.6	0.5		U2/50	
UH	(100°-180°)	6.7	0.3		U1/10	

BUG Rating: B1-U2-G1

Type Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	579.0	579.0	579.0	579.0	579.0	579.0	579.0	579.0	579.0	579.0	579.0
2.5°	580.9	580.9	581.9	581.9	579.5	575.0	575.5	573.0	571.0	569.1	569.1
5°	575.0	574.0	574.5	574.0	571.5	567.0	564.6	561.1	556.7	550.2	549.7
7.5°	564.0	565.0	566.0	565.0	565.5	564.0	562.6	559.1	554.2	547.2	545.3
10°	541.2	540.2	544.7	549.2	551.6	553.1	554.1	551.2	547.2	543.3	541.3
12.5°	502.6	505.6	513.5	520.4	527.4	533.3	539.3	542.2	542.7	542.2	542.3
15°	459.1	463.0	470.0	476.9	489.8	501.6	513.5	524.4	531.3	538.3	543.7
17.5°	413.5	416.5	426.4	435.3	450.2	464.0	484.3	502.6	520.9	538.3	549.2
20°	383.9	385.8	394.7	401.7	419.0	435.3	461.1	487.8	513.0	537.3	555.6
22.5°	374.9	374.9	382.4	389.8	412.1	432.3	452.6	477.9	505.6	532.3	553.6
25°	369.0	368.0	377.9	386.8	411.5	435.3	454.6	473.9	498.2	522.4	543.2
27.5°	367.0	365.0	376.9	387.8	412.0	435.3	457.6	476.9	496.2	514.5	529.9
30°	380.8	377.8	385.7	392.7	416.5	439.2	461.0	479.8	497.2	513.5	520.0
32.5°	428.2	425.3	419.4	411.5	424.8	437.2	455.1	471.9	487.8	503.6	512.5
35°	536.0	526.1	496.0	465.8	446.1	425.3	432.8	441.2	468.9	494.7	511.0
37.5°	590.4	573.6	529.6	485.6	461.4	435.2	424.8	416.5	452.1	487.8	510.5
40°	615.1	603.3	551.8	498.4	470.3	440.1	424.3	415.5	442.2	468.0	488.3
42.5°	643.8	648.7	602.8	556.8	501.9	446.0	424.3	413.5	427.3	440.2	461.5
45°	709.1	689.3	654.7	620.1	536.5	451.0	421.3	401.6	412.0	421.4	437.3
47.5°	703.1	675.4	657.1	637.9	561.7	484.6	432.2	387.7	395.2	401.6	409.6
50°	716.0	686.3	667.0	646.8	579.0	511.3	444.0	378.8	378.3	376.9	378.4
52.5°	722.9	705.1	688.3	670.5	594.3	517.2	441.6	367.9	360.0	351.1	345.3
55°	701.1	721.9	712.5	701.1	604.2	505.3	429.2	353.1	341.2	327.4	315.6
57.5°	689.3	735.7	725.4	715.0	605.2	494.5	419.3	345.2	322.9	299.7	282.9
60°	696.2	736.7	732.3	726.8	612.6	497.4	417.3	336.3	307.6	276.9	254.7
62.5°	684.3	736.7	735.2	733.8	620.0	504.4	411.9	318.5	291.3	264.1	239.4
65°	721.9	738.7	741.2	743.7	624.0	503.4	403.5	304.6	271.0	235.4	217.6
67.5°	796.1	795.1	773.8	751.6	622.0	491.5	393.1	296.7	262.1	226.5	209.7
70°	852.4	853.4	797.1	738.7	604.2	469.8	374.8	286.8	252.7	217.6	191.9
72.5°	807.9	804.0	737.7	669.5	546.9	424.3	333.3	252.2	220.5	186.9	154.3
75°	695.2	710.0	635.4	558.8	451.5	343.2	262.1	197.8	167.1	134.5	102.9
77.5°	629.0	601.3	506.8	410.4	322.4	233.4	181.0	138.5	105.3	72.2	56.4
80°	454.9	400.5	297.7	193.9	151.8	107.8	80.6	53.4	46.0	37.6	33.6
82.5°	185.9	155.3	128.6	99.9	81.6	62.3	49.0	36.6	32.1	26.7	25.2
85°	88.0	86.0	80.6	73.2	60.3	45.5	37.1	30.7	26.2	20.8	18.8
87.5°	69.2	65.3	56.9	46.5	40.1	32.6	28.2	23.7	21.3	17.8	16.3
90°	52.4	48.5	42.5	34.6	28.2	21.8	19.3	15.8	14.3	11.9	11.9
92.5°	35.6	35.6	31.2	25.7	21.3	16.8	14.8	12.9	11.4	8.9	7.9
95°	25.7	24.7	22.3	19.8	16.8	11.9	10.9	9.9	7.4	4.9	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



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CATALOG NUMBER: REV3XX50-120DEGREES

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



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CATALOG NUMBER: REV3XX50-120DEGREES

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	579.0	579.0	579.0	579.0	579.0	579.0	579.0	579.0	579.0	579.0	579.0
2.5°	567.1	563.6	567.1	568.6	569.1	571.0	573.0	576.0	575.0	579.5	581.9
5°	548.3	547.8	548.3	550.3	550.3	556.7	561.1	565.1	567.1	571.6	574.0
7.5°	542.3	540.3	542.3	544.8	547.3	553.7	559.2	563.1	564.1	565.6	565.1
10°	538.3	536.9	538.4	540.8	543.3	547.3	551.2	554.2	553.2	551.8	549.3
12.5°	542.3	542.8	542.3	542.3	542.3	543.3	542.3	539.4	533.5	527.5	520.6
15°	547.2	546.2	547.2	543.8	538.4	531.4	524.5	513.7	501.8	489.9	477.1
17.5°	560.1	559.1	560.1	549.2	538.4	521.5	502.8	485.0	464.2	450.3	435.5
20°	572.9	572.0	573.0	555.7	537.4	513.1	487.9	461.2	435.5	419.7	401.9
22.5°	574.9	575.4	575.0	554.2	532.4	505.2	478.0	453.3	432.5	412.3	390.0
25°	563.0	563.6	563.1	543.3	522.5	498.8	474.1	455.3	435.5	411.8	387.0
27.5°	544.2	544.3	544.3	530.5	514.6	496.8	477.1	458.3	435.5	412.3	388.0
30°	525.4	525.5	525.5	520.6	513.6	497.3	480.0	461.3	439.5	416.3	393.0
32.5°	521.5	521.5	521.5	512.6	503.8	487.9	472.1	455.3	437.5	425.7	411.8
35°	527.4	528.9	527.5	511.7	494.9	468.6	441.5	433.6	425.7	446.0	466.3
37.5°	531.3	532.9	531.4	510.2	487.9	452.3	416.7	425.7	435.6	461.8	486.1
40°	507.6	509.1	507.7	488.4	468.2	442.0	415.7	424.7	440.6	470.8	499.0
42.5°	481.9	482.9	481.9	461.7	440.5	427.1	413.8	424.7	446.5	502.9	557.4
45°	452.2	453.2	452.3	437.0	421.7	412.8	401.9	421.8	451.5	537.1	620.8
47.5°	417.5	419.1	417.6	409.8	401.9	395.5	388.1	432.7	485.1	562.4	638.6
50°	379.9	381.5	380.0	379.1	377.2	378.7	379.2	444.5	511.9	580.2	647.5
52.5°	339.4	339.4	339.5	345.4	351.4	359.9	368.3	442.6	517.8	595.0	671.3
55°	302.8	303.8	302.9	315.3	327.7	341.1	353.4	429.7	505.9	604.4	702.0
57.5°	264.2	265.2	264.3	282.6	300.0	323.2	345.5	419.8	495.0	605.4	715.8
60°	230.5	230.6	230.6	254.9	277.2	307.4	336.6	417.8	498.0	613.4	727.7
62.5°	214.7	214.7	214.8	239.6	264.3	292.1	318.8	412.9	504.9	620.3	734.6
65°	198.9	201.4	198.9	217.3	235.6	270.8	304.9	403.9	503.9	624.2	744.5
67.5°	190.9	194.0	191.0	209.4	226.7	262.4	297.0	394.0	492.1	622.3	752.5
70°	164.2	163.8	164.3	191.6	217.8	253.4	287.1	375.2	470.3	604.9	739.6
72.5°	119.7	119.7	119.8	153.9	187.1	220.3	252.5	333.6	424.7	547.5	670.3
75°	70.2	70.3	70.3	103.0	134.6	166.8	198.0	262.4	343.5	451.9	559.4
77.5°	39.6	39.6	39.6	55.9	72.3	105.9	138.6	181.2	233.6	322.2	410.9
80°	28.7	28.7	28.7	33.2	37.6	46.0	53.5	81.2	107.9	152.0	194.0
82.5°	22.8	24.2	22.8	25.2	26.7	32.2	36.6	49.5	62.4	82.2	100.0
85°	16.8	17.3	16.8	18.8	20.8	26.7	30.7	37.6	45.5	59.9	73.3
87.5°	13.9	15.3	13.9	16.8	17.8	21.8	23.8	28.7	32.7	40.6	46.5
90°	9.9	10.9	9.9	11.4	11.9	14.4	15.8	19.8	21.8	28.7	34.6
92.5°	5.9	6.4	5.9	7.4	8.9	11.9	12.9	14.9	16.8	21.8	25.7
95°	3.0	3.5	3.0	4.0	4.9	7.9	9.9	10.9	11.9	16.3	19.8
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: P167656

CATALOG NUMBER: REV3XX50-120DEGREES

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: P167656

CATALOG NUMBER: REV3XX50-120DEGREES

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	579.0	579.0	579.0	579.0	579.0	579.0	579.0	579.0	579.0	579.0	579.0
2.5°	581.9	581.0	581.0	581.0	581.5	581.9	579.5	575.0	575.5	573.0	571.1
5°	575.0	574.0	574.5	574.1	574.6	574.1	571.6	567.1	565.2	561.2	556.8
7.5°	565.6	565.2	564.2	565.2	565.7	565.2	565.7	564.2	563.2	559.3	553.8
10°	545.4	540.4	540.9	540.4	545.4	549.4	552.3	553.3	553.8	551.4	547.4
12.5°	513.7	505.8	502.8	505.8	513.2	520.7	527.1	533.6	539.0	542.5	543.0
15°	470.2	463.2	459.3	463.3	470.2	477.1	489.5	501.9	513.8	524.7	531.6
17.5°	426.6	416.7	413.3	416.7	426.2	435.6	449.9	464.3	485.1	502.9	521.2
20°	394.4	386.0	383.6	386.1	394.5	401.9	419.2	435.6	461.3	488.1	513.8
22.5°	383.1	375.2	375.2	375.2	383.1	390.0	412.3	432.6	453.4	478.1	505.9
25°	377.6	368.3	368.8	368.3	378.2	387.1	411.3	435.6	455.4	474.2	498.9
27.5°	377.2	365.3	367.3	365.3	376.7	388.1	412.8	435.6	457.9	477.2	496.5
30°	386.1	378.2	380.7	378.2	385.6	393.0	416.8	439.5	461.3	480.1	497.9
32.5°	419.3	425.7	428.7	425.7	419.3	411.8	425.2	437.6	455.4	472.2	488.1
35°	497.0	526.7	536.1	526.7	496.0	466.3	446.5	425.7	433.6	441.5	468.8
37.5°	530.7	574.2	591.1	574.2	529.7	486.1	461.8	435.6	425.2	416.8	452.4
40°	552.0	603.9	615.8	603.9	552.0	499.0	470.8	440.6	424.2	415.8	442.5
42.5°	603.9	649.5	644.5	649.5	603.0	557.4	502.5	446.5	424.7	413.8	427.7
45°	655.4	690.1	709.9	690.1	655.4	620.8	537.1	451.5	421.3	401.9	412.3
47.5°	657.9	676.2	703.5	676.2	658.4	638.6	561.9	485.1	432.7	388.1	396.0
50°	668.3	687.1	716.8	687.1	667.8	647.5	580.2	511.9	444.5	379.2	379.2
52.5°	689.1	705.9	723.8	705.9	688.6	671.3	594.5	517.8	442.6	368.3	360.4
55°	713.4	722.8	701.5	722.8	713.4	702.0	604.4	505.9	429.2	353.4	341.1
57.5°	726.7	736.6	690.1	736.6	726.7	715.8	605.9	495.0	419.8	345.5	323.7
60°	733.7	737.6	696.5	737.6	733.2	727.7	613.9	498.0	417.3	336.6	307.4
62.5°	736.6	737.6	684.6	737.6	736.6	734.6	620.3	504.9	412.4	318.8	292.1
65°	742.6	739.6	722.8	739.6	742.6	744.5	624.7	504.0	403.9	304.9	270.8
67.5°	774.7	796.0	796.5	796.0	775.2	752.5	622.8	492.1	394.0	297.0	261.9
70°	797.5	854.4	853.0	854.4	797.5	739.6	604.9	470.3	374.7	287.1	253.0
72.5°	738.1	804.9	808.9	804.9	738.1	670.3	547.5	424.7	333.7	252.5	220.3
75°	636.1	710.9	696.0	710.9	635.1	559.4	452.5	343.6	261.9	198.0	166.8
77.5°	507.4	602.0	629.7	602.0	506.4	410.9	322.8	233.7	180.7	138.6	105.9
80°	298.0	401.0	454.9	401.0	297.5	194.1	152.0	107.9	80.7	53.5	46.5
82.5°	128.2	155.4	185.6	155.4	128.2	100.0	81.7	62.4	49.5	36.6	32.7
85°	80.7	86.1	88.1	86.1	80.7	73.3	59.9	45.5	37.6	30.7	26.2
87.5°	56.9	65.3	69.3	65.3	56.9	46.5	40.1	32.7	28.7	23.8	21.3
90°	42.1	48.5	52.0	48.5	42.1	34.7	28.7	21.8	19.3	15.8	14.9
92.5°	31.2	35.6	35.6	35.6	31.7	25.7	21.8	16.8	14.9	12.9	11.4
95°	22.8	24.8	25.2	24.8	22.8	19.8	16.3	11.9	10.9	9.9	7.9
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: P167656
 CATALOG NUMBER: REV3XX50-120DEGREES

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°

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REPORT NUMBER: P
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DISTRIBUTION (continued):

165°	170°	175°	180°
579.0	579.0	579.0	579.0
569.1	568.6	567.1	564.1
550.3	549.8	548.3	548.3
547.4	545.4	542.4	540.5
543.4	541.5	538.5	537.5
542.5	542.5	542.5	543.5
538.5	544.0	547.5	546.5
538.5	549.4	560.3	559.3
537.5	556.4	573.2	572.2
532.6	554.4	575.2	575.2
522.7	543.0	563.3	563.3
514.8	530.1	544.5	544.5
513.8	520.2	525.7	525.7
503.9	512.8	521.7	521.7
495.0	511.8	527.7	528.6
488.1	510.3	531.6	532.6
468.3	489.1	507.9	508.9
440.5	462.3	482.1	483.1
421.7	437.6	452.4	453.4
401.9	409.9	417.8	418.8
377.2	379.2	380.1	381.1
351.4	345.5	339.6	339.6
327.7	315.8	302.9	303.9
300.0	282.6	264.3	265.3
277.2	254.9	230.7	230.7
264.3	239.6	214.8	214.8
235.6	217.8	199.0	201.0
226.7	209.4	191.1	194.0
217.8	191.6	164.3	163.3
187.1	153.9	119.8	119.8
134.6	102.5	70.3	70.3
72.3	56.4	39.6	39.6
37.6	33.7	28.7	28.7
26.7	25.7	22.8	24.7
20.8	18.8	16.8	17.8
17.8	16.3	13.9	15.8
11.9	11.4	9.9	10.9
8.9	7.9	5.9	6.9
5.0	4.0	3.0	4.0
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



'167656
REV3XX50-120DEGREES

TION (continued):

<u>170°</u>	<u>175°</u>	<u>180°</u>
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)