

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: P167649

Luminaire Tested: **REV2XX50-0DEGREES**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P167649
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: REV2XX50-0DEGREES
Description: R-EVOLVE WITH TWIN OPTICS.
(2) LEDS WITH BOTH OPTICS ORIENTED AT 0 DEGREES
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2150.2 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 IV - Short - Non-Cutoff
BUG Rating: B0 - 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

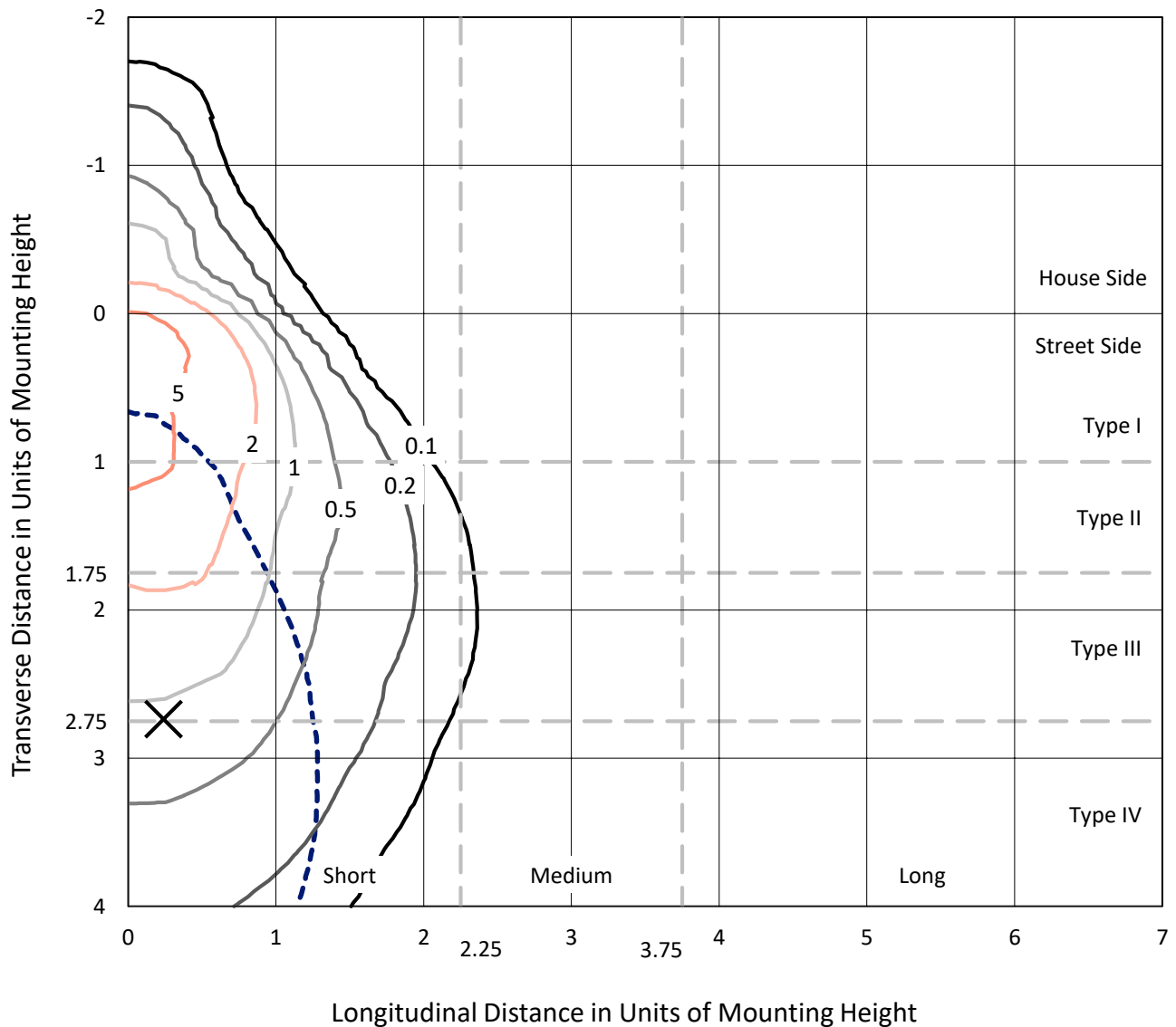


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

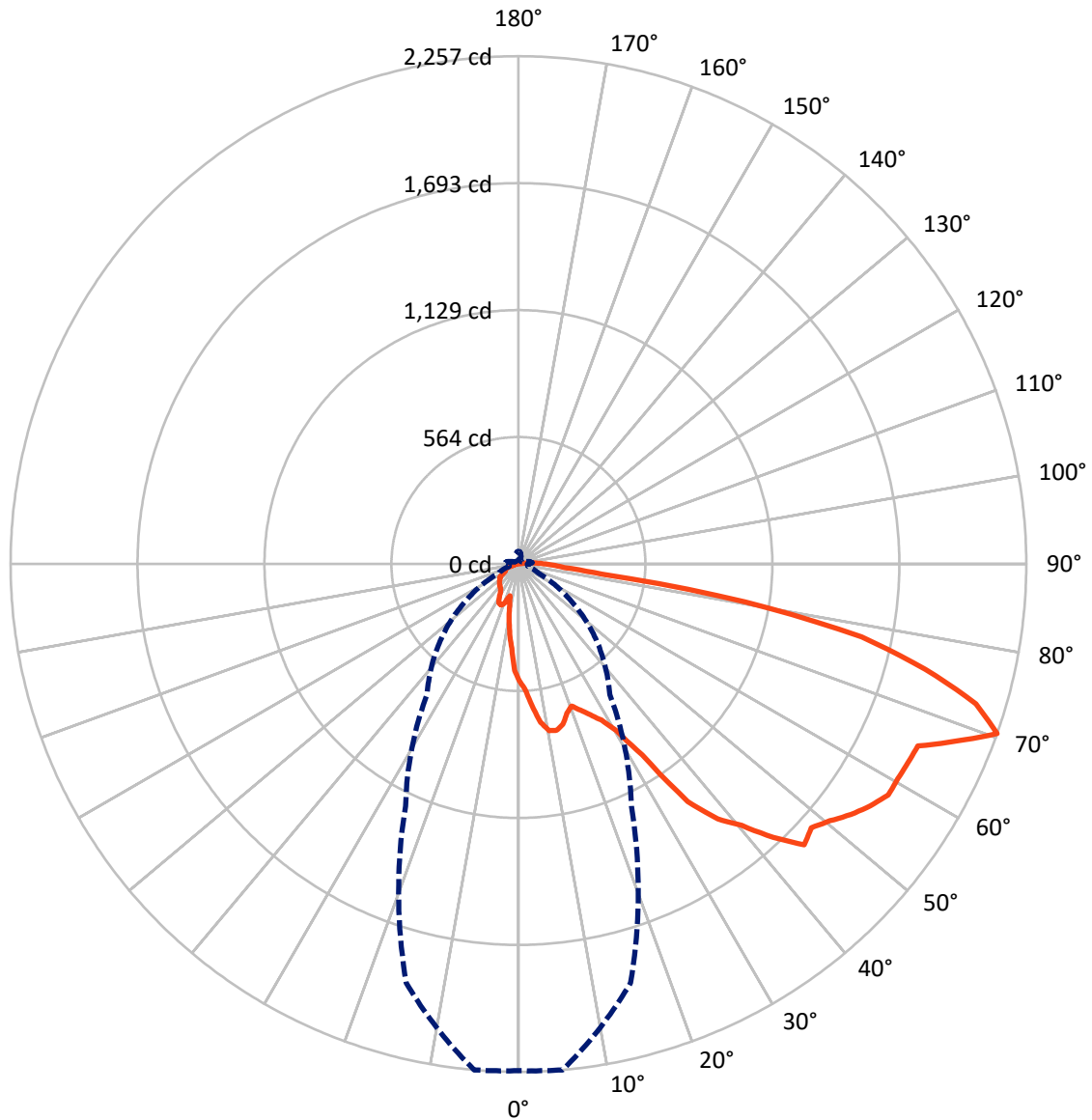


Based on 10 foot mounting height. Maximum calculated value = 7.4 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 5-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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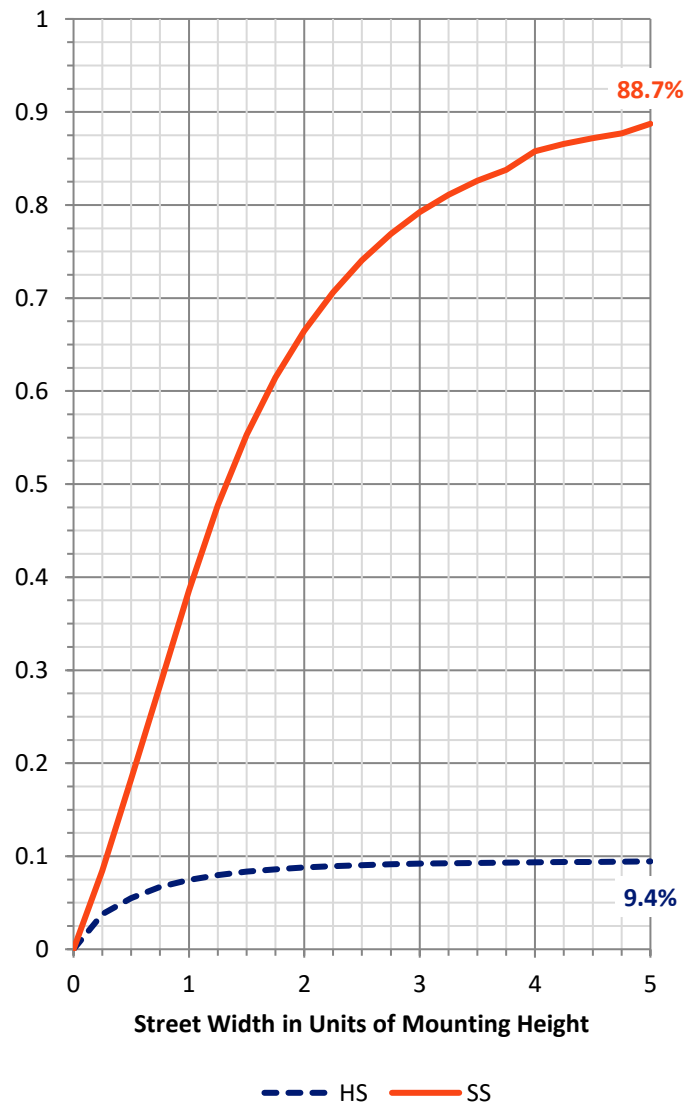
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	205.7	1.1	206.9
	% Fixture	9.6	0.1	9.6
Street Side	Lumens	1934.1	9.2	1943.3
	% Fixture	90.0	0.4	90.4
Total	Lumens	2139.9	10.3	2150.2
	% Fixture	99.5	0.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.8	2.2
10°-20°	128.2	6.0
20°-30°	190.6	8.9
30°-40°	268.6	12.5
40°-50°	347.2	16.1
50°-60°	388.6	18.1
60°-70°	407.9	19.0
70°-80°	305.1	14.2
80°-90°	55.9	2.6
90°-100°	10.3	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°	2139.9	99.5
0°-180°	2150.2	100.0

Coefficient of Utilization



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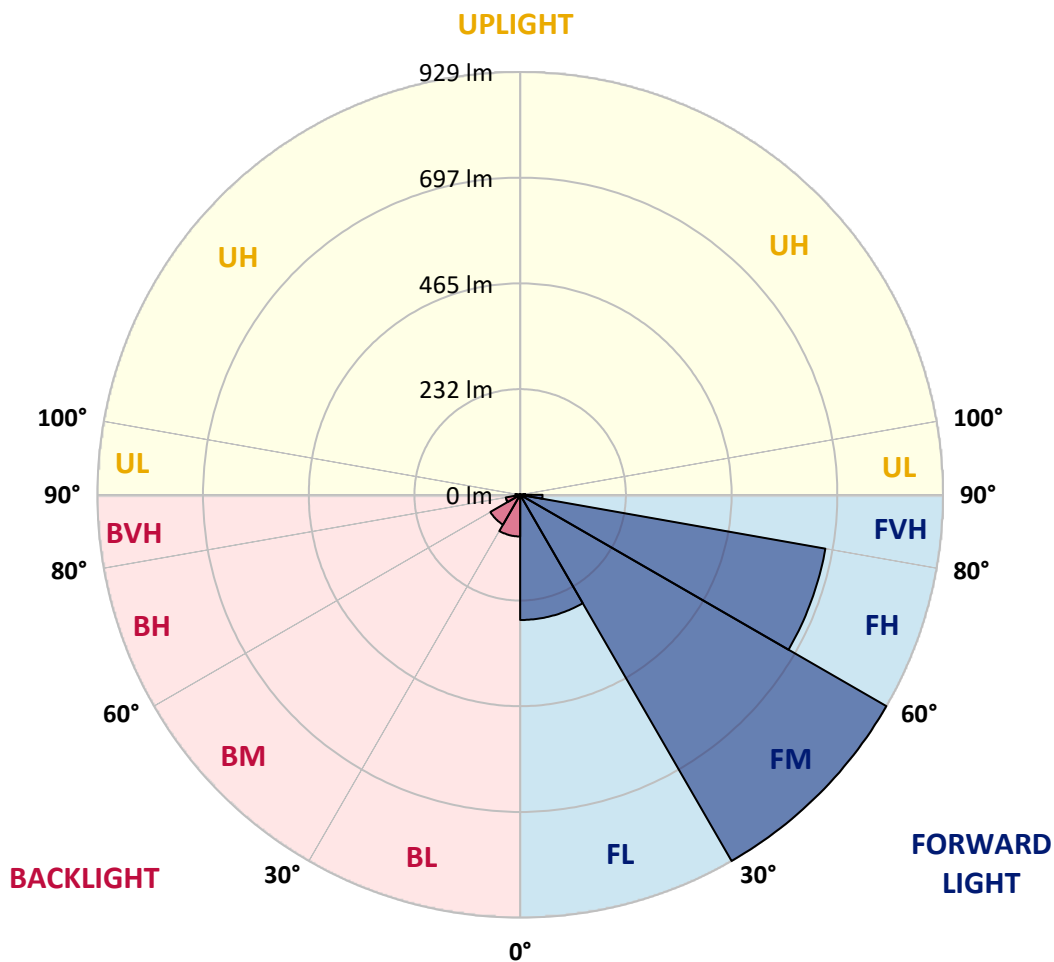
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	275.0	12.8			
FM	(30°-60°)	929.0	43.2			
FH	(60°-80°)	680.9	31.7			G1/1800
FVH	(80°-90°)	49.2	2.3			G1/100
BL	(0°-30°)	91.6	4.3	B0/110		
BM	(30°-60°)	75.4	3.5	B0/220		
BH	(60°-80°)	32.1	1.5	B0/110		G0/110
BVH	(80°-90°)	6.7	0.3			G0/10
UL	(90°-100°)	10.3	0.5		U2/50	
UH	(100°-180°)	1.1	0.1		U1/10	

BUG Rating: B0-U2-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	519.1	519.1	519.1	519.1	519.1	519.1	519.1	519.1	519.1	519.1	519.1
2.5°	556.3	556.3	553.7	551.0	547.0	543.0	544.4	545.7	540.4	535.0	535.0
5°	630.9	630.9	626.9	622.9	613.6	604.2	600.3	596.3	584.3	572.3	568.3
7.5°	708.1	710.7	705.4	700.1	690.8	681.4	672.1	662.8	641.5	620.2	606.9
10°	753.3	753.3	749.3	745.3	736.0	726.7	718.7	710.7	689.4	668.1	649.5
12.5°	750.6	758.6	758.6	758.6	756.0	753.3	750.6	748.0	730.7	713.4	692.1
15°	729.4	740.0	745.3	750.6	753.3	756.0	756.0	756.0	745.3	734.7	717.4
17.5°	686.8	697.4	708.1	718.7	726.7	734.7	738.7	742.7	738.7	734.7	721.4
20°	665.5	673.5	678.8	684.1	696.1	708.1	718.7	729.4	728.0	726.7	720.0
22.5°	705.4	705.4	701.4	697.4	706.7	716.0	717.4	718.7	724.0	729.4	722.7
25°	742.7	742.7	737.3	732.0	737.3	742.7	736.0	729.4	730.7	732.0	721.4
27.5°	790.6	785.3	779.9	774.6	773.3	771.9	765.3	758.6	746.7	734.7	714.7
30°	865.1	859.8	846.5	833.2	827.8	822.5	806.5	790.6	773.3	756.0	714.7
32.5°	1019.5	1011.5	968.9	926.3	895.7	865.1	838.5	811.9	790.6	769.3	726.7
35°	1320.3	1296.3	1201.8	1107.3	1000.9	894.4	842.5	790.6	785.3	779.9	746.7
37.5°	1482.7	1437.4	1311.0	1184.5	1079.4	974.2	874.4	774.6	787.9	801.2	766.6
40°	1559.9	1527.9	1381.5	1235.1	1132.6	1030.1	926.3	822.5	806.5	790.6	746.7
42.5°	1647.7	1661.0	1534.6	1408.1	1244.4	1080.7	979.6	878.4	825.2	771.9	722.7
45°	1834.0	1780.8	1685.0	1589.1	1353.6	1118.0	1008.9	899.7	837.2	774.6	710.7
47.5°	1823.4	1751.5	1699.6	1647.7	1432.1	1216.5	1062.1	907.7	842.5	777.3	692.1
50°	1874.0	1794.1	1736.9	1679.6	1489.3	1299.0	1102.0	905.0	834.5	764.0	664.1
52.5°	1897.9	1850.0	1799.4	1748.9	1535.9	1323.0	1103.3	883.7	811.9	740.0	625.5
55°	1839.4	1897.9	1867.3	1836.7	1567.8	1299.0	1075.4	851.8	777.3	702.7	583.0
57.5°	1812.7	1937.8	1907.2	1876.6	1573.2	1269.7	1051.4	833.2	744.0	654.8	532.4
60°	1826.0	1937.8	1923.2	1908.6	1595.8	1283.0	1051.4	819.9	721.4	622.9	496.4
62.5°	1799.4	1943.2	1936.5	1929.9	1615.8	1301.7	1039.5	777.3	688.1	598.9	476.5
65°	1905.9	1951.2	1952.5	1953.8	1626.4	1299.0	1022.2	745.3	638.9	532.4	431.2
67.5°	2100.2	2100.2	2035.0	1969.8	1615.8	1261.7	996.9	732.0	622.9	513.7	412.6
70°	2251.9	2257.3	2092.2	1927.2	1557.2	1187.2	947.6	708.1	602.9	497.8	391.3
72.5°	2137.5	2126.8	1924.5	1722.2	1381.5	1040.8	833.2	625.5	532.4	439.2	327.4
75°	1828.7	1868.6	1638.4	1408.1	1114.0	819.9	657.5	495.1	404.6	314.1	215.6
77.5°	1634.4	1559.9	1287.0	1014.2	793.2	572.3	457.8	343.4	248.9	154.4	103.8
80°	1165.9	1022.2	732.0	441.9	352.7	263.5	193.0	122.4	94.5	66.5	50.6
82.5°	452.5	372.7	290.1	207.6	177.0	146.4	115.8	85.2	65.2	45.3	35.9
85°	210.3	205.0	182.3	159.7	135.8	111.8	91.8	71.9	54.6	37.3	29.3
87.5°	165.0	154.4	129.1	103.8	91.8	79.9	67.9	55.9	43.9	31.9	25.3
90°	119.8	111.8	95.8	79.9	67.9	55.9	46.6	37.3	30.6	24.0	18.6
92.5°	79.9	79.9	70.5	61.2	51.9	42.6	37.3	31.9	25.3	18.6	13.3
95°	58.6	58.6	51.9	45.3	37.3	29.3	26.6	24.0	17.3	10.6	8.0
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: REV2XX50-0DEGREES

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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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	519.1	519.1	519.1	519.1	519.1	519.1	519.1	519.1	519.1	519.1	519.1
2.5°	535.0	525.7	516.4	517.7	519.1	519.1	519.1	521.7	519.1	517.7	516.4
5°	564.3	549.7	535.0	529.7	524.4	523.1	521.7	519.1	513.7	504.4	495.1
7.5°	593.6	572.3	551.0	541.7	532.4	525.7	519.1	511.1	497.8	480.5	463.2
10°	630.9	600.3	569.6	555.0	540.4	527.1	513.7	500.4	479.1	453.9	428.6
12.5°	670.8	634.9	598.9	575.0	551.0	529.7	508.4	484.5	455.2	420.6	386.0
15°	700.1	662.8	625.5	594.9	564.3	529.7	495.1	455.2	412.6	370.0	327.4
17.5°	708.1	673.5	638.9	601.6	564.3	516.4	468.5	420.6	367.3	327.4	287.5
20°	713.4	678.8	644.2	597.6	551.0	493.8	436.5	383.3	332.7	295.5	258.2
22.5°	716.0	674.8	633.5	577.6	521.7	464.5	407.3	354.0	314.1	272.8	231.6
25°	710.7	658.8	606.9	548.3	489.8	436.5	383.3	335.4	287.5	242.2	197.0
27.5°	694.8	636.2	577.6	524.4	471.2	417.9	364.7	314.1	258.2	209.0	159.7
30°	673.5	620.2	567.0	513.7	460.5	403.3	346.0	290.1	226.3	174.4	122.4
32.5°	684.1	625.5	567.0	505.8	444.5	380.6	316.8	255.5	191.7	143.7	95.8
35°	713.4	640.2	567.0	495.1	423.2	352.7	282.2	215.6	151.7	115.8	79.9
37.5°	732.0	648.2	564.3	477.8	391.3	316.8	242.2	175.7	117.1	91.8	66.5
40°	702.7	618.9	535.0	445.9	356.7	280.8	205.0	135.8	87.8	73.2	58.6
42.5°	673.5	585.6	497.8	403.3	308.8	232.9	157.1	95.8	63.9	55.9	47.9
45°	646.8	548.3	449.9	355.4	260.9	186.3	111.8	66.5	50.6	46.6	42.6
47.5°	606.9	504.4	401.9	306.1	210.3	142.4	74.5	50.6	47.9	42.6	37.3
50°	564.3	456.5	348.7	255.5	162.4	110.5	58.6	47.9	42.6	37.3	31.9
52.5°	511.1	404.6	298.1	210.3	122.4	89.2	55.9	45.3	39.9	34.6	29.3
55°	463.2	356.7	250.2	174.4	98.5	75.9	53.2	42.6	34.6	30.6	26.6
57.5°	409.9	311.4	213.0	145.1	77.2	62.6	47.9	39.9	34.6	30.6	26.6
60°	370.0	274.2	178.3	121.1	63.9	54.6	45.3	39.9	34.6	30.6	26.6
62.5°	354.0	255.5	157.1	109.1	61.2	53.2	45.3	39.9	34.6	30.6	26.6
65°	330.1	235.6	141.1	99.8	58.6	51.9	45.3	39.9	37.3	33.3	29.3
67.5°	311.4	220.9	130.4	91.8	53.2	47.9	42.6	39.9	42.6	38.6	34.6
70°	284.8	193.0	101.2	73.2	45.3	42.6	39.9	39.9	61.2	53.2	45.3
72.5°	215.6	141.1	66.5	49.2	31.9	33.3	34.6	47.9	87.8	77.2	66.5
75°	117.1	79.9	42.6	34.6	26.6	25.3	24.0	34.6	93.2	89.2	85.2
77.5°	53.2	42.6	31.9	27.9	24.0	21.3	18.6	18.6	47.9	65.2	82.5
80°	34.6	29.3	24.0	22.6	21.3	17.3	13.3	16.0	21.3	46.6	71.9
82.5°	26.6	22.6	18.6	17.3	16.0	12.0	8.0	10.6	16.0	34.6	53.2
85°	21.3	17.3	13.3	13.3	13.3	10.6	8.0	5.3	8.0	20.0	31.9
87.5°	18.6	14.6	10.6	10.6	10.6	8.0	5.3	5.3	5.3	10.6	16.0
90°	13.3	10.6	8.0	6.7	5.3	4.0	2.7	2.7	2.7	5.3	8.0
92.5°	8.0	6.7	5.3	4.0	2.7	2.7	2.7	2.7	2.7	5.3	8.0
95°	5.3	4.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	4.0	5.3
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: P167649

CATALOG NUMBER: REV2XX50-0DEGREES

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: P167649

CATALOG NUMBER: REV2XX50-0DEGREES

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	519.1	519.1	519.1	519.1	519.1	519.1	519.1	519.1	519.1	519.1	519.1
2.5°	511.1	505.8	503.1	500.4	499.1	497.8	491.1	484.5	480.5	476.5	476.5
5°	481.8	468.5	456.5	444.5	435.2	425.9	416.6	407.3	399.3	391.3	387.3
7.5°	443.2	423.2	404.6	386.0	371.3	356.7	347.4	338.1	330.1	322.1	320.8
10°	399.3	370.0	350.0	330.1	316.8	303.5	292.8	282.2	270.2	258.2	255.5
12.5°	354.0	322.1	300.8	279.5	267.5	255.5	240.9	226.3	214.3	202.3	198.3
15°	300.8	274.2	252.9	231.6	218.3	205.0	193.0	181.0	170.4	159.7	154.4
17.5°	260.9	234.2	211.6	189.0	177.0	165.0	155.7	146.4	143.7	141.1	145.1
20°	230.3	202.3	182.3	162.4	150.4	138.4	134.4	130.4	138.4	146.4	157.1
22.5°	199.6	167.7	151.7	135.8	127.8	119.8	126.4	133.1	146.4	159.7	170.4
25°	166.4	135.8	123.8	111.8	111.8	111.8	126.4	141.1	151.7	162.4	173.0
27.5°	133.1	106.5	98.5	90.5	99.8	109.1	125.1	141.1	150.4	159.7	169.0
30°	103.8	85.2	78.5	71.9	86.5	101.2	117.1	133.1	143.7	154.4	159.7
32.5°	83.8	71.9	66.5	61.2	73.2	85.2	102.5	119.8	130.4	141.1	141.1
35°	71.9	63.9	59.9	55.9	61.2	66.5	82.5	98.5	106.5	114.5	121.1
37.5°	61.2	55.9	53.2	50.6	53.2	55.9	67.9	79.9	91.8	103.8	111.8
40°	54.6	50.6	47.9	45.3	46.6	47.9	57.2	66.5	78.5	90.5	101.2
42.5°	45.3	42.6	42.6	42.6	42.6	42.6	49.2	55.9	66.5	77.2	90.5
45°	39.9	37.3	37.3	37.3	37.3	37.3	41.3	45.3	57.2	69.2	83.8
47.5°	35.9	34.6	33.3	31.9	31.9	31.9	35.9	39.9	50.6	61.2	77.2
50°	29.3	26.6	26.6	26.6	27.9	29.3	31.9	34.6	45.3	55.9	71.9
52.5°	26.6	24.0	24.0	24.0	25.3	26.6	27.9	29.3	39.9	50.6	66.5
55°	25.3	24.0	22.6	21.3	22.6	24.0	25.3	26.6	35.9	45.3	62.6
57.5°	24.0	21.3	21.3	21.3	21.3	21.3	24.0	26.6	37.3	47.9	61.2
60°	24.0	21.3	22.6	24.0	22.6	21.3	21.3	21.3	30.6	39.9	49.2
62.5°	24.0	21.3	20.0	18.6	18.6	18.6	20.0	21.3	27.9	34.6	42.6
65°	24.0	18.6	18.6	18.6	18.6	18.6	18.6	18.6	24.0	29.3	35.9
67.5°	27.9	21.3	20.0	18.6	18.6	18.6	18.6	18.6	21.3	24.0	33.3
70°	33.3	21.3	20.0	18.6	17.3	16.0	16.0	16.0	20.0	24.0	33.3
72.5°	43.9	21.3	18.6	16.0	14.6	13.3	13.3	13.3	16.0	18.6	25.3
75°	57.2	29.3	21.3	13.3	12.0	10.6	10.6	10.6	12.0	13.3	17.3
77.5°	65.2	47.9	29.3	10.6	9.3	8.0	8.0	8.0	9.3	10.6	13.3
80°	58.6	45.3	27.9	10.6	9.3	8.0	6.7	5.3	6.7	8.0	10.6
82.5°	43.9	34.6	22.6	10.6	9.3	8.0	6.7	5.3	5.3	5.3	8.0
85°	25.3	18.6	13.3	8.0	6.7	5.3	4.0	2.7	2.7	2.7	4.0
87.5°	14.6	13.3	10.6	8.0	6.7	5.3	4.0	2.7	2.7	2.7	4.0
90°	9.3	10.6	9.3	8.0	6.7	5.3	2.7	0.0	1.3	2.7	2.7
92.5°	9.3	10.6	8.0	5.3	2.7	0.0	0.0	0.0	0.0	0.0	1.3
95°	5.3	5.3	4.0	2.7	2.7	2.7	1.3	0.0	0.0	0.0	0.0
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: REV2XX50-0DEGREES

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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DISTRIBUTION (continued):

165°	170°	175°	180°
519.1	519.1	519.1	519.1
476.5	475.1	473.8	463.2
383.3	379.3	375.3	372.7
319.4	316.8	314.1	308.8
252.9	250.2	247.6	242.2
194.3	191.7	189.0	189.0
149.1	147.7	146.4	143.7
149.1	154.4	159.7	157.1
167.7	175.7	183.7	181.0
181.0	189.0	197.0	197.0
183.7	190.3	197.0	197.0
178.3	185.0	191.7	191.7
165.0	169.0	173.0	173.0
141.1	146.4	151.7	151.7
127.8	133.1	138.4	141.1
119.8	126.4	133.1	135.8
111.8	119.8	127.8	130.4
103.8	114.5	125.1	127.8
98.5	109.1	119.8	122.4
93.2	103.8	114.5	117.1
87.8	98.5	109.1	111.8
82.5	93.2	103.8	103.8
79.9	90.5	101.2	103.8
74.5	81.2	87.8	90.5
58.6	65.2	71.9	71.9
50.6	58.6	66.5	66.5
42.6	53.2	63.9	69.2
42.6	57.2	71.9	79.9
42.6	49.2	55.9	53.2
31.9	35.9	39.9	39.9
21.3	25.3	29.3	29.3
16.0	18.6	21.3	21.3
13.3	16.0	18.6	18.6
10.6	13.3	16.0	18.6
5.3	8.0	10.6	10.6
5.3	6.7	8.0	10.6
2.7	4.0	5.3	8.0
2.7	2.7	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



'167649
REV2XX50-0DEGREES

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

(END OF REPORT)