

Scaled data based on original data using  
LM-66-11 Electrical and Photometric Measurements of Single-Ended Compact  
Fluorescent Lamps

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: SHAPER

Report Number: 18374

Luminaire Tested: **995-PT-CF2/42**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-66-11  
Report Number: 18374  
Test Lab:  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: SHAPER  
Catalog Number: 995-PT-CF2/42  
Description: POST TOP LUMINAIRE WITH WHITE INTERIOR AND FLAT RIBBED GLASS LENS  
  
Light Source: TWO SYLVANIA 42 WATT CPFL LAMPS. LUMEN RATING = 6400 LMS.  
  
Ballast/Driver: -

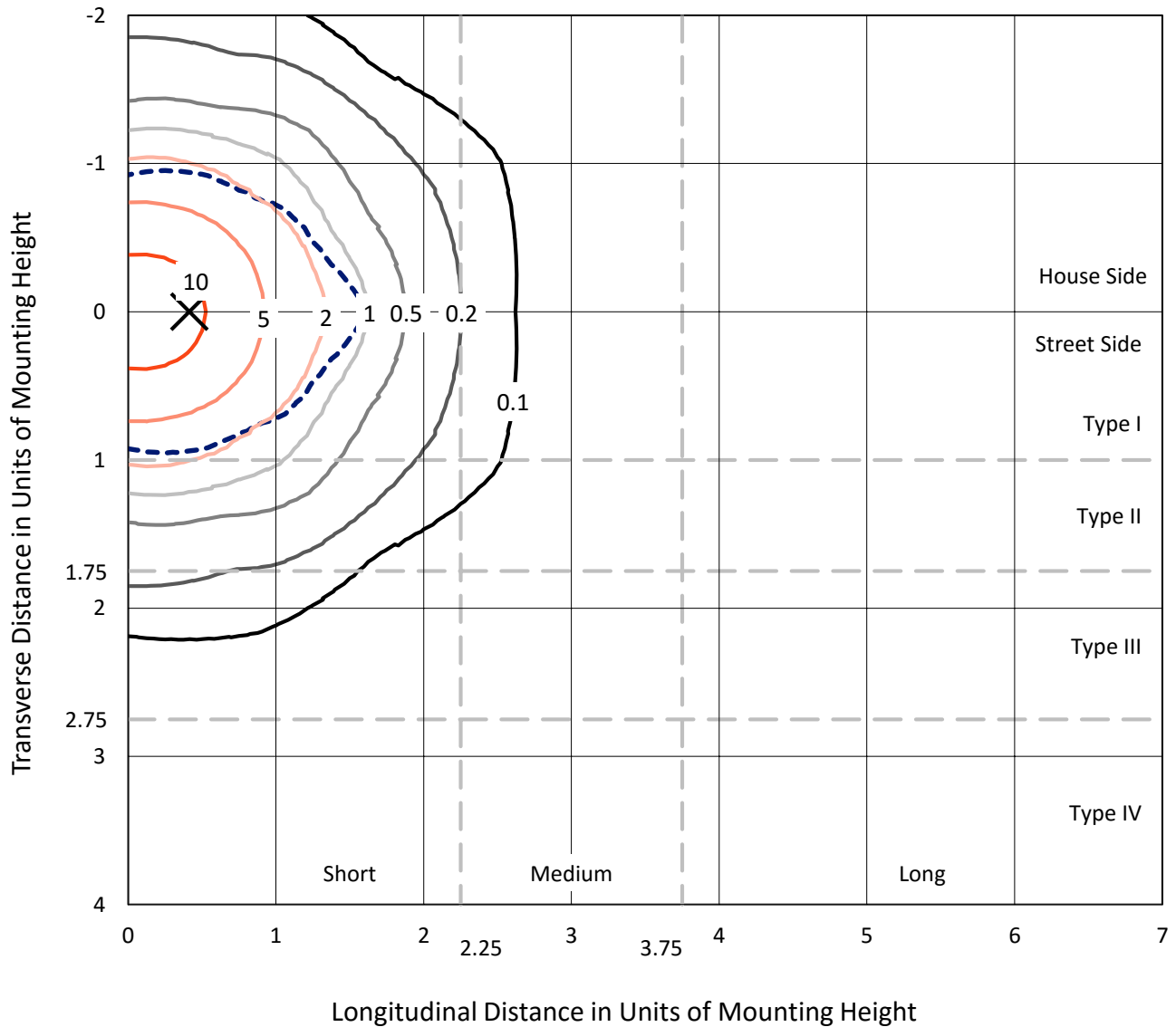
**Summary**

Lumens per Lamp: 6400 (1 lamp)  
Luminaire Lumens: 2284.8 lumens  
Efficiency: 35.7%  
Efficacy: -  
Luminous Opening: Rectangular (W 0.58' x L: 1.17' x H: 0')  
IES Classification: Type I - Short - Cutoff  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 0  
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

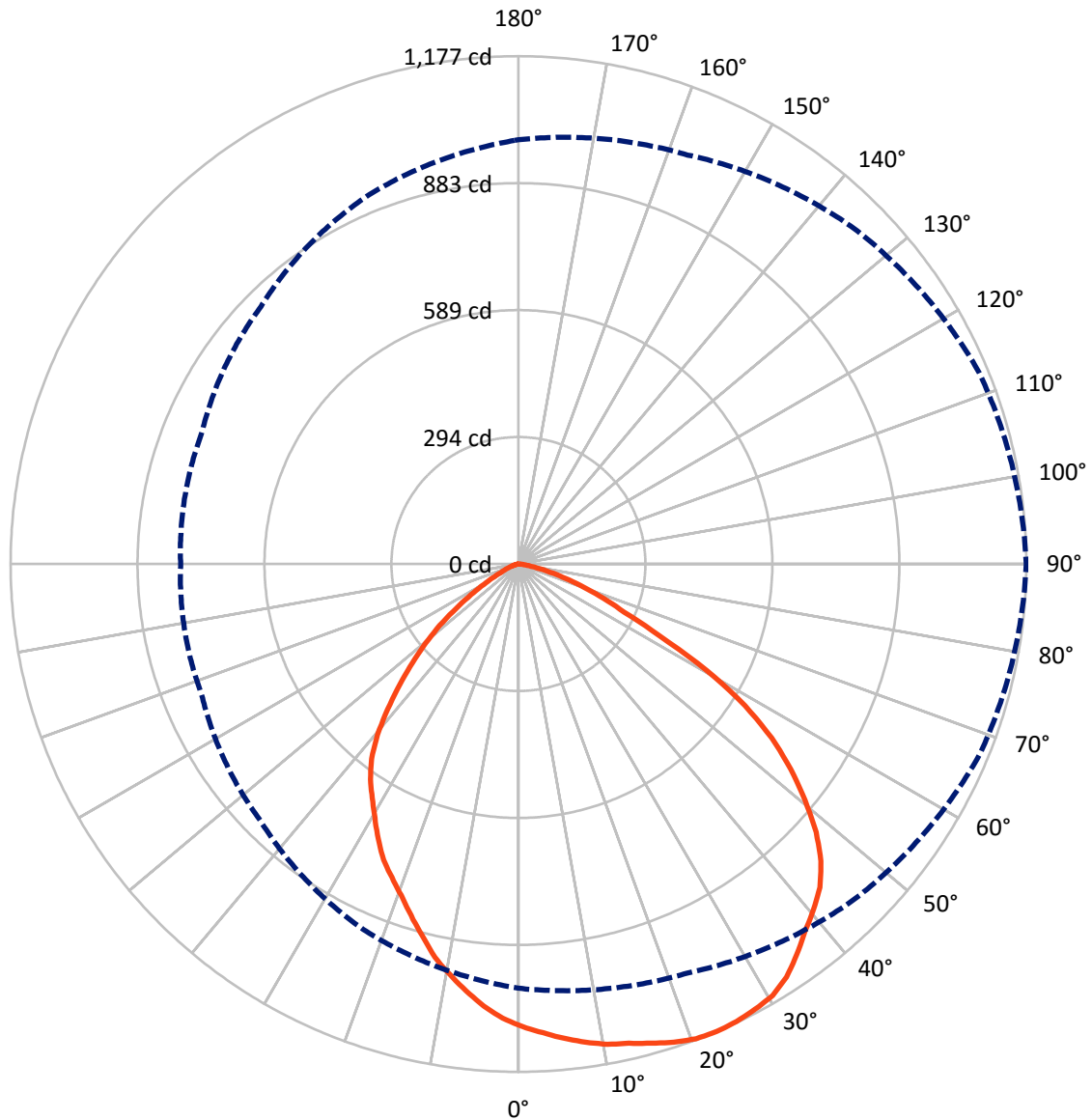
✕ Max cd  
 - - - 1/2 Max cd



Based on 9 foot mounting height. Maximum calculated value = 13.5 fc  
 Type I - Short - Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 22.5-Deg Vertical

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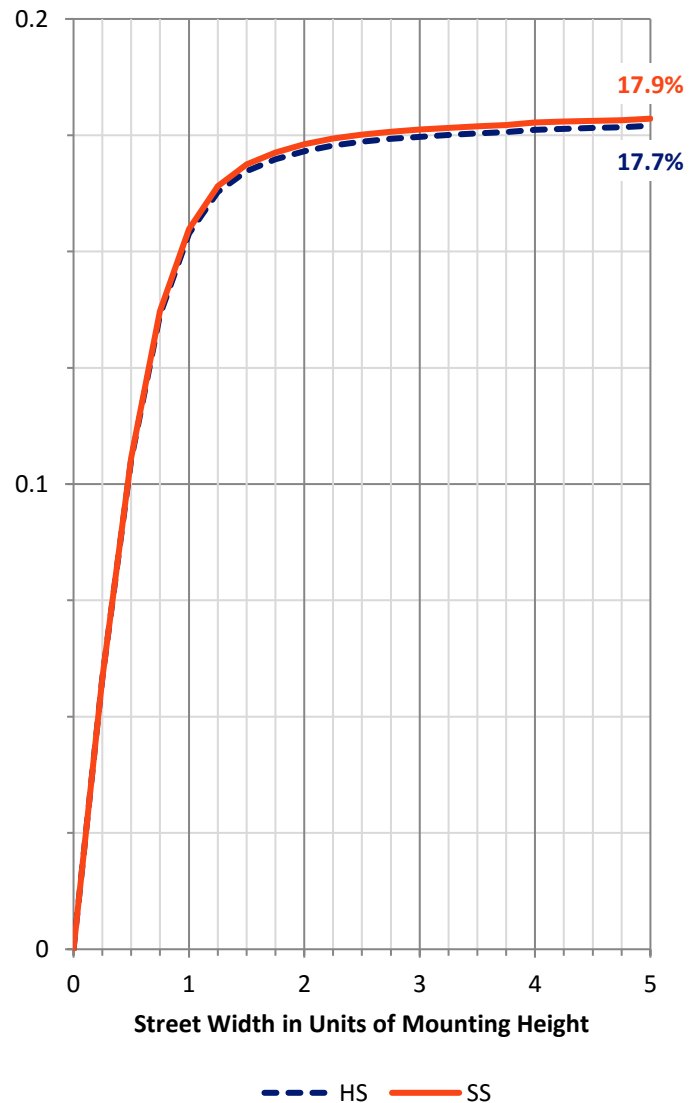
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1142.4	0.0	1142.4
	% Lamp	17.8	0.0	17.8
<b>Street Side</b>	Lumens	1142.4	0.0	1142.4
	% Lamp	17.8	0.0	17.8
<b>Total</b>	Lumens	2284.8	0.0	2284.8
	% Lamp	35.7	0.0	35.7

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	101.3	4.4	1.6
10°-20°	289.5	12.7	4.5
20°-30°	439.1	19.2	6.9
30°-40°	513.4	22.5	8.0
40°-50°	450.8	19.7	7.0
50°-60°	272.9	11.9	4.3
60°-70°	134.5	5.9	2.1
70°-80°	66.5	2.9	1.0
80°-90°	16.8	0.7	0.3
90°-100°	0.0	0.0	0.0
100°-110°	0.0	0.0	0.0
110°-120°	0.0	0.0	0.0
120°-130°	0.0	0.0	0.0
130°-140°	0.0	0.0	0.0
140°-150°	0.0	0.0	0.0
150°-160°	0.0	0.0	0.0
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-90°	2284.8	100.0	35.7
0°-180°	2284.8	100.0	35.7

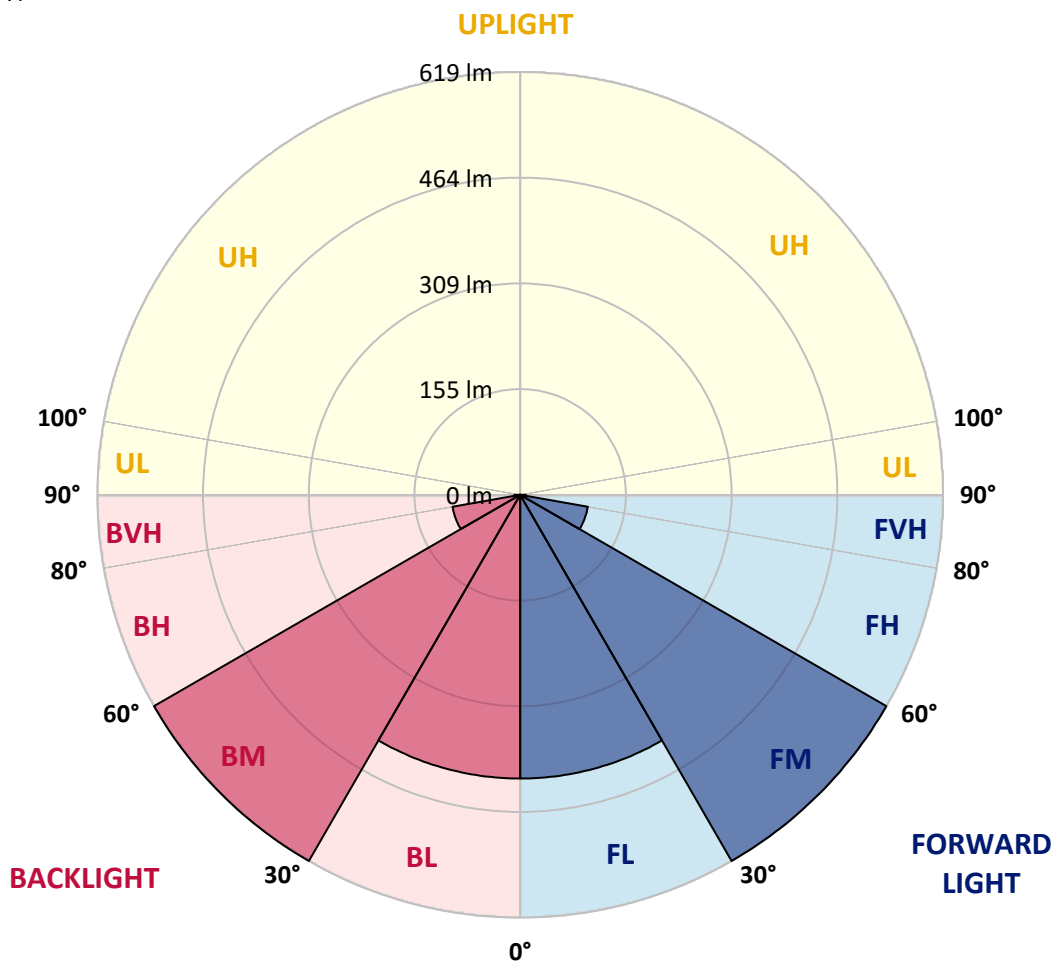


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Lamp	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	415.0	6.5			
FM (30°-60°)	618.5	9.7			
FH (60°-80°)	100.5	1.6			G0/660
FVH (80°-90°)	8.4	0.1			G0/10
BL (0°-30°)	415.0	6.5	B1/500		
BM (30°-60°)	618.5	9.7	B1/1000		
BH (60°-80°)	100.5	1.6	B0/110		G0/110
BVH (80°-90°)	8.4	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	
Trapped Light	4115.2	64.3			

**BUG Rating: B1-U0-G0**  
 Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1072.2	1072.2	1072.2	1072.2	1072.2	1072.2	1072.2	1072.2	1072.2	1072.2	1072.2
2.5°	1071.2	1076.1	1082.6	1088.3	1087.9	1088.3	1082.6	1076.1	1071.2	1066.7	1059.6
5°	1067.0	1076.4	1090.8	1102.0	1104.5	1102.0	1090.8	1076.4	1067.0	1058.1	1042.2
7.5°	1061.1	1074.9	1096.3	1113.8	1119.2	1113.8	1096.3	1074.9	1061.1	1046.7	1022.5
10°	1053.1	1071.1	1100.5	1125.0	1132.2	1125.0	1100.5	1071.1	1053.1	1032.5	997.3
12.5°	1044.8	1066.7	1103.3	1128.9	1140.0	1128.9	1103.3	1066.7	1044.8	1017.8	971.1
15°	1033.8	1059.9	1101.6	1135.0	1152.6	1135.0	1101.6	1059.9	1033.8	998.8	944.2
17.5°	1021.6	1052.4	1099.8	1143.9	1165.6	1143.9	1099.8	1052.4	1021.6	977.9	915.8
20°	1003.5	1041.9	1099.5	1152.6	1174.6	1152.6	1099.5	1041.9	1003.5	950.2	879.4
22.5°	983.1	1026.0	1100.1	1156.6	1177.1	1156.6	1100.1	1026.0	983.1	921.8	844.0
25°	959.1	1004.6	1094.8	1154.7	1174.6	1154.7	1094.8	1004.6	959.1	889.9	806.9
27.5°	929.3	973.6	1082.1	1146.5	1168.8	1146.5	1082.1	973.6	929.3	854.3	768.7
30°	895.8	940.5	1063.1	1134.2	1160.6	1134.2	1063.1	940.5	895.8	815.5	732.5
32.5°	855.4	902.1	1034.4	1117.0	1141.2	1117.0	1034.4	902.1	855.4	770.2	689.7
35°	809.6	860.7	1000.6	1089.8	1111.3	1089.8	1000.6	860.7	809.6	721.8	645.2
37.5°	749.9	810.1	954.2	1054.2	1079.6	1054.2	954.2	810.1	749.9	663.2	599.6
40°	683.2	756.2	902.5	1019.0	1053.4	1019.0	902.5	756.2	683.2	598.4	548.1
42.5°	600.6	699.1	844.0	975.4	1024.7	975.4	844.0	699.1	600.6	527.6	477.7
45°	501.9	602.1	757.3	924.8	982.9	924.8	757.3	602.1	501.9	447.8	398.2
47.5°	423.5	516.1	613.6	858.7	928.7	858.7	613.6	516.1	423.5	380.3	312.0
50°	336.0	440.0	506.1	762.3	860.7	762.3	506.1	440.0	336.0	305.9	259.9
52.5°	260.5	347.3	486.3	609.6	791.1	609.6	486.3	347.3	260.5	244.9	245.1
55°	201.0	264.6	450.0	474.8	712.1	474.8	450.0	264.6	201.0	185.8	206.4
57.5°	168.7	202.8	395.7	400.7	619.3	400.7	395.7	202.8	168.7	141.7	174.0
60°	158.2	166.1	318.2	334.3	502.5	334.3	318.2	166.1	158.2	115.8	130.9
62.5°	146.2	152.1	235.1	284.7	366.0	284.7	235.1	152.1	146.2	108.3	98.2
65°	117.6	144.2	170.8	243.1	268.8	243.1	170.8	144.2	117.6	97.8	66.2
67.5°	85.9	129.9	120.5	221.2	212.5	221.2	120.5	129.9	85.9	81.6	45.4
70°	59.5	100.3	101.0	195.5	160.4	195.5	101.0	100.3	59.5	61.9	35.7
72.5°	62.4	65.9	103.0	165.4	114.7	165.4	103.0	65.9	62.4	39.9	33.9
75°	80.4	66.6	113.3	131.9	75.6	131.9	113.3	66.6	80.4	40.7	32.1
77.5°	56.5	83.8	88.8	86.8	45.7	86.8	88.8	83.8	56.5	48.2	29.5
80°	36.7	60.9	63.6	60.9	26.0	60.9	63.6	60.9	36.7	34.7	17.0
82.5°	34.6	38.2	44.7	38.9	13.7	38.9	44.7	38.2	34.6	18.0	9.5
85°	21.5	27.4	32.7	17.7	6.2	17.7	32.7	27.4	21.5	8.3	4.5
87.5°	4.8	7.0	7.0	5.8	1.5	5.8	7.0	7.0	4.8	1.5	1.2
90°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5



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**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1072.2	1072.2	1072.2	1072.2	1072.2	1072.2
2.5°	1054.2	1053.1	1054.2	1059.6	1066.7	1071.2
5°	1031.2	1027.5	1031.2	1042.2	1058.1	1067.0
7.5°	1003.5	996.6	1003.5	1022.5	1046.7	1061.1
10°	973.3	964.4	973.3	997.3	1032.5	1053.1
12.5°	943.5	932.0	943.5	971.1	1017.8	1044.8
15°	906.4	889.9	906.4	944.2	998.8	1033.8
17.5°	866.9	851.5	866.9	915.8	977.9	1021.6
20°	828.1	814.4	828.1	879.4	950.2	1003.5
22.5°	794.3	782.9	794.3	844.0	921.8	983.1
25°	764.2	753.7	764.2	806.9	889.9	959.1
27.5°	732.1	715.6	732.1	768.7	854.3	929.3
30°	695.1	675.7	695.1	732.5	815.5	895.8
32.5°	655.5	639.1	655.5	689.7	770.2	855.4
35°	620.4	605.3	620.4	645.2	721.8	809.6
37.5°	576.2	565.5	576.2	599.6	663.2	749.9
40°	526.2	513.3	526.2	548.1	598.4	683.2
42.5°	467.7	452.6	467.7	477.7	527.6	600.6
45°	403.4	392.2	403.4	398.2	447.8	501.9
47.5°	337.6	335.1	337.6	312.0	380.3	423.5
50°	265.6	282.5	265.6	259.9	305.9	336.0
52.5°	206.0	231.6	206.0	245.1	244.9	260.5
55°	155.6	176.3	155.6	206.4	185.8	201.0
57.5°	122.2	130.5	122.2	174.0	141.7	168.7
60°	94.3	92.8	94.3	130.9	115.8	158.2
62.5°	72.0	63.4	72.0	98.2	108.3	146.2
65°	55.1	43.9	55.1	66.2	97.8	117.6
67.5°	41.7	33.5	41.7	45.4	81.6	85.9
70°	33.5	25.2	33.5	35.7	61.9	59.5
72.5°	25.7	18.5	25.7	33.9	39.9	62.4
75°	19.9	12.7	19.9	32.1	40.7	80.4
77.5°	13.7	8.3	13.7	29.5	48.2	56.5
80°	8.7	5.1	8.7	17.0	34.7	36.7
82.5°	4.8	3.0	4.8	9.5	18.0	34.6
85°	1.8	1.5	1.8	4.5	8.3	21.5
87.5°	0.8	0.5	0.8	1.2	1.5	4.8
90°	0.5	0.5	0.5	0.5	0.5	0.5

(END OF REPORT)