

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: INVUE

Report Number: P671314

Luminaire Tested: **CCP-SA-1C-840-U-SL2**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P671314  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1C-840-U-SL2  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ SL2 distribution lens  
Light Source: (16) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

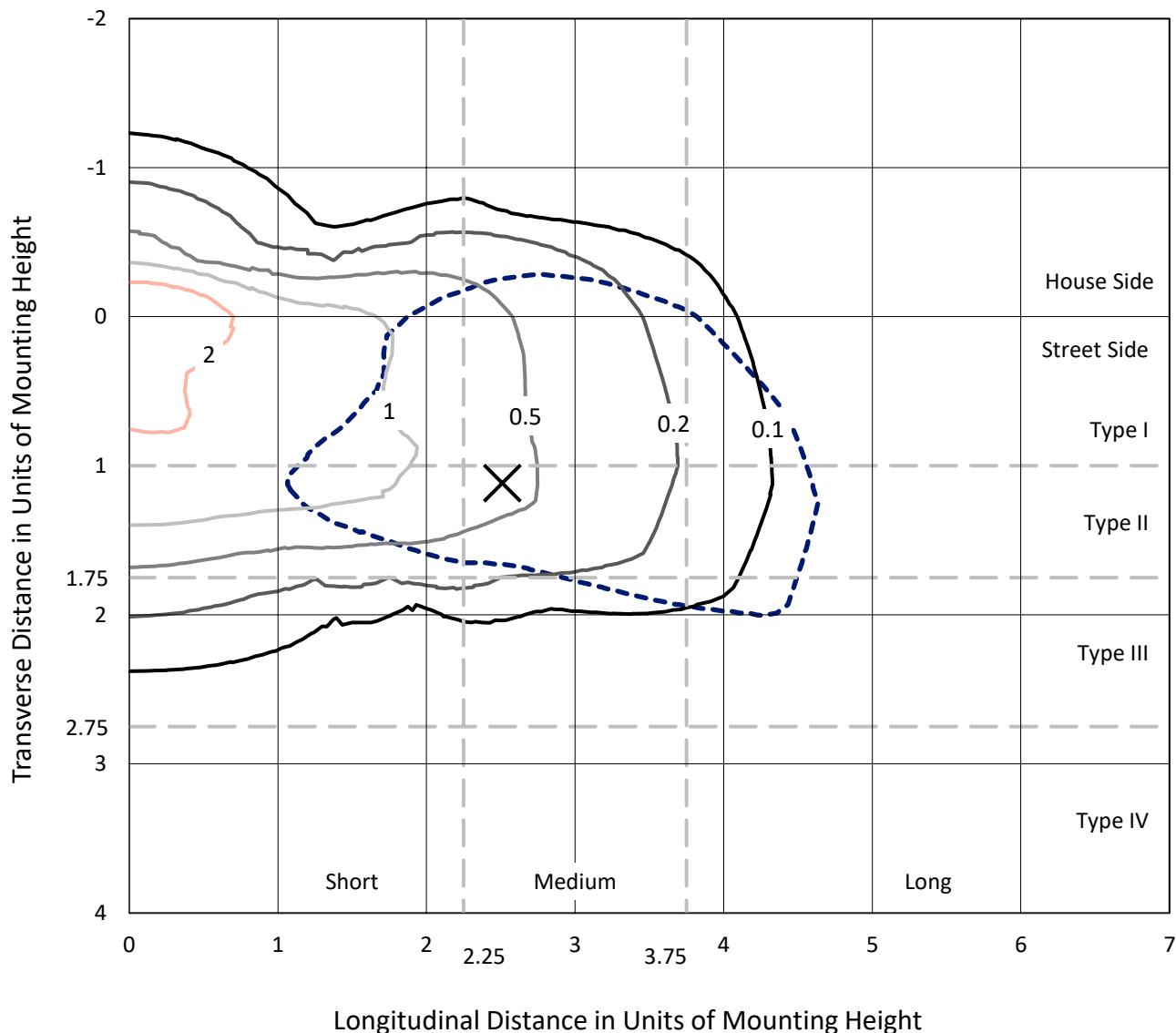
Lumens per Lamp: N/A  
Luminaire Lumens: 3815.1 lumens  
Efficiency: N/A  
Efficacy: 119.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 32  
Input Voltage (V): 120  
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

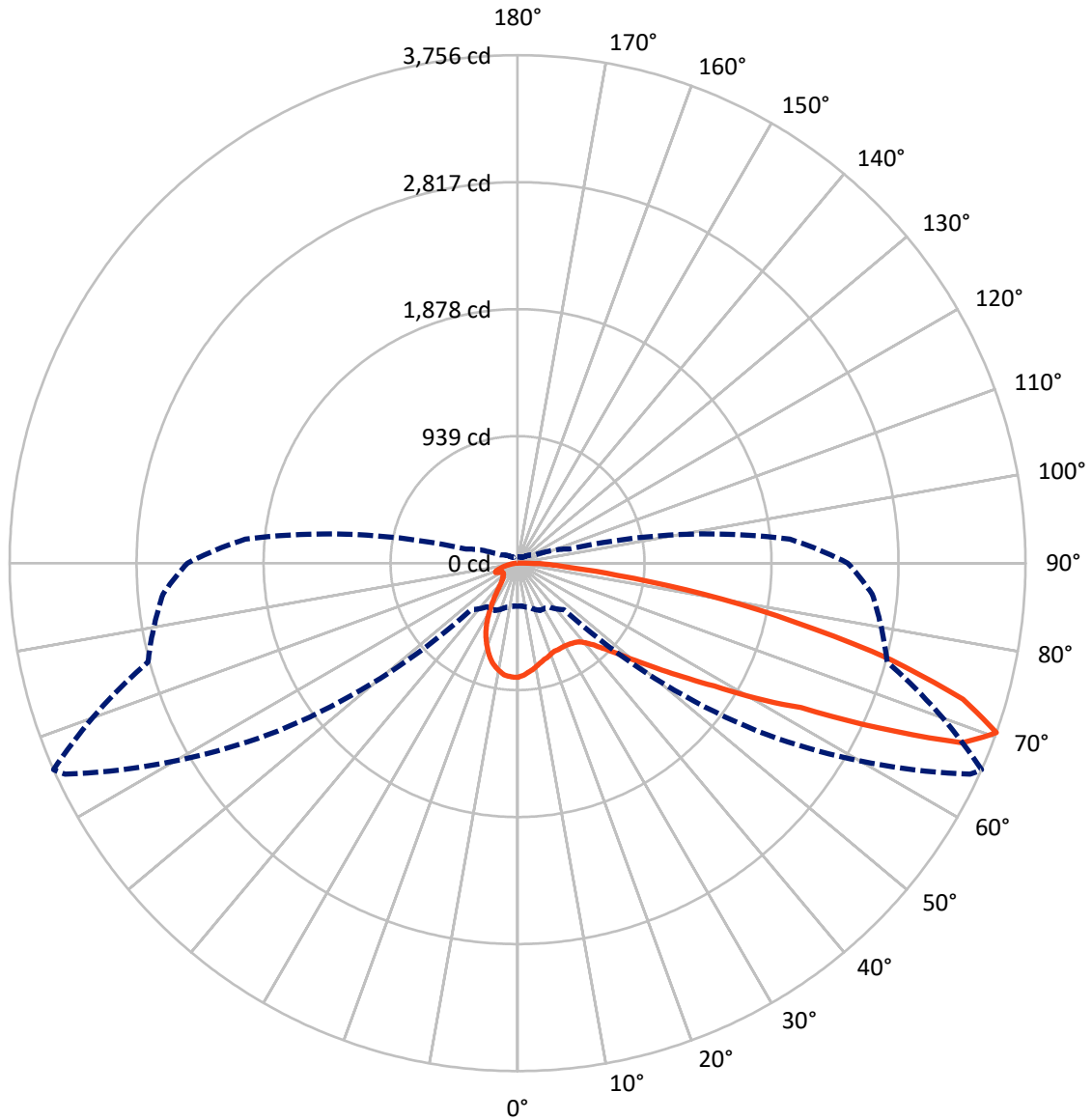
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.7 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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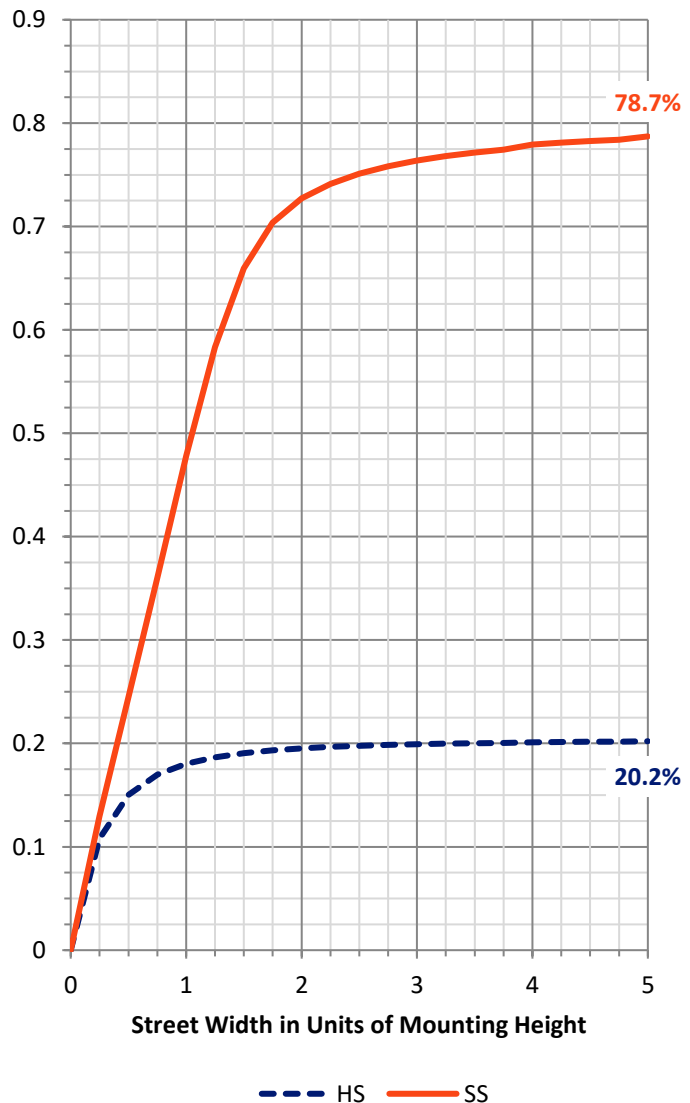
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	780.9	0.0	780.9
	% Fixture	20.5	0.0	20.5
<b>Street Side</b>	Lumens	3034.2	0.0	3034.2
	% Fixture	79.5	0.0	79.5
<b>Total</b>	Lumens	3815.1	0.0	3815.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.5	2.0
10°-20°	183.5	4.8
20°-30°	252.0	6.6
30°-40°	337.8	8.9
40°-50°	490.2	12.8
50°-60°	745.0	19.5
60°-70°	920.2	24.1
70°-80°	684.3	17.9
80°-90°	127.6	3.3
90°-100°	0.0	0.0
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°	3815.1	100.0
0°-180°	3815.1	100.0



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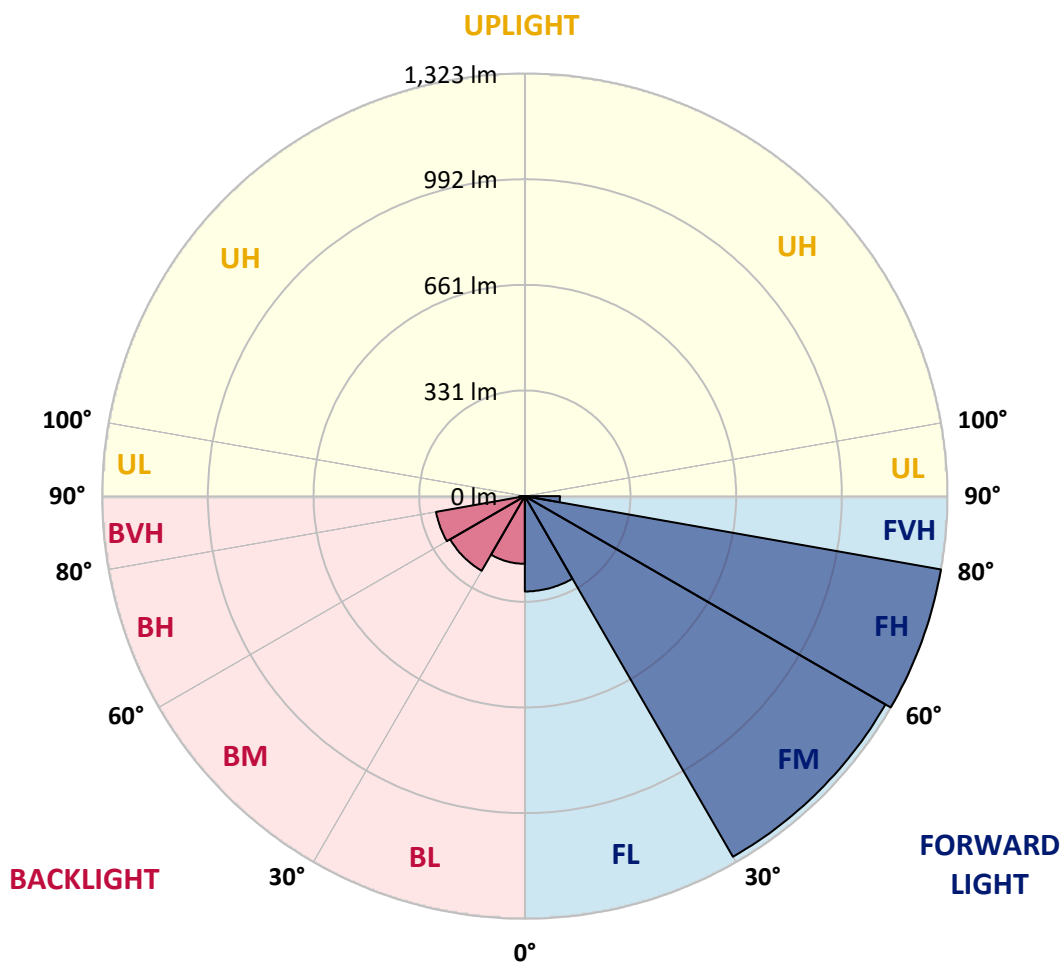
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	298.3	7.8			
FM (30°-60°)	1303.3	34.2			
FH (60°-80°)	1322.6	34.7			G1/1800
FVH (80°-90°)	110.0	2.9			G2/225
BL (0°-30°)	211.6	5.5	B1/500		
BM (30°-60°)	269.7	7.1	B1/1000		
BH (60°-80°)	281.9	7.4	B1/500		G1/500
BVH (80°-90°)	17.6	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	842.9	842.9	842.9	842.9	842.9	842.9	842.9	842.9	842.9	842.9	842.9
2.5°	801.7	806.0	807.4	810.2	817.3	823.0	831.5	835.8	831.5	837.2	837.2
5°	746.4	740.7	754.9	760.6	769.1	780.4	800.3	815.9	811.7	828.7	842.9
7.5°	699.6	699.6	703.8	716.6	726.5	743.5	764.8	788.9	796.0	818.7	840.0
10°	657.0	662.7	662.7	682.5	688.2	708.1	743.5	773.3	774.8	813.1	842.9
12.5°	634.3	631.4	645.6	651.3	668.3	688.2	716.6	753.5	754.9	796.0	837.2
15°	615.8	618.7	625.8	640.0	655.6	671.2	698.1	732.2	739.3	787.5	834.4
17.5°	617.3	618.7	618.7	628.6	641.4	659.8	685.4	725.1	729.4	776.2	830.1
20°	625.8	620.1	624.3	628.6	637.1	654.1	675.4	709.5	713.7	774.8	840.0
22.5°	644.2	640.0	638.5	637.1	635.7	645.6	672.6	701.0	705.2	767.7	844.3
25°	674.0	672.6	662.7	652.7	645.6	645.6	666.9	708.1	706.6	767.7	847.1
27.5°	709.5	709.5	708.1	689.6	668.3	657.0	671.2	705.2	703.8	767.7	854.2
30°	757.7	757.7	753.5	736.4	698.1	665.5	674.0	702.4	706.6	762.0	848.5
32.5°	810.2	808.8	813.1	797.5	757.7	705.2	691.0	708.1	712.3	767.7	850.0
35°	848.5	857.1	871.2	857.1	817.3	746.4	715.2	719.4	722.3	769.1	855.6
37.5°	892.5	902.5	922.3	933.7	891.1	808.8	753.5	737.9	737.9	787.5	857.1
40°	956.4	946.5	980.5	1000.4	983.3	885.4	813.1	771.9	773.3	811.7	875.5
42.5°	1003.2	1013.1	1048.6	1084.1	1062.8	979.1	878.3	827.3	827.3	847.1	903.9
45°	1055.7	1067.1	1116.7	1159.3	1174.9	1091.2	967.7	906.7	903.9	916.7	955.0
47.5°	1113.9	1129.5	1186.3	1235.9	1277.1	1207.5	1082.7	1003.2	1001.8	1011.7	1040.1
50°	1180.6	1186.3	1233.1	1323.9	1406.2	1362.2	1223.2	1139.4	1132.3	1136.6	1174.9
52.5°	1200.5	1196.2	1250.1	1348.0	1498.4	1550.9	1414.7	1294.1	1291.3	1281.3	1331.0
55°	1128.1	1142.3	1194.8	1319.6	1573.6	1773.7	1624.7	1505.5	1480.0	1453.0	1512.6
57.5°	983.3	984.8	1044.4	1191.9	1515.5	1958.2	1980.9	1712.7	1714.1	1641.8	1709.9
60°	764.8	760.6	807.4	940.8	1349.4	2014.9	2369.7	2043.3	2029.1	1830.5	1892.9
62.5°	552.0	543.5	553.4	631.4	1008.9	1928.4	2751.4	2413.7	2354.1	2023.5	2071.7
65°	454.1	458.3	462.6	466.8	566.2	1590.7	2869.2	3018.2	2938.7	2249.1	2268.9
67.5°	376.0	378.9	397.3	422.9	420.0	939.4	2732.9	3577.2	3547.4	2528.6	2439.2
70°	319.3	317.8	339.1	386.0	393.1	488.1	2163.9	3692.2	3756.0	2829.4	2632.2
72.5°	255.4	258.3	276.7	339.1	386.0	411.5	1245.9	3445.3	3443.8	3060.7	2528.6
75°	183.0	183.0	208.6	281.0	373.2	407.2	689.6	2796.8	2849.3	2876.3	2193.7
77.5°	120.6	126.3	146.2	210.0	350.5	398.7	437.0	2033.4	2098.7	2151.2	1678.6
80°	82.3	85.1	97.9	146.2	296.6	401.6	357.6	1367.9	1393.4	1187.7	681.1
82.5°	49.7	51.1	65.3	102.2	212.8	381.7	336.3	754.9	739.3	359.0	195.8
85°	27.0	28.4	41.2	68.1	140.5	333.5	330.6	370.4	344.8	132.0	82.3
87.5°	9.9	9.9	18.4	34.1	80.9	228.5	288.1	219.9	205.8	66.7	38.3
90°	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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	842.9	842.9	842.9	842.9	842.9	842.9	842.9	842.9	842.9	842.9	842.9
2.5°	844.3	844.3	844.3	844.3	842.9	837.2	841.5	840.0	831.5	832.9	827.3
5°	841.5	848.5	844.3	838.6	831.5	814.5	808.8	804.6	793.2	788.9	793.2
7.5°	848.5	842.9	840.0	830.1	801.7	786.1	766.2	742.1	725.1	720.8	725.1
10°	847.1	847.1	834.4	806.0	779.0	733.6	708.1	665.5	641.4	634.3	635.7
12.5°	841.5	845.7	825.8	780.4	729.4	674.0	627.2	581.8	539.2	522.2	519.3
15°	847.1	842.9	807.4	749.2	678.3	601.6	533.5	466.8	427.1	401.6	395.9
17.5°	838.6	834.4	783.3	706.6	611.6	513.7	428.5	356.2	316.4	306.5	306.5
20°	848.5	821.6	754.9	655.6	542.0	417.2	320.7	266.8	256.8	256.8	259.7
22.5°	847.1	818.7	730.8	605.9	458.3	315.0	238.4	222.8	224.2	235.5	234.1
25°	838.6	813.1	696.7	550.6	370.4	237.0	197.2	193.0	202.9	215.7	214.3
27.5°	837.2	797.5	665.5	485.3	282.4	187.3	171.7	171.7	181.6	193.0	191.6
30°	828.7	784.7	627.2	411.5	212.8	163.2	157.5	157.5	161.8	167.4	167.4
32.5°	827.3	767.7	584.6	334.9	170.3	147.6	144.7	146.2	146.2	149.0	147.6
35°	815.9	745.0	540.6	259.7	147.6	139.1	136.2	134.8	134.8	133.4	133.4
37.5°	811.7	730.8	495.2	201.5	137.6	132.0	129.1	124.9	123.5	123.5	122.0
40°	815.9	716.6	451.2	163.2	129.1	126.3	122.0	116.4	114.9	114.9	114.9
42.5°	831.5	715.2	405.8	141.9	124.9	120.6	114.9	109.3	107.8	109.3	107.8
45°	867.0	726.5	361.8	132.0	119.2	114.9	107.8	103.6	102.2	103.6	103.6
47.5°	925.2	757.7	322.1	126.3	114.9	109.3	102.2	97.9	97.9	97.9	97.9
50°	1021.7	817.3	283.8	122.0	112.1	105.0	97.9	92.2	90.8	90.8	92.2
52.5°	1166.4	919.5	252.6	119.2	107.8	99.3	92.2	88.0	85.1	83.7	85.1
55°	1340.9	1068.5	242.6	116.4	102.2	95.1	88.0	82.3	79.5	79.5	78.0
57.5°	1528.2	1233.1	259.7	113.5	97.9	89.4	82.3	76.6	73.8	72.4	72.4
60°	1731.1	1427.5	322.1	112.1	93.7	83.7	76.6	72.4	68.1	66.7	66.7
62.5°	1915.6	1603.4	434.2	110.7	90.8	78.0	70.9	65.3	62.4	61.0	61.0
65°	2125.6	1799.3	543.5	116.4	89.4	73.8	65.3	59.6	56.8	55.3	55.3
67.5°	2308.7	1969.5	607.3	130.5	93.7	68.1	58.2	53.9	52.5	51.1	51.1
70°	2442.1	2022.0	407.2	143.3	100.7	63.9	52.5	49.7	46.8	46.8	46.8
72.5°	2263.3	1804.9	241.2	134.8	95.1	59.6	46.8	44.0	42.6	42.6	41.2
75°	1935.5	1536.7	185.9	109.3	76.6	51.1	41.2	38.3	36.9	36.9	35.5
77.5°	1428.9	1101.1	137.6	86.6	59.6	41.2	35.5	34.1	32.6	31.2	31.2
80°	559.1	482.5	93.7	63.9	44.0	32.6	29.8	28.4	27.0	25.5	25.5
82.5°	173.1	146.2	53.9	42.6	31.2	25.5	24.1	22.7	21.3	19.9	19.9
85°	75.2	72.4	35.5	27.0	21.3	17.0	17.0	15.6	14.2	12.8	12.8
87.5°	36.9	35.5	19.9	12.8	11.4	8.5	8.5	7.1	5.7	5.7	5.7
90°	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)