

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: P670942

Luminaire Tested: **CCP-SA-2A-730-U-T4FT**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P670942
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-730-U-T4FT
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T4FT distribution lens
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

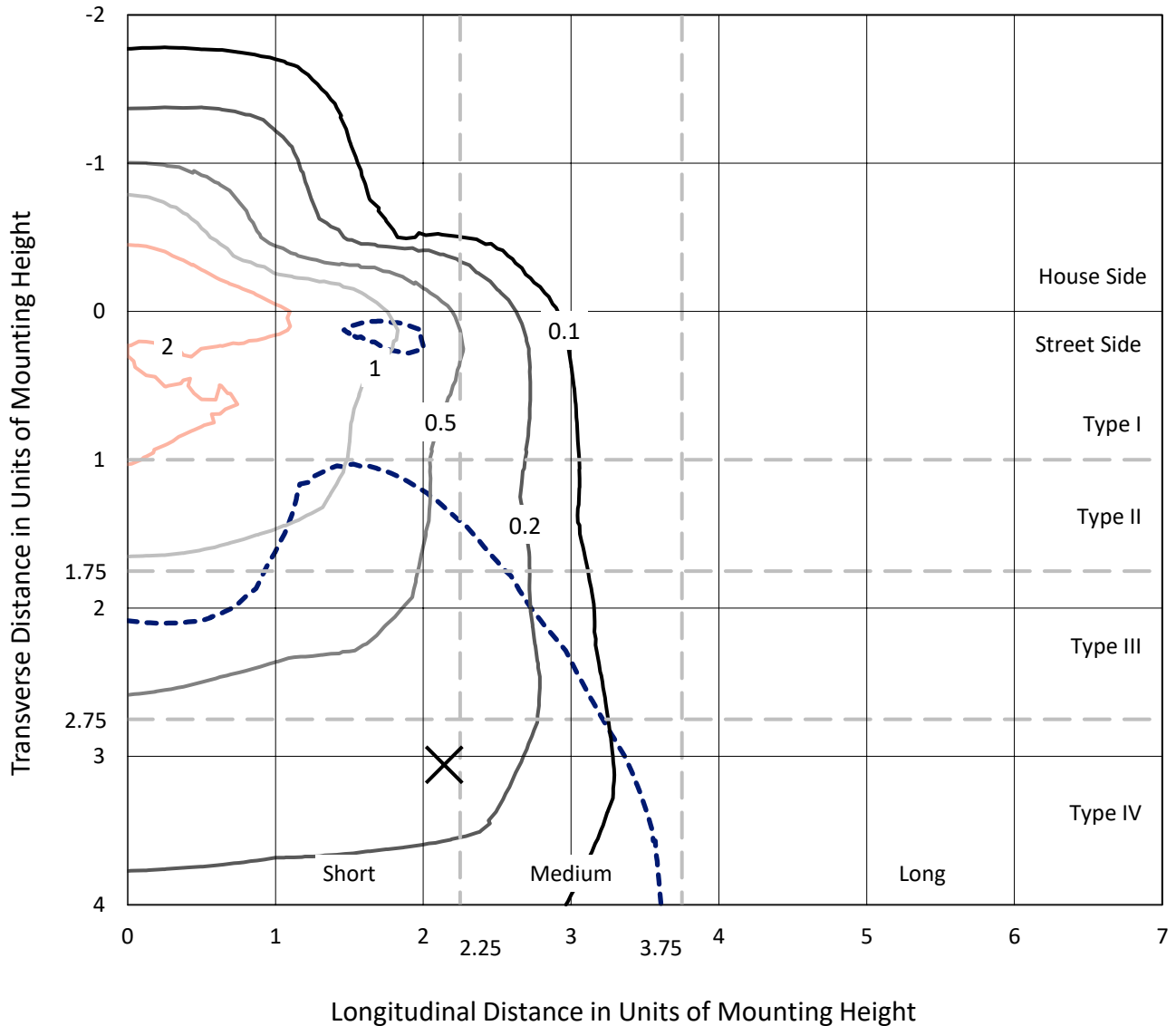
Lumens per Lamp: N/A
Luminaire Lumens: 4979.4 lumens
Efficiency: N/A
Efficacy: 137.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 36.2
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

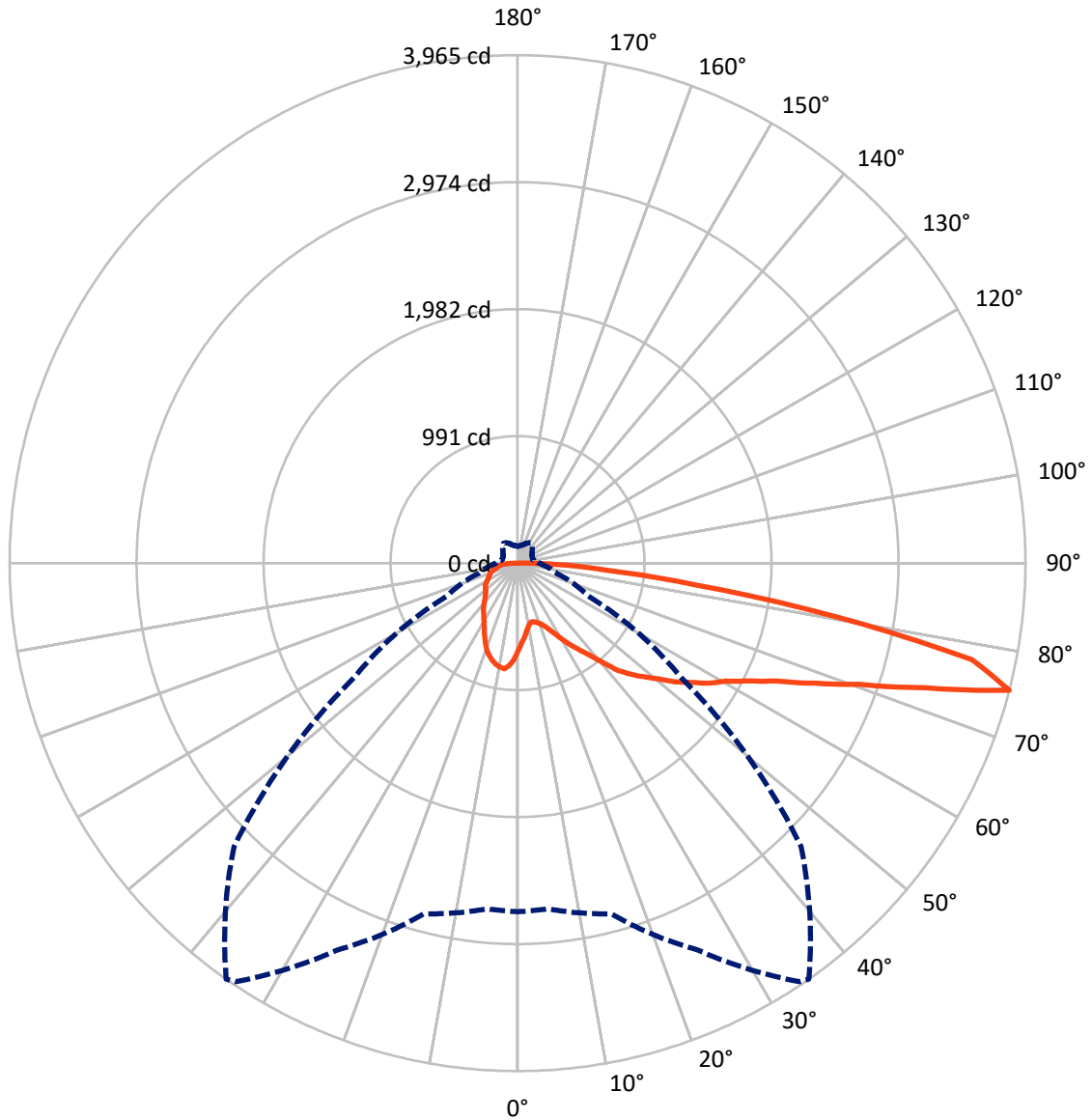
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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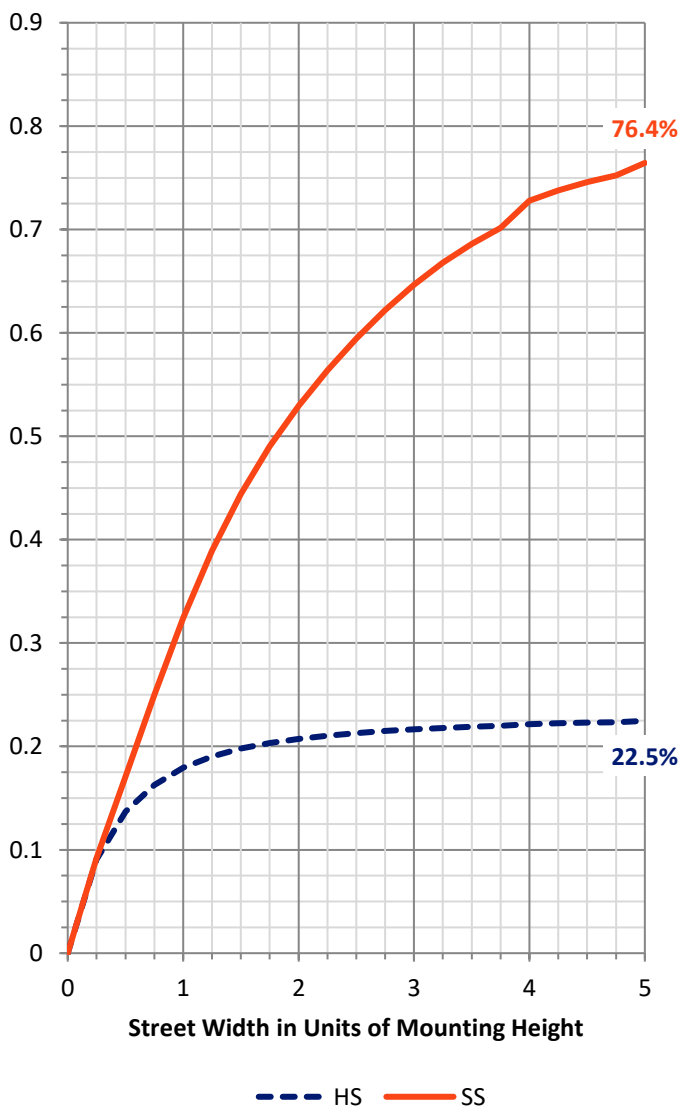
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1144.4	0.0	1144.4
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	3835.0	0.0	3835.0
	% Fixture	77.0	0.0	77.0
Total	Lumens	4979.4	0.0	4979.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.0	1.3
10°-20°	188.7	3.8
20°-30°	313.0	6.3
30°-40°	464.1	9.3
40°-50°	669.1	13.4
50°-60°	920.1	18.5
60°-70°	1136.6	22.8
70°-80°	1039.8	20.9
80°-90°	183.0	3.7
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°	4979.4	100.0
0°-180°	4979.4	100.0



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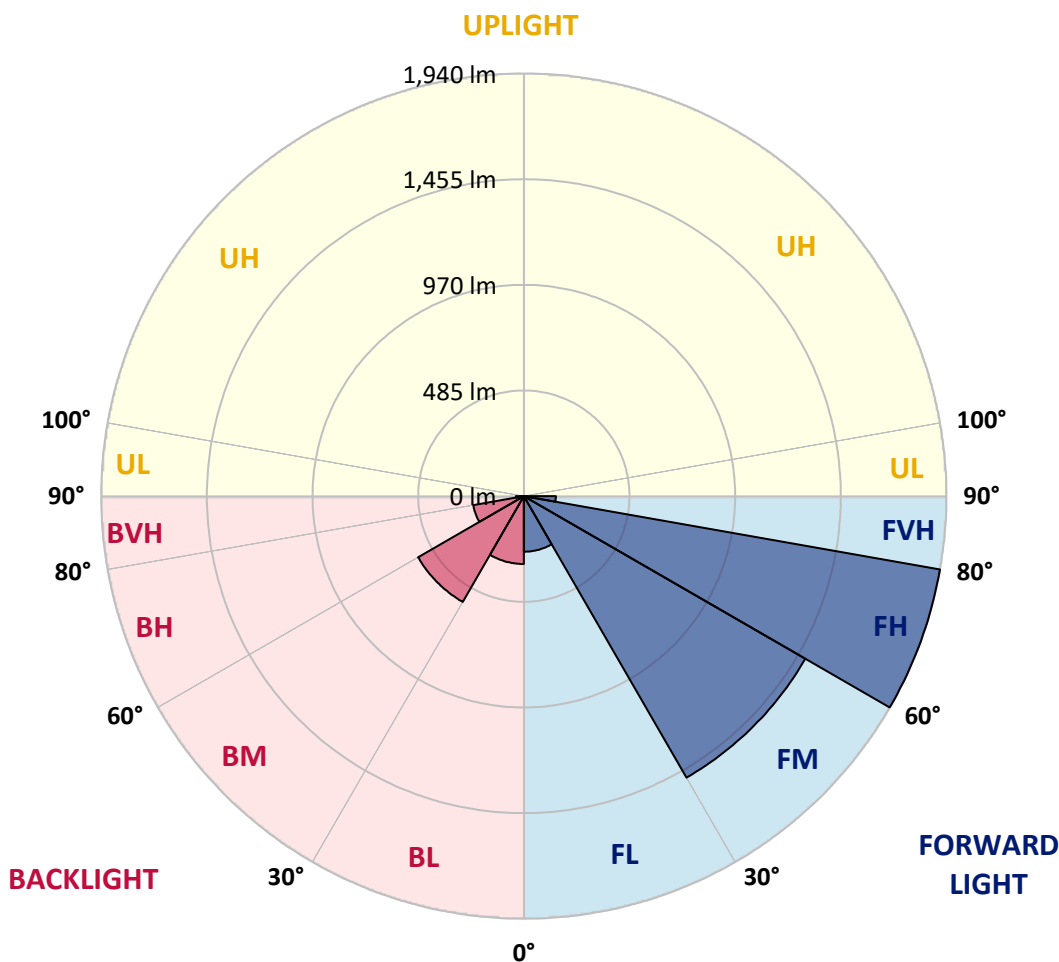
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	255.2	5.1			
FM (30°-60°)	1492.5	30.0			
FH (60°-80°)	1940.4	39.0			G2/5000
FVH (80°-90°)	146.9	3.0			G2/225
BL (0°-30°)	311.5	6.3	B1/500		
BM (30°-60°)	560.8	11.3	B1/1000		
BH (60°-80°)	236.0	4.7	B1/500		G1/500
BVH (80°-90°)	36.1	0.7			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	682.2	682.2	682.2	682.2	682.2	682.2	682.2	682.2	682.2	682.2	682.2
2.5°	618.0	612.5	618.0	621.7	621.7	621.7	627.2	643.7	654.7	662.0	674.9
5°	553.8	555.7	559.3	568.5	574.0	577.7	586.8	607.0	623.5	647.4	674.9
7.5°	497.0	500.7	506.2	515.3	528.2	526.3	546.5	574.0	605.2	636.4	676.7
10°	467.6	475.0	476.8	478.6	491.5	491.5	519.0	550.2	588.7	629.0	676.7
12.5°	473.1	473.1	467.6	465.8	473.1	471.3	495.1	531.8	574.0	630.9	684.0
15°	489.6	489.6	478.6	467.6	478.6	475.0	495.1	524.5	574.0	632.7	698.7
17.5°	511.7	513.5	500.7	482.3	486.0	487.8	502.5	530.0	574.0	636.4	718.9
20°	555.7	546.5	526.3	497.0	509.8	504.3	526.3	550.2	585.0	651.0	748.2
22.5°	594.2	594.2	555.7	530.0	531.8	531.8	552.0	572.2	601.5	671.2	770.2
25°	656.5	652.9	605.2	566.7	570.3	572.2	583.2	607.0	629.0	682.2	797.7
27.5°	735.4	726.2	678.5	634.5	619.9	625.4	630.9	649.2	654.7	700.5	830.8
30°	819.7	806.9	766.6	696.9	689.5	691.4	682.2	693.2	685.9	729.9	863.8
32.5°	872.9	872.9	834.4	783.1	762.9	762.9	731.7	739.1	739.1	757.4	922.4
35°	918.8	915.1	889.4	850.9	838.1	830.8	799.6	810.6	792.2	810.6	1005.0
37.5°	988.5	977.5	966.5	940.8	915.1	909.6	893.1	900.4	874.8	865.6	1098.5
40°	1069.2	1063.7	1052.7	1041.6	1016.0	1014.1	995.8	1003.1	975.6	940.8	1192.0
42.5°	1188.4	1171.9	1137.0	1127.8	1133.3	1140.7	1133.3	1120.5	1071.0	1027.0	1292.9
45°	1307.6	1281.9	1215.9	1201.2	1243.4	1237.9	1269.0	1263.5	1182.9	1113.2	1399.3
47.5°	1384.6	1362.6	1309.4	1300.2	1318.6	1325.9	1419.4	1402.9	1274.6	1192.0	1502.0
50°	1439.6	1441.4	1371.7	1395.6	1419.4	1419.4	1536.8	1535.0	1386.4	1289.2	1635.8
52.5°	1520.3	1494.6	1465.3	1487.3	1520.3	1538.6	1683.5	1643.2	1456.1	1371.7	1786.2
55°	1562.5	1551.5	1525.8	1564.3	1634.0	1643.2	1797.2	1766.0	1535.0	1468.9	1940.3
57.5°	1579.0	1588.1	1630.3	1646.8	1744.0	1767.9	1899.9	1855.9	1608.3	1590.0	2059.5
60°	1652.3	1639.5	1696.3	1762.4	1855.9	1868.7	2028.3	1932.9	1679.8	1668.8	2098.0
62.5°	1800.9	1767.9	1799.0	1877.9	2008.1	2024.6	2164.0	2035.6	1711.0	1722.0	2096.1
65°	2017.3	1993.4	1947.6	2009.9	2193.3	2217.2	2323.5	2123.6	1701.8	1703.7	1947.6
67.5°	2272.2	2233.7	2186.0	2224.5	2448.2	2503.3	2517.9	2162.2	1637.7	1601.0	1584.5
70°	2495.9	2470.2	2439.1	2505.1	2816.8	2837.0	2760.0	2138.3	1459.8	1285.6	1056.3
72.5°	2705.0	2692.1	2710.5	2958.1	3315.7	3328.5	2987.4	1987.9	1153.5	779.4	491.5
75°	2721.5	2708.6	2835.2	3332.2	3941.0	3964.9	3128.6	1558.8	608.9	317.3	207.2
77.5°	1843.1	1881.6	2118.1	2917.7	3620.1	3625.6	2558.3	724.4	251.2	187.1	144.9
80°	453.0	502.5	797.7	1509.3	2440.9	2501.4	1401.1	243.9	165.0	143.0	108.2
82.5°	165.0	179.7	324.6	682.2	1371.7	1395.6	489.6	132.0	119.2	110.0	78.9
85°	78.9	80.7	154.0	335.6	693.2	685.9	176.1	78.9	86.2	75.2	47.7
87.5°	33.0	33.0	67.9	155.9	306.3	297.1	56.9	36.7	49.5	44.0	23.8
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°	682.2	682.2	682.2	682.2	682.2	682.2	682.2	682.2	682.2	682.2	682.2
2.5°	684.0	687.7	702.4	713.4	724.4	733.6	748.2	748.2	757.4	757.4	757.4
5°	682.2	702.4	726.2	751.9	768.4	784.9	799.6	801.4	806.9	814.2	816.1
7.5°	689.5	709.7	748.2	784.9	805.1	812.4	830.8	825.2	825.2	825.2	830.8
10°	704.2	726.2	779.4	812.4	827.1	828.9	823.4	819.7	808.7	805.1	799.6
12.5°	715.2	753.7	806.9	832.6	827.1	821.6	808.7	790.4	777.6	773.9	773.9
15°	742.7	781.2	830.8	839.9	830.8	801.4	784.9	764.7	753.7	737.2	744.6
17.5°	766.6	810.6	854.6	843.6	825.2	779.4	755.6	726.2	711.5	693.2	693.2
20°	797.7	838.1	876.6	847.3	806.9	757.4	718.9	682.2	662.0	643.7	647.4
22.5°	832.6	869.3	889.4	832.6	779.4	722.6	669.4	634.5	608.9	597.8	601.5
25°	860.1	900.4	896.8	808.7	746.4	678.5	619.9	586.8	581.3	570.3	570.3
27.5°	894.9	937.1	891.3	779.4	691.4	608.9	572.2	559.3	559.3	553.8	557.5
30°	940.8	970.1	878.4	737.2	621.7	546.5	528.2	535.5	548.3	542.8	544.7
32.5°	1016.0	1012.3	867.4	689.5	548.3	486.0	498.8	513.5	524.5	530.0	533.7
35°	1089.3	1065.5	854.6	625.4	480.5	456.6	467.6	484.1	504.3	509.8	511.7
37.5°	1162.7	1120.5	832.6	546.5	438.3	431.0	442.0	451.1	467.6	471.3	475.0
40°	1239.7	1157.2	794.1	469.5	403.5	403.5	410.8	412.6	421.8	427.3	431.0
42.5°	1307.6	1192.0	724.4	398.0	366.8	379.6	381.4	377.8	370.4	374.1	375.9
45°	1390.1	1230.5	643.7	346.6	339.3	355.8	359.4	344.8	331.9	324.6	320.9
47.5°	1470.8	1270.9	574.0	304.4	313.6	339.3	339.3	322.8	300.8	282.4	275.1
50°	1544.1	1311.2	517.2	278.8	287.9	326.4	330.1	298.9	275.1	253.1	249.4
52.5°	1667.0	1379.1	458.5	258.6	273.2	317.3	315.4	287.9	256.7	232.9	231.1
55°	1775.2	1446.9	381.4	238.4	258.6	304.4	309.9	276.9	234.7	212.7	209.1
57.5°	1854.1	1463.4	304.4	218.2	243.9	289.8	297.1	254.9	220.1	201.7	199.9
60°	1868.7	1399.3	247.6	201.7	223.7	269.6	275.1	242.1	209.1	194.4	190.7
62.5°	1800.9	1276.4	210.9	187.1	207.2	249.4	260.4	227.4	198.1	185.2	183.4
65°	1646.8	1096.7	185.2	174.2	196.2	234.7	247.6	216.4	188.9	177.9	176.1
67.5°	1303.9	841.8	165.0	165.0	181.6	220.1	238.4	209.1	179.7	172.4	170.6
70°	852.8	506.2	150.4	152.2	170.6	207.2	227.4	199.9	168.7	166.9	163.2
72.5°	366.8	232.9	133.9	139.4	154.0	185.2	210.9	187.1	155.9	150.4	144.9
75°	168.7	141.2	121.0	124.7	137.5	163.2	190.7	172.4	144.9	135.7	130.2
77.5°	119.2	102.7	100.9	108.2	117.4	141.2	168.7	161.4	133.9	126.5	122.9
80°	88.0	78.9	84.4	91.7	97.2	130.2	159.5	148.5	122.9	111.9	106.4
82.5°	62.4	58.7	66.0	73.4	78.9	113.7	146.7	130.2	102.7	93.5	84.4
85°	36.7	38.5	45.8	49.5	55.0	84.4	122.9	104.5	78.9	60.5	58.7
87.5°	16.5	16.5	22.0	23.8	27.5	49.5	82.5	66.0	49.5	38.5	36.7
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)