

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: P670971

Luminaire Tested: **CCP-SA-1C-750-U-T4FT**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P670971  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1C-750-U-T4FT  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T4FT distribution lens  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

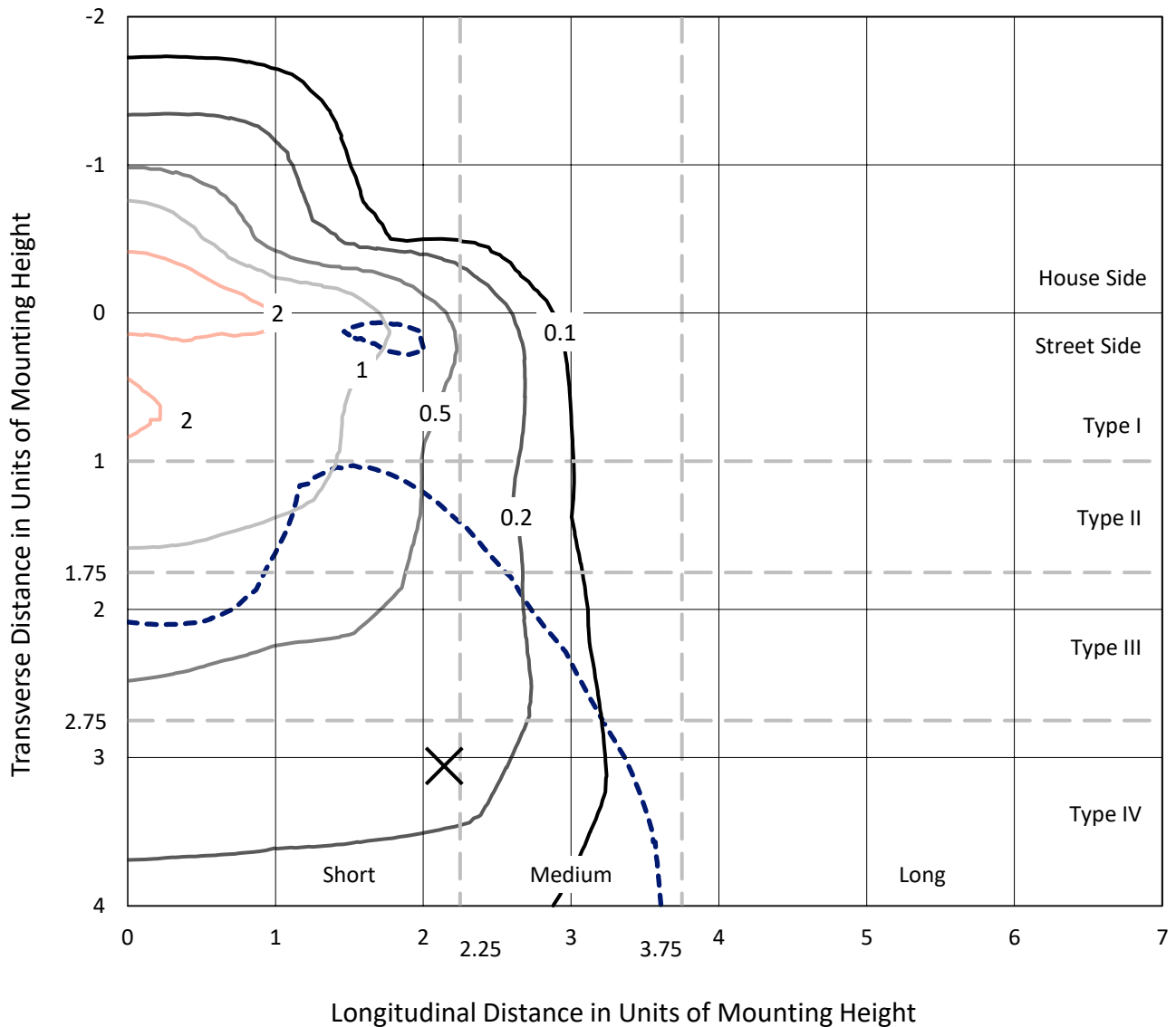
Lumens per Lamp: N/A  
Luminaire Lumens: 4622 lumens  
Efficiency: N/A  
Efficacy: 144.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

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

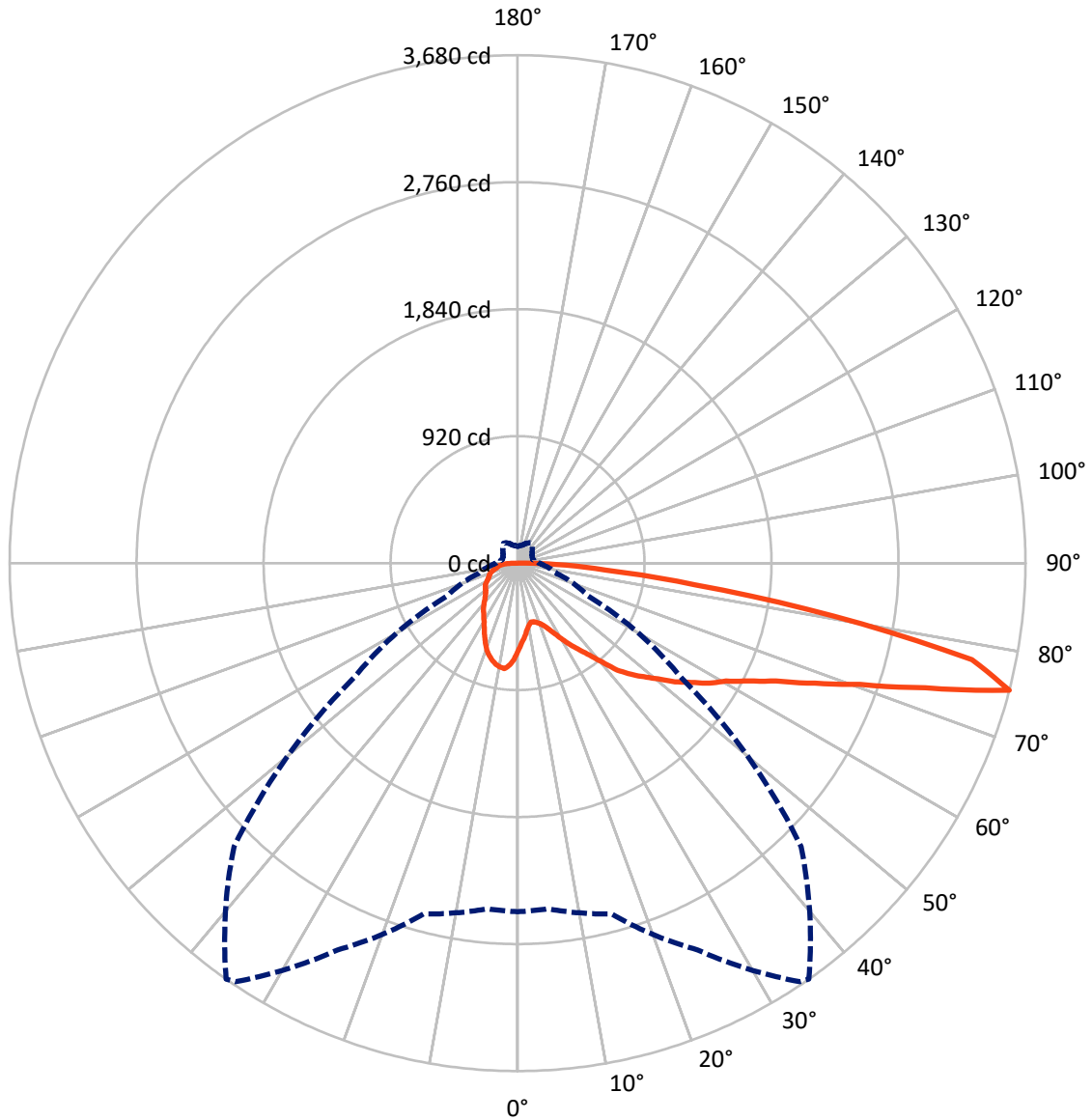
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.3 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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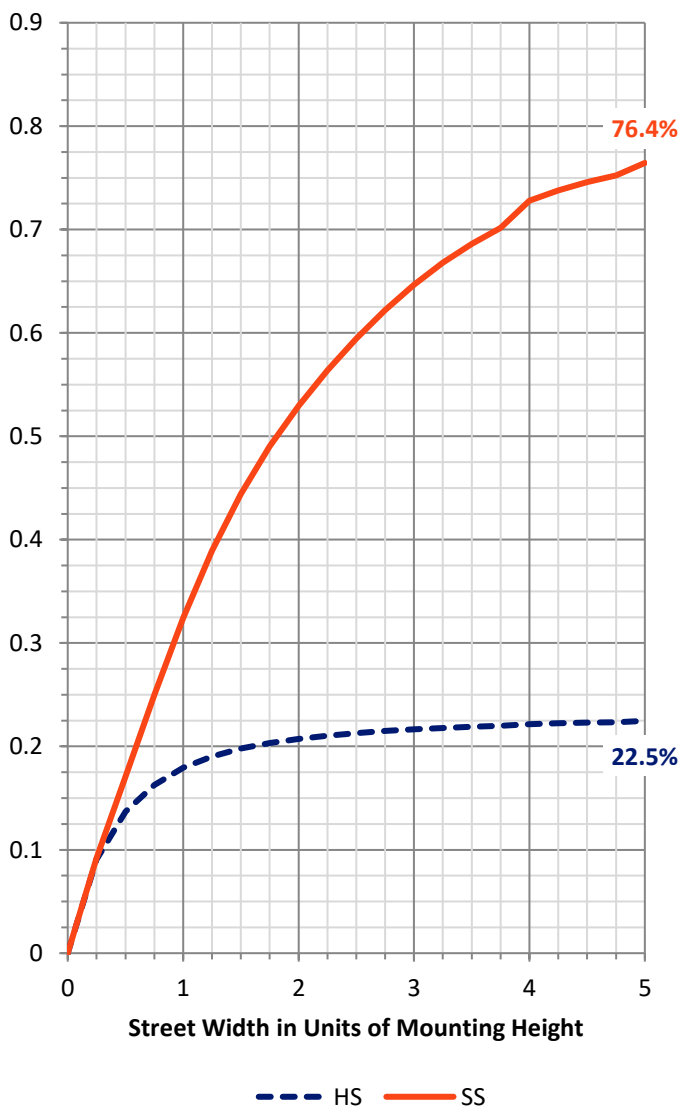
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1062.3	0.0	1062.3
	% Fixture	23.0	0.0	23.0
<b>Street Side</b>	Lumens	3559.7	0.0	3559.7
	% Fixture	77.0	0.0	77.0
<b>Total</b>	Lumens	4622.0	0.0	4622.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.3	1.3
10°-20°	175.1	3.8
20°-30°	290.6	6.3
30°-40°	430.7	9.3
40°-50°	621.1	13.4
50°-60°	854.1	18.5
60°-70°	1055.0	22.8
70°-80°	965.1	20.9
80°-90°	169.9	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°	4622.0	100.0
0°-180°	4622.0	100.0



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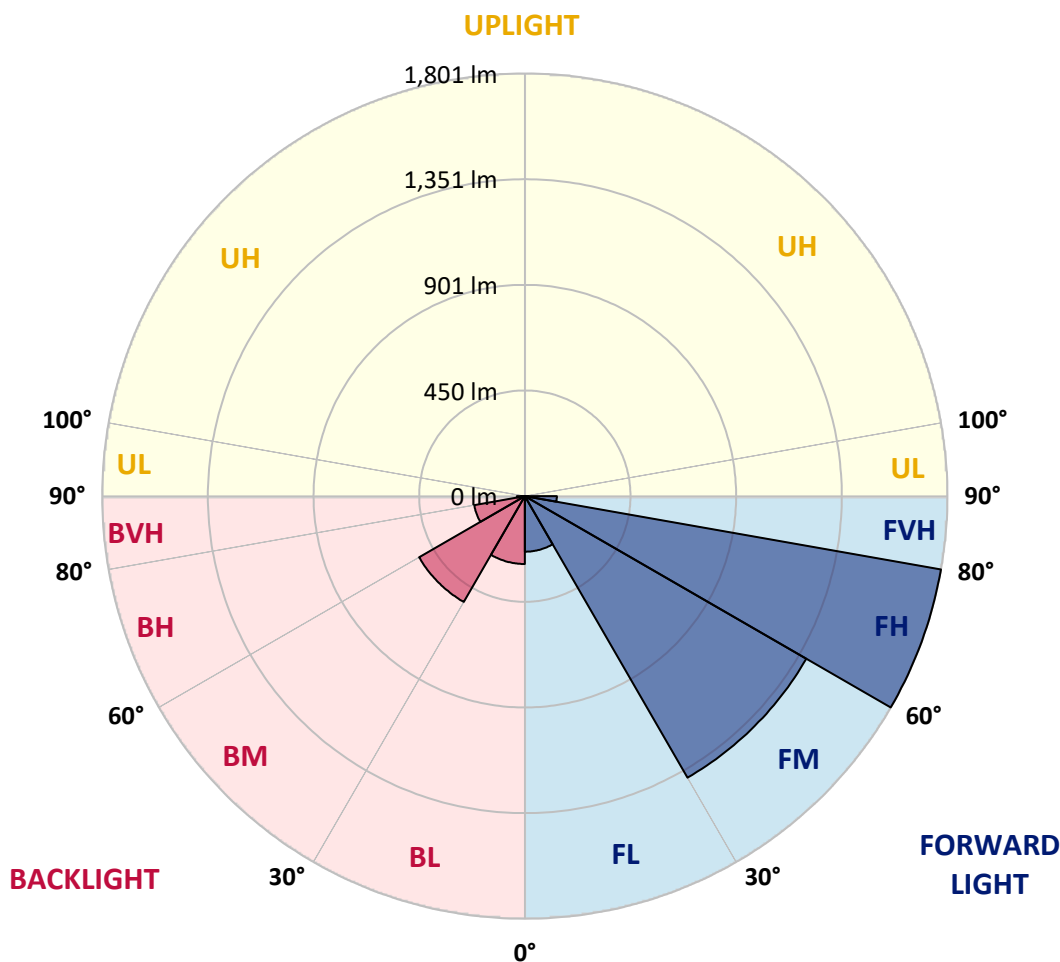
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	236.9	5.1			
FM (30°-60°)	1385.4	30.0			
FH (60°-80°)	1801.1	39.0			G2/5000
FVH (80°-90°)	136.4	3.0			G2/225
BL (0°-30°)	289.1	6.3	B1/500		
BM (30°-60°)	520.5	11.3	B1/1000		
BH (60°-80°)	219.0	4.7	B1/500		G1/500
BVH (80°-90°)	33.6	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°	633.2	633.2	633.2	633.2	633.2	633.2	633.2	633.2	633.2	633.2	633.2
2.5°	573.7	568.5	573.7	577.1	577.1	577.1	582.2	597.5	607.7	614.5	626.4
5°	514.1	515.8	519.2	527.7	532.8	536.2	544.7	563.4	578.8	600.9	626.4
7.5°	461.3	464.7	469.8	478.3	490.2	488.5	507.3	532.8	561.7	590.7	628.1
10°	434.1	440.9	442.6	444.3	456.2	456.2	481.7	510.7	546.4	583.9	628.1
12.5°	439.2	439.2	434.1	432.4	439.2	437.5	459.6	493.6	532.8	585.6	634.9
15°	454.5	454.5	444.3	434.1	444.3	440.9	459.6	486.8	532.8	587.3	648.6
17.5°	474.9	476.6	464.7	447.7	451.1	452.8	466.4	491.9	532.8	590.7	667.3
20°	515.8	507.3	488.5	461.3	473.2	468.1	488.5	510.7	543.0	604.3	694.5
22.5°	551.5	551.5	515.8	491.9	493.6	493.6	512.4	531.1	558.3	623.0	714.9
25°	609.4	606.0	561.7	526.0	529.4	531.1	541.3	563.4	583.9	633.2	740.5
27.5°	682.6	674.1	629.8	589.0	575.4	580.5	585.6	602.6	607.7	650.3	771.1
30°	760.9	749.0	711.5	646.9	640.0	641.7	633.2	643.4	636.6	677.5	801.8
32.5°	810.3	810.3	774.5	726.9	708.1	708.1	679.2	686.0	686.0	703.0	856.2
35°	852.8	849.4	825.6	789.8	777.9	771.1	742.2	752.4	735.4	752.4	932.8
37.5°	917.5	907.3	897.1	873.2	849.4	844.3	829.0	835.8	812.0	803.5	1019.6
40°	992.4	987.3	977.1	966.9	943.0	941.3	924.3	931.1	905.6	873.2	1106.5
42.5°	1103.1	1087.7	1055.4	1046.9	1052.0	1058.8	1052.0	1040.1	994.1	953.3	1200.1
45°	1213.7	1189.9	1128.6	1115.0	1154.1	1149.0	1178.0	1172.8	1097.9	1033.3	1298.8
47.5°	1285.2	1264.8	1215.4	1206.9	1223.9	1230.7	1317.5	1302.2	1183.1	1106.5	1394.1
50°	1336.3	1338.0	1273.3	1295.4	1317.5	1317.5	1426.5	1424.8	1286.9	1196.7	1518.4
52.5°	1411.2	1387.3	1360.1	1380.5	1411.2	1428.2	1562.7	1525.2	1351.6	1273.3	1658.0
55°	1450.3	1440.1	1416.3	1452.0	1516.7	1525.2	1668.2	1639.3	1424.8	1363.5	1801.0
57.5°	1465.6	1474.1	1513.3	1528.6	1618.8	1641.0	1763.5	1722.7	1492.9	1475.8	1911.6
60°	1533.7	1521.8	1574.6	1635.9	1722.7	1734.6	1882.7	1794.2	1559.3	1549.0	1947.4
62.5°	1671.6	1641.0	1669.9	1743.1	1864.0	1879.3	2008.6	1889.5	1588.2	1598.4	1945.7
65°	1872.5	1850.3	1807.8	1865.7	2035.9	2058.0	2156.7	1971.2	1579.7	1581.4	1807.8
67.5°	2109.1	2073.3	2029.1	2064.8	2272.5	2323.6	2337.2	2006.9	1520.1	1486.1	1470.7
70°	2316.7	2292.9	2264.0	2325.3	2614.6	2633.4	2561.9	1984.8	1355.0	1193.3	980.5
72.5°	2510.8	2498.9	2515.9	2745.7	3077.7	3089.6	2772.9	1845.2	1070.7	723.5	456.2
75°	2526.1	2514.2	2631.7	3093.0	3658.1	3680.2	2904.0	1446.9	565.1	294.5	192.4
77.5°	1710.8	1746.5	1966.1	2708.3	3360.2	3365.3	2374.6	672.4	233.2	173.6	134.5
80°	420.5	466.4	740.5	1400.9	2265.7	2321.9	1300.5	226.4	153.2	132.8	100.4
82.5°	153.2	166.8	301.3	633.2	1273.3	1295.4	454.5	122.6	110.6	102.1	73.2
85°	73.2	74.9	143.0	311.5	643.4	636.6	163.4	73.2	80.0	69.8	44.3
87.5°	30.6	30.6	63.0	144.7	284.3	275.8	52.8	34.0	46.0	40.9	22.1
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°	633.2	633.2	633.2	633.2	633.2	633.2	633.2	633.2	633.2	633.2	633.2
2.5°	634.9	638.3	652.0	662.2	672.4	680.9	694.5	694.5	703.0	703.0	703.0
5°	633.2	652.0	674.1	697.9	713.2	728.6	742.2	743.9	749.0	755.8	757.5
7.5°	640.0	658.8	694.5	728.6	747.3	754.1	771.1	766.0	766.0	766.0	771.1
10°	653.7	674.1	723.5	754.1	767.7	769.4	764.3	760.9	750.7	747.3	742.2
12.5°	663.9	699.6	749.0	772.8	767.7	762.6	750.7	733.7	721.7	718.3	718.3
15°	689.4	725.2	771.1	779.6	771.1	743.9	728.6	709.8	699.6	684.3	691.1
17.5°	711.5	752.4	793.2	783.0	766.0	723.5	701.3	674.1	660.5	643.4	643.4
20°	740.5	777.9	813.7	786.4	749.0	703.0	667.3	633.2	614.5	597.5	600.9
22.5°	772.8	806.9	825.6	772.8	723.5	670.7	621.3	589.0	565.1	554.9	558.3
25°	798.4	835.8	832.4	750.7	692.8	629.8	575.4	544.7	539.6	529.4	529.4
27.5°	830.7	869.8	827.3	723.5	641.7	565.1	531.1	519.2	519.2	514.1	517.5
30°	873.2	900.5	815.4	684.3	577.1	507.3	490.2	497.1	509.0	503.9	505.6
32.5°	943.0	939.6	805.2	640.0	509.0	451.1	463.0	476.6	486.8	491.9	495.4
35°	1011.1	989.0	793.2	580.5	446.0	423.9	434.1	449.4	468.1	473.2	474.9
37.5°	1079.2	1040.1	772.8	507.3	406.8	400.0	410.2	418.8	434.1	437.5	440.9
40°	1150.7	1074.1	737.1	435.8	374.5	374.5	381.3	383.0	391.5	396.6	400.0
42.5°	1213.7	1106.5	672.4	369.4	340.4	352.4	354.1	350.7	343.9	347.3	349.0
45°	1290.3	1142.2	597.5	321.7	314.9	330.2	333.6	320.0	308.1	301.3	297.9
47.5°	1365.2	1179.7	532.8	282.6	291.1	314.9	314.9	299.6	279.2	262.1	255.3
50°	1433.3	1217.1	480.0	258.7	267.3	303.0	306.4	277.5	255.3	234.9	231.5
52.5°	1547.3	1280.1	425.6	240.0	253.6	294.5	292.8	267.3	238.3	216.2	214.5
55°	1647.8	1343.1	354.1	221.3	240.0	282.6	287.7	257.0	217.9	197.5	194.1
57.5°	1721.0	1358.4	282.6	202.6	226.4	269.0	275.8	236.6	204.3	187.2	185.5
60°	1734.6	1298.8	229.8	187.2	207.7	250.2	255.3	224.7	194.1	180.4	177.0
62.5°	1671.6	1184.8	195.8	173.6	192.4	231.5	241.7	211.1	183.8	171.9	170.2
65°	1528.6	1017.9	171.9	161.7	182.1	217.9	229.8	200.9	175.3	165.1	163.4
67.5°	1210.3	781.3	153.2	153.2	168.5	204.3	221.3	194.1	166.8	160.0	158.3
70°	791.5	469.8	139.6	141.3	158.3	192.4	211.1	185.5	156.6	154.9	151.5
72.5°	340.4	216.2	124.3	129.4	143.0	171.9	195.8	173.6	144.7	139.6	134.5
75°	156.6	131.1	112.3	115.8	127.7	151.5	177.0	160.0	134.5	126.0	120.9
77.5°	110.6	95.3	93.6	100.4	108.9	131.1	156.6	149.8	124.3	117.5	114.1
80°	81.7	73.2	78.3	85.1	90.2	120.9	148.1	137.9	114.1	103.8	98.7
82.5°	57.9	54.5	61.3	68.1	73.2	105.5	136.2	120.9	95.3	86.8	78.3
85°	34.0	35.7	42.6	46.0	51.1	78.3	114.1	97.0	73.2	56.2	54.5
87.5°	15.3	15.3	20.4	22.1	25.5	46.0	76.6	61.3	46.0	35.7	34.0
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)