

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: P670639

Luminaire Tested: **CCP-SA-1C-727-U-T2**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P670639
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-727-U-T2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T2
distribution lens
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3771.7 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

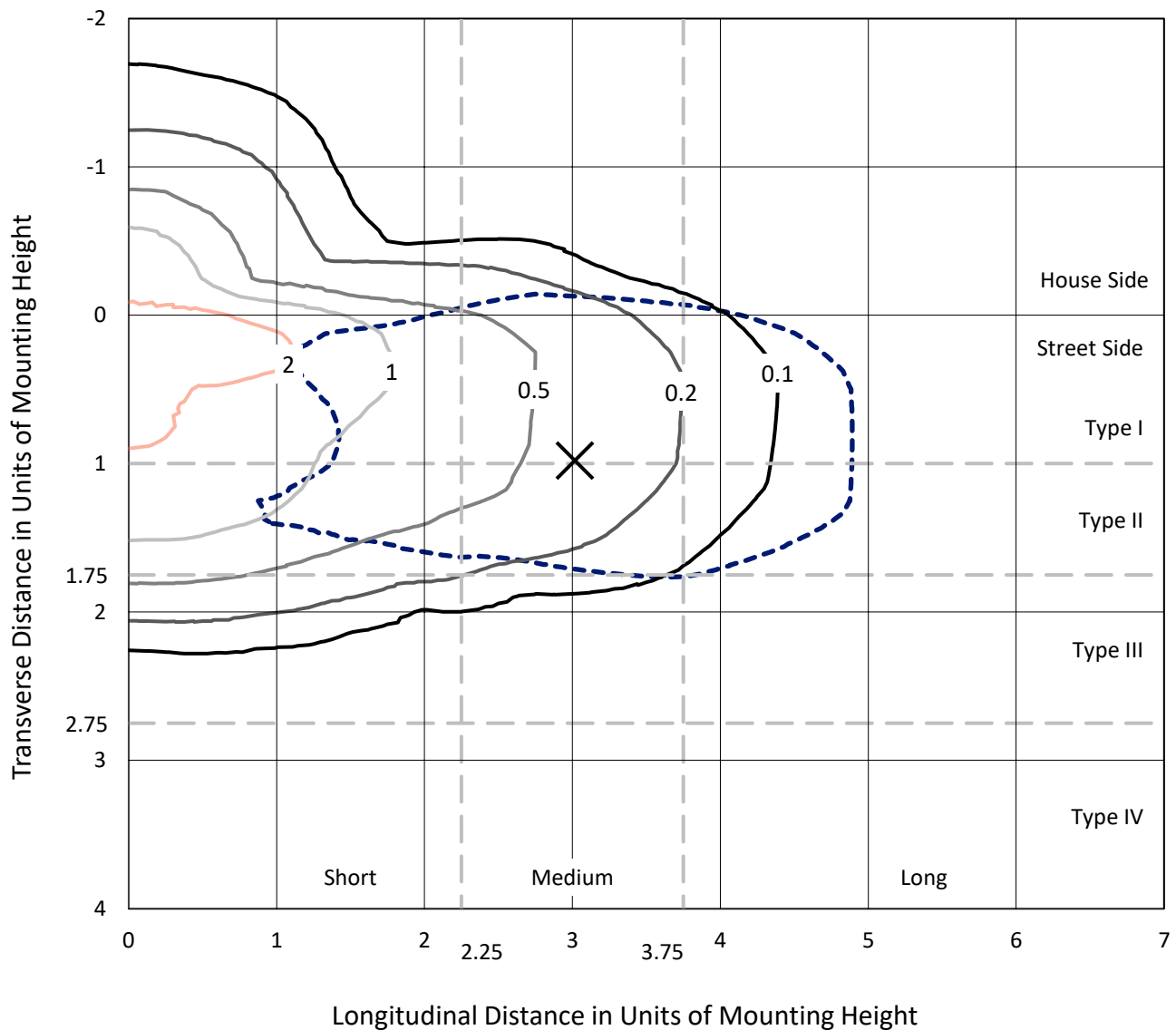
Input Watts (W): 32
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

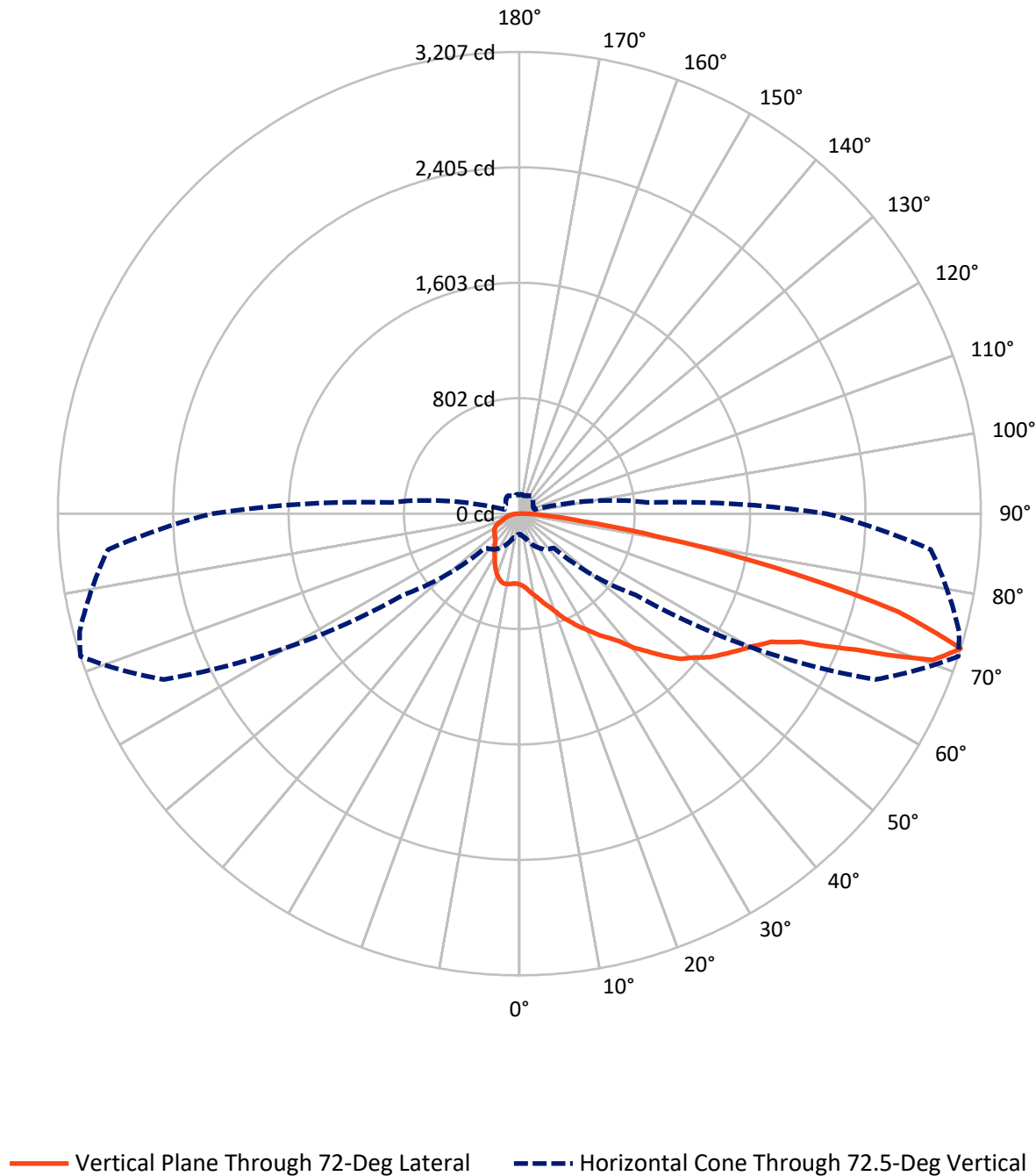
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.7 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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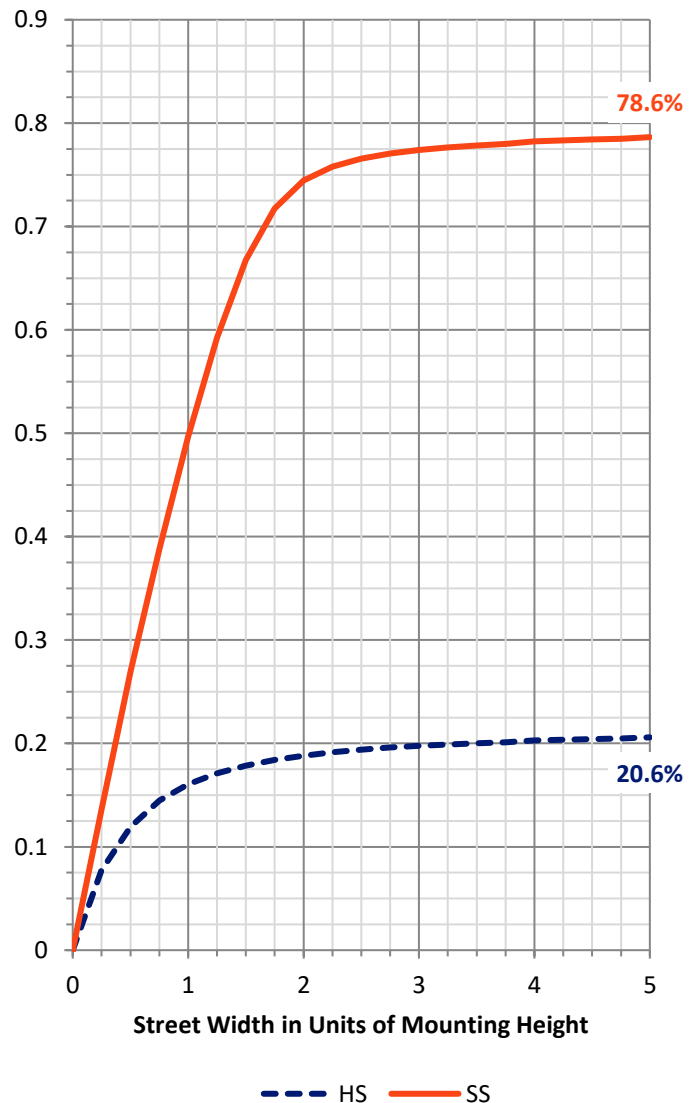
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	793.8	0.0	793.8
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	2977.9	0.0	2977.9
	% Fixture	79.0	0.0	79.0
Total	Lumens	3771.7	0.0	3771.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.7	1.3
10°-20°	151.4	4.0
20°-30°	261.9	6.9
30°-40°	386.9	10.3
40°-50°	575.3	15.3
50°-60°	788.7	20.9
60°-70°	855.5	22.7
70°-80°	603.1	16.0
80°-90°	100.2	2.7
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°	3771.7	100.0
0°-180°	3771.7	100.0

Coefficient of Utilization



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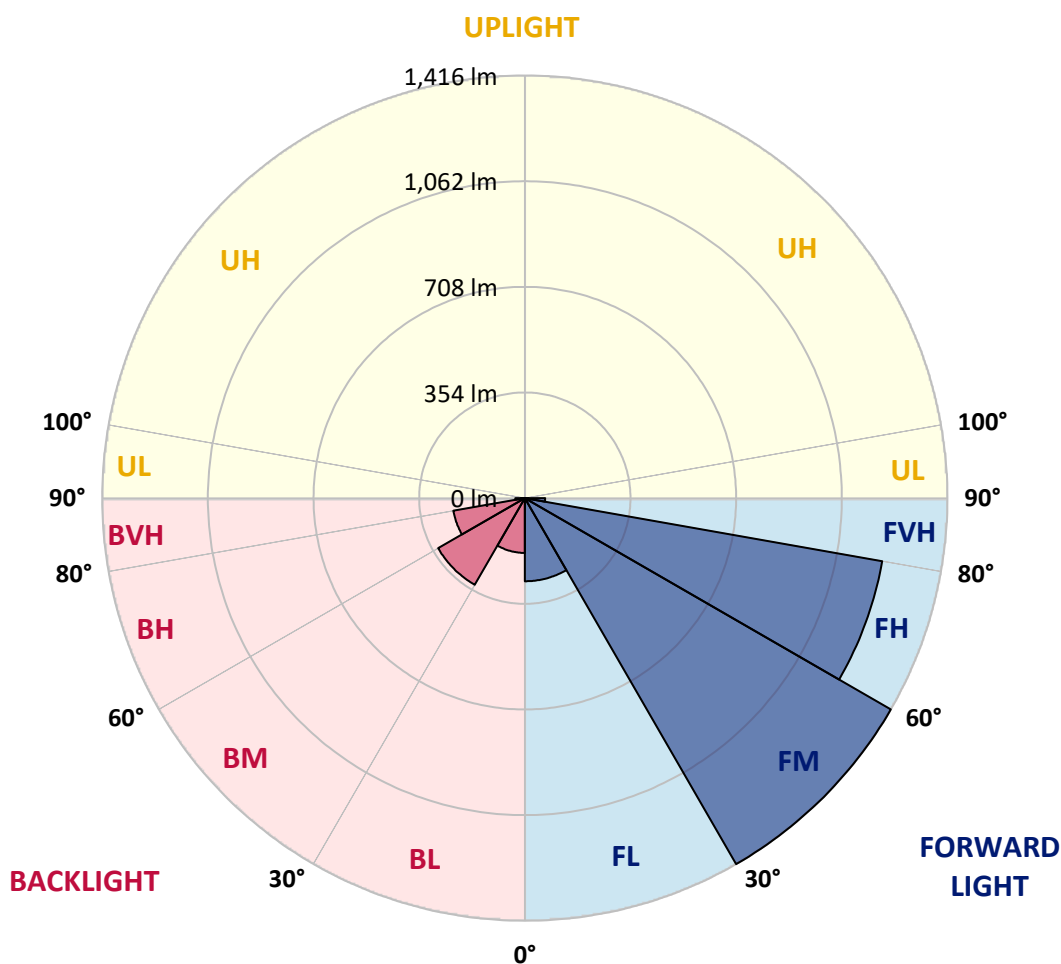
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	278.5	7.4			
FM	(30°-60°)	1415.6	37.5			
FH	(60°-80°)	1215.5	32.2			G1/1800
FVH	(80°-90°)	68.3	1.8			G1/100
BL	(0°-30°)	183.5	4.9	B1/500		
BM	(30°-60°)	335.3	8.9	B1/1000		
BH	(60°-80°)	243.1	6.4	B1/500		G1/500
BVH	(80°-90°)	31.9	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	492.7	492.7	492.7	492.7	492.7	492.7	492.7	492.7	492.7	492.7	492.7
2.5°	531.7	531.7	527.5	526.1	526.1	515.0	516.3	509.4	503.8	503.8	498.3
5°	559.5	556.7	556.7	556.7	549.8	545.6	544.2	531.7	521.9	523.3	506.6
7.5°	566.5	567.8	569.2	576.2	572.0	574.8	572.0	558.1	551.1	544.2	528.9
10°	570.6	573.4	573.4	583.2	583.2	590.1	594.3	588.7	576.2	569.2	544.2
12.5°	580.4	576.2	581.8	588.7	595.7	608.2	620.7	615.2	606.8	598.5	570.6
15°	580.4	581.8	585.9	597.1	608.2	620.7	643.0	651.4	647.2	631.9	602.6
17.5°	563.7	559.5	579.0	599.9	620.7	636.0	665.3	684.8	682.0	676.4	631.9
20°	565.1	569.2	576.2	594.3	627.7	655.5	691.7	723.7	730.7	727.9	670.8
22.5°	590.1	591.5	598.5	606.8	633.3	669.4	723.7	775.2	787.7	780.8	714.0
25°	615.2	626.3	626.3	631.9	641.6	679.2	744.6	817.0	835.1	836.5	758.5
27.5°	655.5	658.3	666.7	669.4	677.8	700.1	768.3	847.6	889.3	883.8	798.9
30°	702.8	704.2	709.8	707.0	708.4	736.2	790.5	882.4	939.4	940.8	842.0
32.5°	758.5	769.7	772.4	754.3	757.1	764.1	825.3	924.1	1002.1	992.3	879.6
35°	840.6	844.8	836.5	828.1	807.2	803.1	861.5	965.9	1056.4	1067.5	935.3
37.5°	942.2	953.4	942.2	897.7	875.4	858.7	906.0	1011.8	1121.8	1159.3	990.9
40°	1036.9	1035.5	1024.3	984.0	945.0	932.5	970.1	1075.8	1223.4	1259.6	1071.7
42.5°	1113.4	1109.2	1102.3	1071.7	1035.5	1014.6	1043.8	1142.6	1308.3	1377.9	1164.9
45°	1180.2	1174.7	1176.1	1141.3	1106.5	1117.6	1117.6	1219.2	1408.5	1494.8	1272.1
47.5°	1242.9	1245.6	1241.5	1215.0	1188.6	1217.8	1202.5	1306.9	1507.3	1603.3	1362.5
50°	1315.2	1320.8	1306.9	1290.2	1266.5	1295.7	1276.3	1389.0	1571.3	1702.1	1471.1
52.5°	1383.4	1389.0	1401.5	1380.6	1357.0	1380.6	1336.1	1465.5	1656.2	1798.2	1554.6
55°	1400.1	1397.3	1466.9	1489.2	1501.7	1430.7	1389.0	1531.0	1723.0	1859.4	1649.3
57.5°	1323.6	1330.5	1425.2	1489.2	1622.8	1561.6	1448.8	1607.5	1792.6	1940.1	1736.9
60°	1132.9	1137.1	1255.4	1407.1	1601.9	1684.0	1610.3	1706.3	1869.2	2008.3	1835.8
62.5°	757.1	789.1	936.7	1174.7	1454.4	1717.5	1867.8	1873.3	1962.4	2094.6	1970.8
65°	399.4	414.7	530.3	722.3	1102.3	1601.9	2109.9	2204.6	2148.9	2253.3	2165.6
67.5°	261.7	267.2	329.9	438.4	636.0	1169.1	2137.8	2779.4	2523.3	2555.3	2477.4
70°	194.8	197.6	243.6	324.3	393.9	624.9	1752.2	3048.0	3046.6	2961.7	2847.6
72.5°	143.4	147.5	179.5	247.7	303.4	336.8	985.4	2726.5	3206.7	3163.5	2869.8
75°	112.7	115.5	132.2	192.1	245.0	221.3	499.6	2019.5	2719.5	2926.9	2626.3
77.5°	91.9	94.6	104.4	139.2	196.2	171.2	239.4	1302.7	1844.1	2107.1	2009.7
80°	76.5	76.5	83.5	98.8	151.7	129.4	142.0	732.1	993.7	1096.7	911.6
82.5°	65.4	64.0	69.6	72.4	112.7	93.2	91.9	331.2	437.0	463.5	342.4
85°	41.8	43.1	65.4	62.6	73.8	64.0	51.5	157.3	206.0	210.2	128.0
87.5°	16.7	16.7	27.8	34.8	41.8	39.0	25.1	71.0	90.5	90.5	36.2
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°	492.7	492.7	492.7	492.7	492.7	492.7	492.7	492.7	492.7	492.7	492.7
2.5°	496.9	491.3	487.1	484.3	477.4	470.4	471.8	470.4	464.9	462.1	462.1
5°	502.4	496.9	489.9	478.8	471.8	463.5	466.2	460.7	455.1	459.3	452.3
7.5°	516.3	506.6	496.9	480.2	469.0	456.5	450.9	448.2	444.0	441.2	441.2
10°	535.8	521.9	503.8	478.8	460.7	441.2	438.4	432.8	428.7	428.7	427.3
12.5°	555.3	540.0	509.4	469.0	438.4	424.5	423.1	424.5	427.3	428.7	430.1
15°	580.4	555.3	508.0	450.9	420.3	414.7	421.7	427.3	432.8	438.4	437.0
17.5°	604.0	574.8	495.5	428.7	405.0	406.4	418.9	430.1	441.2	446.8	448.2
20°	636.0	592.9	477.4	402.2	389.7	402.2	418.9	432.8	445.4	452.3	453.7
22.5°	672.2	613.8	453.7	378.6	377.2	389.7	406.4	427.3	441.2	453.7	452.3
25°	704.2	627.7	423.1	359.1	361.9	370.2	389.7	412.0	425.9	439.8	435.6
27.5°	725.1	630.5	391.1	345.2	345.2	353.5	371.6	385.5	398.0	409.2	410.6
30°	748.8	624.9	354.9	327.1	327.1	338.2	345.2	353.5	360.5	363.3	366.0
32.5°	776.6	612.4	332.6	313.1	313.1	321.5	325.7	322.9	321.5	314.5	318.7
35°	803.1	594.3	307.6	295.1	300.6	304.8	303.4	295.1	286.7	274.2	270.0
37.5°	835.1	576.2	285.3	275.6	285.3	286.7	286.7	277.0	265.8	250.5	250.5
40°	883.8	562.3	267.2	263.0	272.8	271.4	264.4	257.5	261.7	253.3	253.3
42.5°	935.3	556.7	250.5	251.9	256.1	257.5	250.5	242.2	258.9	249.1	250.5
45°	999.3	560.9	239.4	238.0	247.7	246.3	242.2	235.2	240.8	215.7	208.8
47.5°	1059.1	569.2	233.8	228.3	239.4	242.2	236.6	221.3	212.9	197.6	194.8
50°	1113.4	587.3	228.3	217.1	228.3	233.8	224.1	207.4	197.6	187.9	187.9
52.5°	1164.9	613.8	225.5	204.6	214.3	221.3	215.7	199.0	187.9	183.7	179.5
55°	1217.8	637.4	221.3	196.2	199.0	212.9	211.5	189.3	178.1	178.1	176.8
57.5°	1293.0	669.4	215.7	182.3	187.9	203.2	203.2	185.1	172.6	174.0	175.4
60°	1369.5	707.0	210.2	168.4	172.6	193.5	196.2	179.5	168.4	169.8	168.4
62.5°	1492.0	776.6	199.0	151.7	160.1	180.9	187.9	172.6	162.8	165.6	165.6
65°	1677.1	896.3	175.4	137.8	147.5	169.8	179.5	165.6	154.5	162.8	160.1
67.5°	1974.9	1060.5	147.5	126.7	139.2	158.7	169.8	157.3	147.5	160.1	155.9
70°	2242.2	1141.3	126.7	116.9	126.7	146.1	158.7	148.9	139.2	151.7	146.1
72.5°	2133.6	894.9	110.0	105.8	115.5	132.2	147.5	137.8	128.0	135.0	129.4
75°	1841.3	712.6	96.0	94.6	103.0	119.7	135.0	128.0	118.3	121.1	118.3
77.5°	1396.0	588.7	82.1	80.7	87.7	107.2	121.1	115.5	105.8	104.4	104.4
80°	623.5	289.5	68.2	68.2	72.4	91.9	103.0	100.2	90.5	89.1	87.7
82.5°	204.6	110.0	55.7	52.9	58.5	76.5	91.9	89.1	79.3	76.5	73.8
85°	82.1	52.9	40.4	40.4	45.9	64.0	82.1	76.5	64.0	57.1	57.1
87.5°	27.8	22.3	20.9	20.9	29.2	43.1	61.2	51.5	45.9	40.4	41.8
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)