

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: P670649

Luminaire Tested: **CCP-SA-1B-730-U-T2**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P670649
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-730-U-T2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T2
distribution lens
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3137 lumens
Efficiency: N/A
Efficacy: 130.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

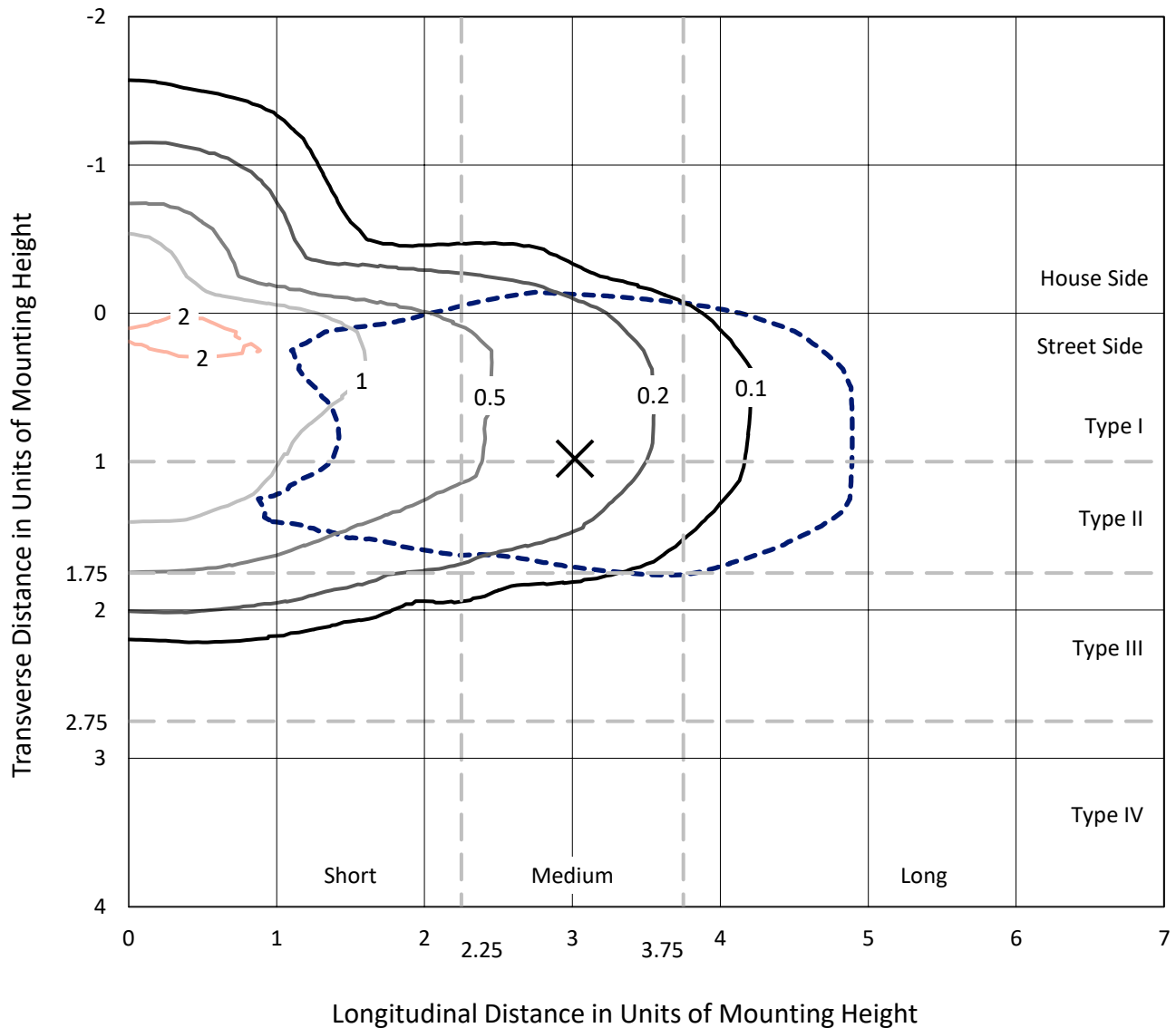
Input Watts (W): 24
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

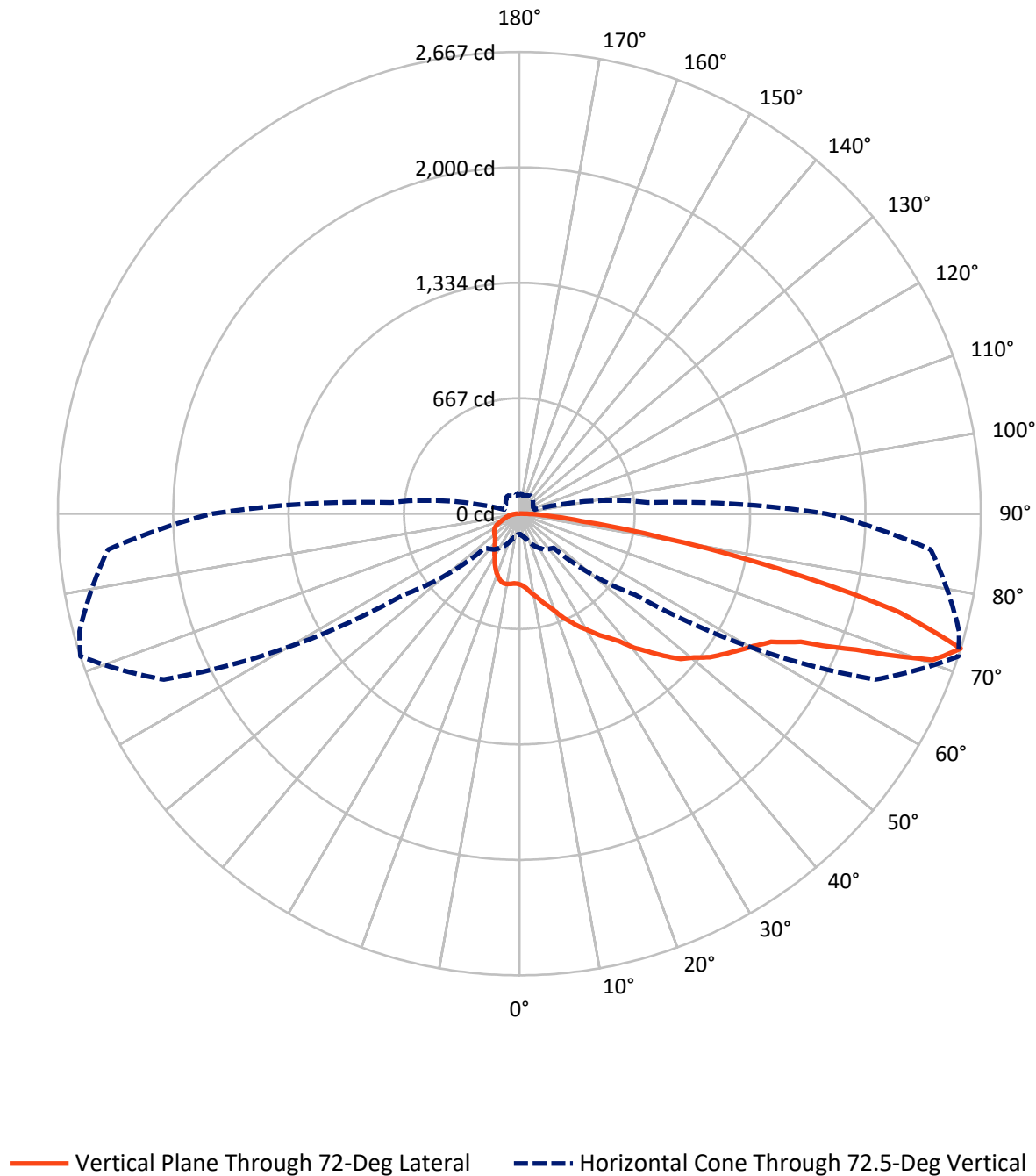
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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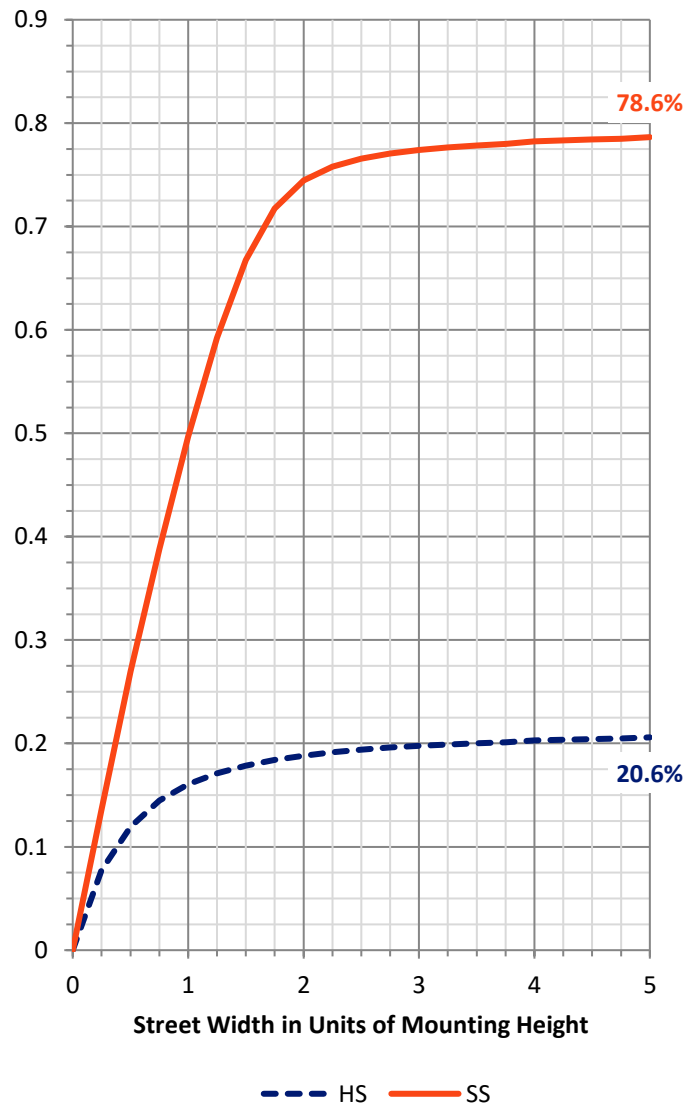
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	660.2	0.0	660.2
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	2476.8	0.0	2476.8
	% Fixture	79.0	0.0	79.0
Total	Lumens	3137.0	0.0	3137.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.5	1.3
10°-20°	125.9	4.0
20°-30°	217.8	6.9
30°-40°	321.8	10.3
40°-50°	478.5	15.3
50°-60°	656.0	20.9
60°-70°	711.5	22.7
70°-80°	501.7	16.0
80°-90°	83.4	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°	3137.0	100.0
0°-180°	3137.0	100.0

Coefficient of Utilization



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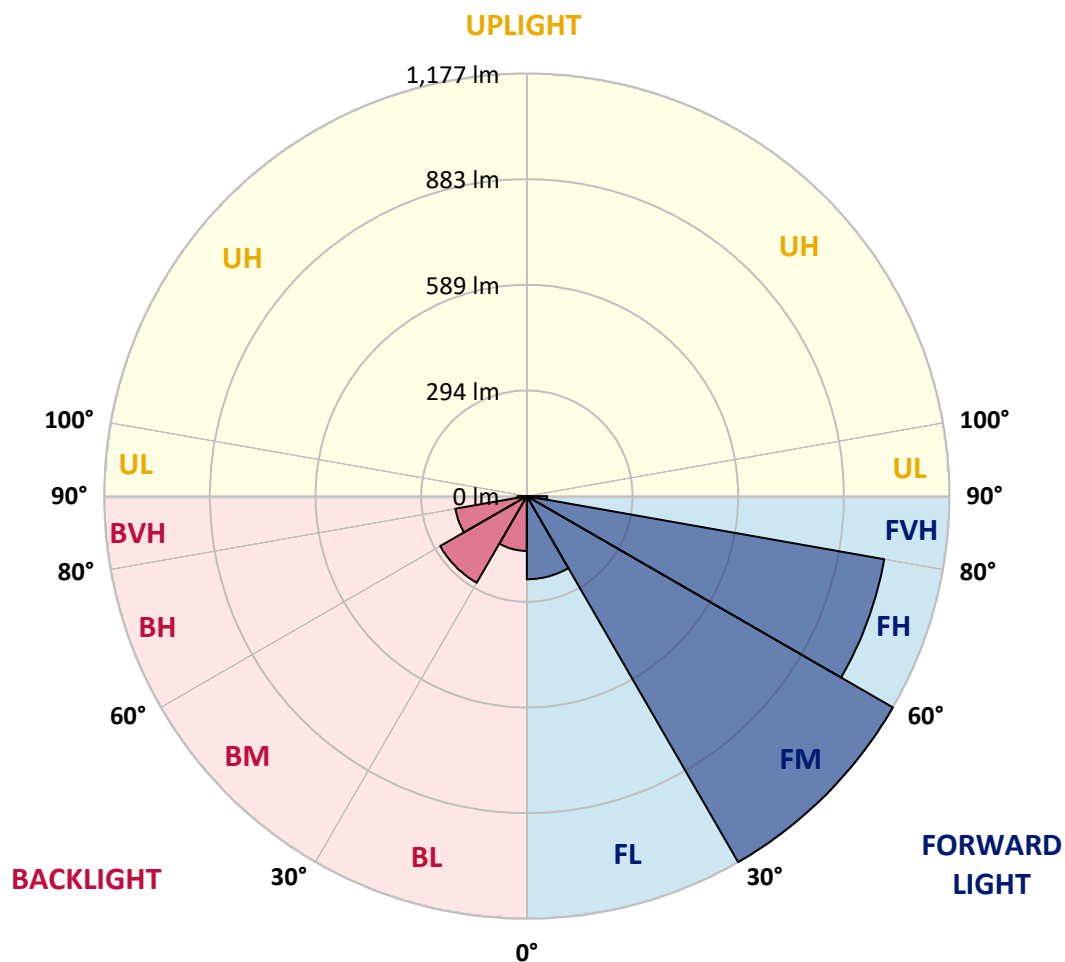
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	231.6	7.4			
FM	(30°-60°)	1177.4	37.5			
FH	(60°-80°)	1011.0	32.2			G1/1800
FVH	(80°-90°)	56.8	1.8			G1/100
BL	(0°-30°)	152.6	4.9	B1/500		
BM	(30°-60°)	278.9	8.9	B1/1000		
BH	(60°-80°)	202.2	6.4	B1/500		G1/500
BVH	(80°-90°)	26.5	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°	409.8	409.8	409.8	409.8	409.8	409.8	409.8	409.8	409.8	409.8	409.8
2.5°	442.2	442.2	438.7	437.6	437.6	428.3	429.5	423.7	419.0	419.0	414.4
5°	465.3	463.0	463.0	463.0	457.2	453.8	452.6	442.2	434.1	435.2	421.4
7.5°	471.1	472.3	473.4	479.2	475.8	478.1	475.8	464.2	458.4	452.6	439.9
10°	474.6	476.9	476.9	485.0	485.0	490.8	494.3	489.7	479.2	473.4	452.6
12.5°	482.7	479.2	483.9	489.7	495.4	505.9	516.3	511.6	504.7	497.8	474.6
15°	482.7	483.9	487.3	496.6	505.9	516.3	534.8	541.7	538.3	525.5	501.2
17.5°	468.8	465.3	481.5	498.9	516.3	529.0	553.3	569.5	567.2	562.6	525.5
20°	470.0	473.4	479.2	494.3	522.1	545.2	575.3	601.9	607.7	605.4	557.9
22.5°	490.8	492.0	497.8	504.7	526.7	556.8	601.9	644.8	655.2	649.4	593.8
25°	511.6	520.9	520.9	525.5	533.6	564.9	619.3	679.5	694.5	695.7	630.9
27.5°	545.2	547.5	554.5	556.8	563.7	582.3	639.0	705.0	739.7	735.1	664.4
30°	584.6	585.7	590.4	588.0	589.2	612.4	657.5	733.9	781.4	782.5	700.3
32.5°	630.9	640.1	642.5	627.4	629.7	635.5	686.4	768.6	833.5	825.3	731.6
35°	699.2	702.6	695.7	688.8	671.4	667.9	716.5	803.4	878.6	887.9	777.9
37.5°	783.7	792.9	783.7	746.6	728.1	714.2	753.6	841.6	933.0	964.3	824.2
40°	862.4	861.2	852.0	818.4	786.0	775.6	806.8	894.8	1017.5	1047.6	891.3
42.5°	926.1	922.6	916.8	891.3	861.2	843.9	868.2	950.4	1088.1	1146.0	968.9
45°	981.6	977.0	978.1	949.2	920.3	929.5	929.5	1014.0	1171.5	1243.2	1058.0
47.5°	1033.7	1036.0	1032.6	1010.6	988.6	1012.9	1000.1	1087.0	1253.6	1333.5	1133.3
50°	1093.9	1098.5	1087.0	1073.1	1053.4	1077.7	1061.5	1155.3	1306.9	1415.7	1223.6
52.5°	1150.6	1155.3	1165.7	1148.3	1128.6	1148.3	1111.3	1218.9	1377.5	1495.6	1293.0
55°	1164.5	1162.2	1220.1	1238.6	1249.0	1190.0	1155.3	1273.3	1433.1	1546.5	1371.7
57.5°	1100.8	1106.6	1185.4	1238.6	1349.7	1298.8	1205.0	1337.0	1491.0	1613.7	1444.6
60°	942.3	945.7	1044.1	1170.3	1332.4	1400.7	1339.3	1419.2	1554.6	1670.4	1526.8
62.5°	629.7	656.3	779.0	977.0	1209.7	1428.4	1553.5	1558.1	1632.2	1742.1	1639.1
65°	332.2	345.0	441.0	600.8	916.8	1332.4	1754.9	1833.6	1787.3	1874.1	1801.2
67.5°	217.6	222.3	274.3	364.6	529.0	972.4	1778.0	2311.7	2098.7	2125.3	2060.5
70°	162.1	164.4	202.6	269.7	327.6	519.7	1457.4	2535.1	2533.9	2463.3	2368.4
72.5°	119.2	122.7	149.3	206.0	252.4	280.1	819.6	2267.7	2667.0	2631.2	2386.9
75°	93.8	96.1	110.0	159.7	203.7	184.1	415.6	1679.6	2261.9	2434.4	2184.3
77.5°	76.4	78.7	86.8	115.8	163.2	142.4	199.1	1083.5	1533.8	1752.6	1671.5
80°	63.7	63.7	69.5	82.2	126.2	107.7	118.1	608.9	826.5	912.2	758.2
82.5°	54.4	53.2	57.9	60.2	93.8	77.6	76.4	275.5	363.5	385.5	284.8
85°	34.7	35.9	54.4	52.1	61.4	53.2	42.8	130.8	171.3	174.8	106.5
87.5°	13.9	13.9	23.2	28.9	34.7	32.4	20.8	59.0	75.2	75.2	30.1
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°	409.8	409.8	409.8	409.8	409.8	409.8	409.8	409.8	409.8	409.8	409.8
2.5°	413.3	408.6	405.1	402.8	397.0	391.3	392.4	391.3	386.6	384.3	384.3
5°	417.9	413.3	407.5	398.2	392.4	385.5	387.8	383.2	378.5	382.0	376.2
7.5°	429.5	421.4	413.3	399.4	390.1	379.7	375.1	372.7	369.3	366.9	366.9
10°	445.7	434.1	419.0	398.2	383.2	366.9	364.6	360.0	356.5	356.5	355.4
12.5°	461.9	449.1	423.7	390.1	364.6	353.1	351.9	353.1	355.4	356.5	357.7
15°	482.7	461.9	422.5	375.1	349.6	345.0	350.7	355.4	360.0	364.6	363.5
17.5°	502.4	478.1	412.1	356.5	336.9	338.0	348.4	357.7	366.9	371.6	372.7
20°	529.0	493.1	397.0	334.5	324.1	334.5	348.4	360.0	370.4	376.2	377.4
22.5°	559.1	510.5	377.4	314.9	313.7	324.1	338.0	355.4	366.9	377.4	376.2
25°	585.7	522.1	351.9	298.7	301.0	307.9	324.1	342.6	354.2	365.8	362.3
27.5°	603.1	524.4	325.3	287.1	287.1	294.0	309.1	320.6	331.1	340.3	341.5
30°	622.8	519.7	295.2	272.0	272.0	281.3	287.1	294.0	299.8	302.1	304.4
32.5°	645.9	509.3	276.7	260.5	260.5	267.4	270.9	268.6	267.4	261.6	265.1
35°	667.9	494.3	255.8	245.4	250.0	253.5	252.4	245.4	238.5	228.0	224.6
37.5°	694.5	479.2	237.3	229.2	237.3	238.5	238.5	230.4	221.1	208.4	208.4
40°	735.1	467.7	222.3	218.8	226.9	225.7	219.9	214.2	217.6	210.7	210.7
42.5°	777.9	463.0	208.4	209.5	213.0	214.2	208.4	201.4	215.3	207.2	208.4
45°	831.1	466.5	199.1	197.9	206.0	204.9	201.4	195.6	200.3	179.4	173.6
47.5°	880.9	473.4	194.5	189.8	199.1	201.4	196.8	184.1	177.1	164.4	162.1
50°	926.1	488.5	189.8	180.6	189.8	194.5	186.4	172.5	164.4	156.3	156.3
52.5°	968.9	510.5	187.5	170.2	178.3	184.1	179.4	165.5	156.3	152.8	149.3
55°	1012.9	530.2	184.1	163.2	165.5	177.1	176.0	157.4	148.2	148.2	147.0
57.5°	1075.4	556.8	179.4	151.6	156.3	169.0	169.0	154.0	143.5	144.7	145.9
60°	1139.0	588.0	174.8	140.1	143.5	160.9	163.2	149.3	140.1	141.2	140.1
62.5°	1240.9	645.9	165.5	126.2	133.1	150.5	156.3	143.5	135.4	137.8	137.8
65°	1394.9	745.5	145.9	114.6	122.7	141.2	149.3	137.8	128.5	135.4	133.1
67.5°	1642.6	882.1	122.7	105.3	115.8	132.0	141.2	130.8	122.7	133.1	129.6
70°	1864.8	949.2	105.3	97.2	105.3	121.5	132.0	123.9	115.8	126.2	121.5
72.5°	1774.6	744.3	91.4	88.0	96.1	110.0	122.7	114.6	106.5	112.3	107.7
75°	1531.5	592.7	79.9	78.7	85.7	99.6	112.3	106.5	98.4	100.7	98.4
77.5°	1161.0	489.7	68.3	67.1	72.9	89.1	100.7	96.1	88.0	86.8	86.8
80°	518.6	240.8	56.7	56.7	60.2	76.4	85.7	83.3	75.2	74.1	72.9
82.5°	170.2	91.4	46.3	44.0	48.6	63.7	76.4	74.1	66.0	63.7	61.4
85°	68.3	44.0	33.6	33.6	38.2	53.2	68.3	63.7	53.2	47.5	47.5
87.5°	23.2	18.5	17.4	17.4	24.3	35.9	50.9	42.8	38.2	33.6	34.7
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)