

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: P672234

Luminaire Tested: **CCP-SA-1C-730-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672234
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-730-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T3R distribution lens
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

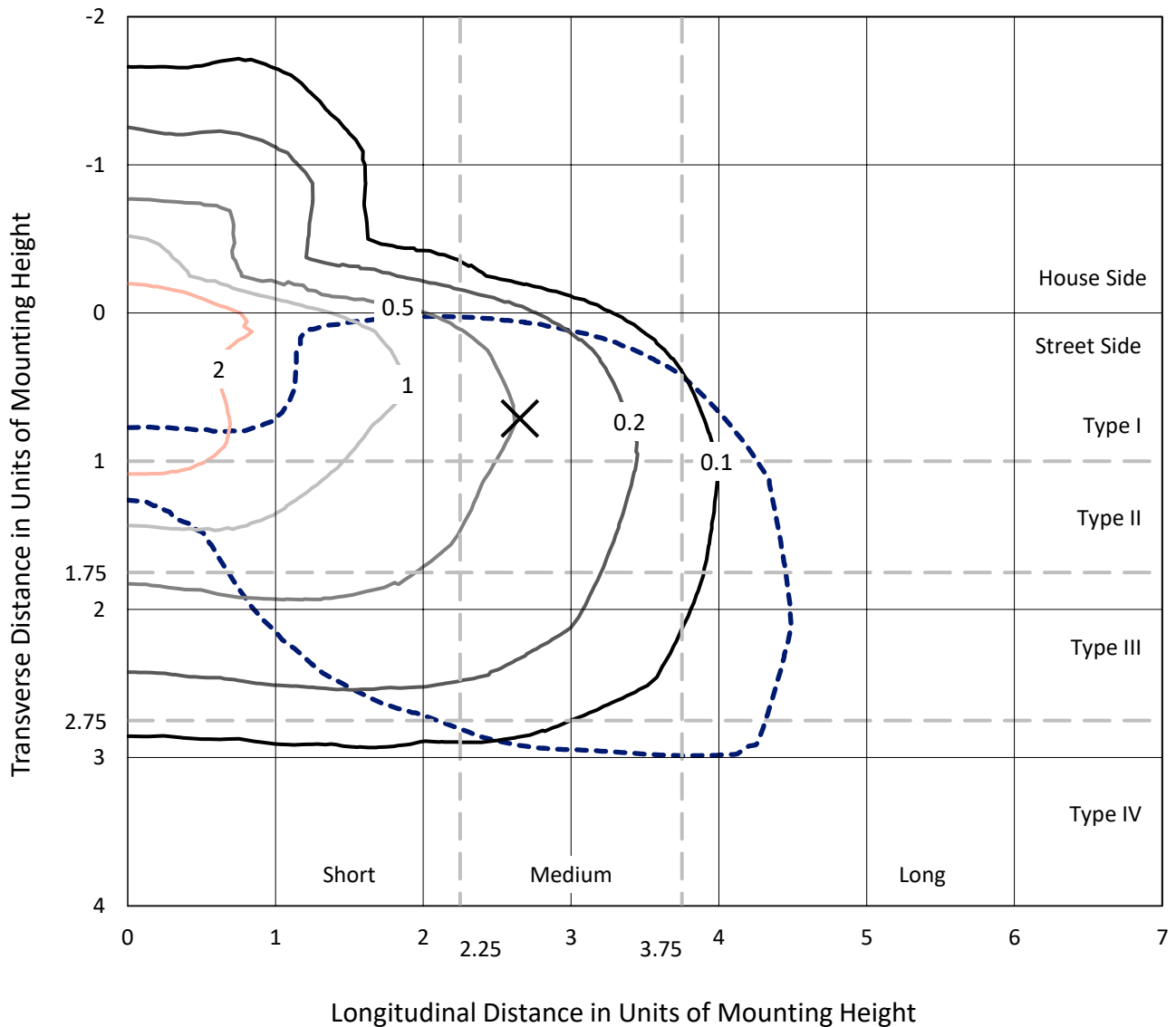
Lumens per Lamp: N/A
Luminaire Lumens: 4184.5 lumens
Efficiency: N/A
Efficacy: 130.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G1

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

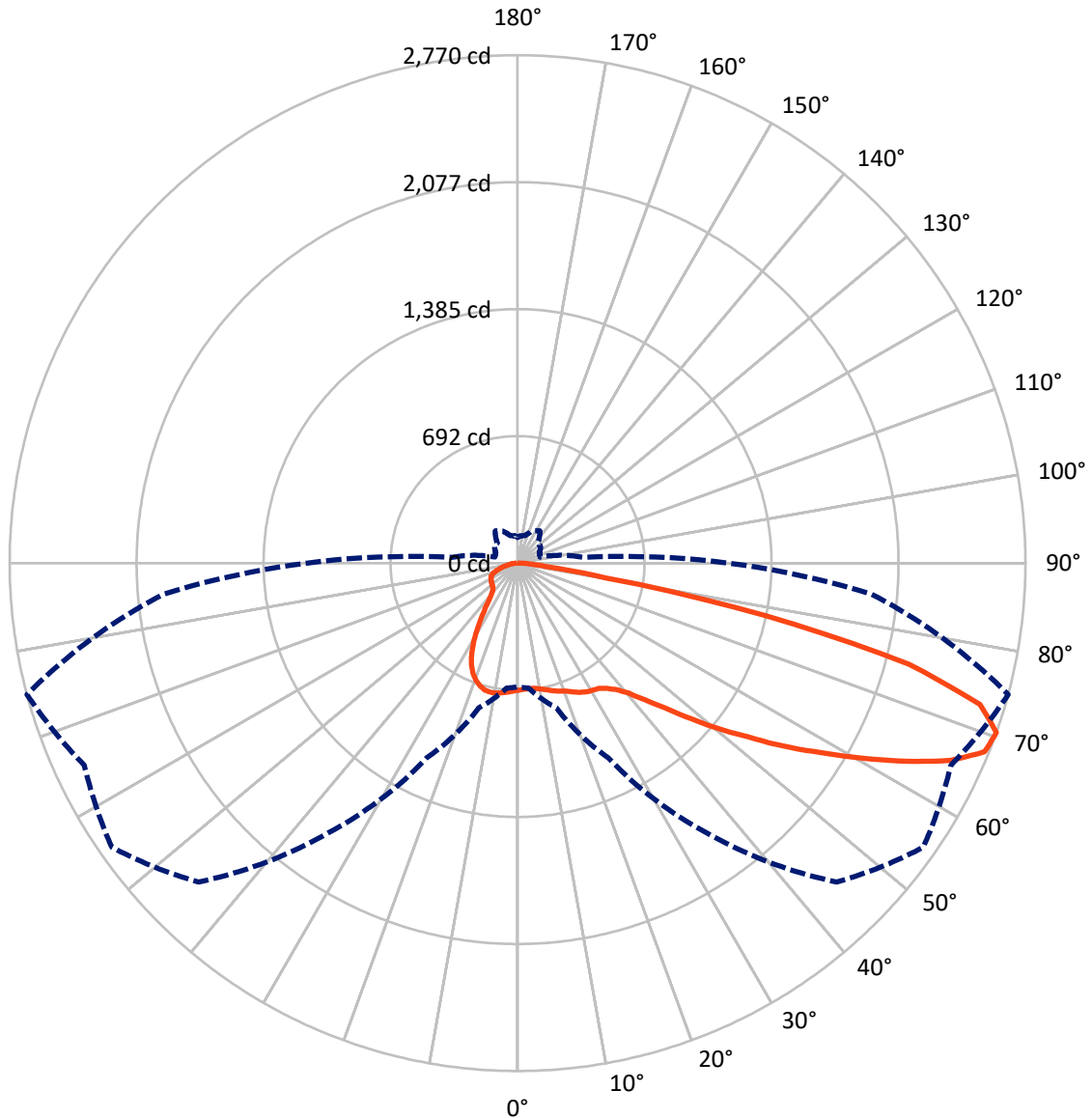
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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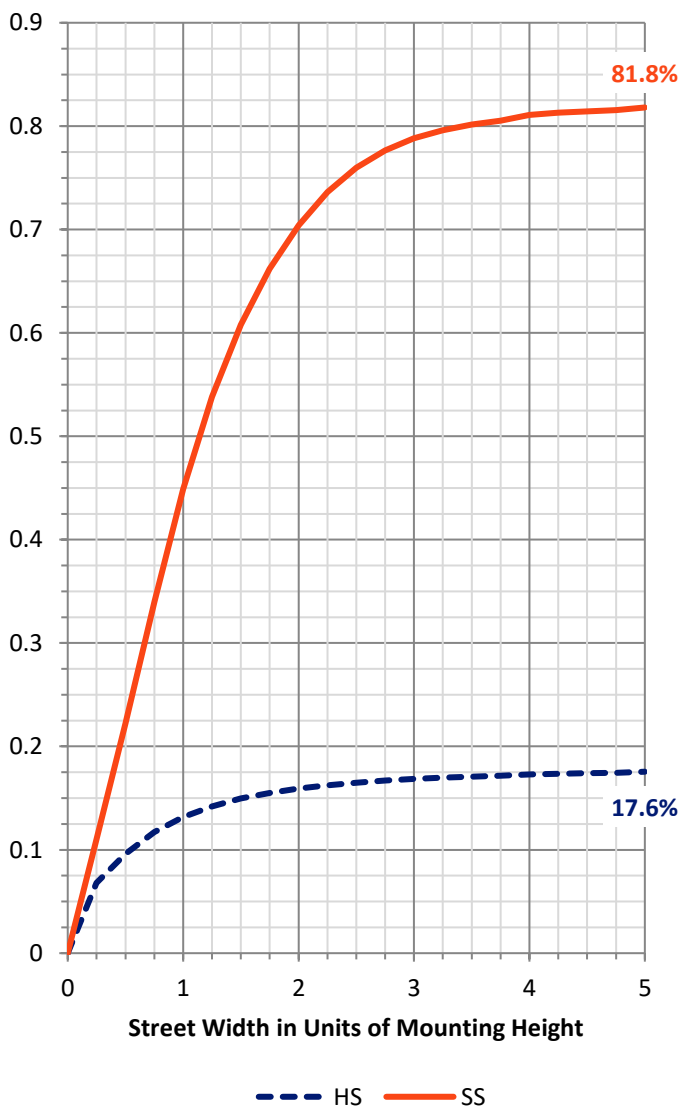
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	744.5	0.0	744.5
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	3440.0	0.0	3440.0
	% Fixture	82.2	0.0	82.2
Total	Lumens	4184.5	0.0	4184.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.3	1.5
10°-20°	166.2	4.0
20°-30°	280.0	6.7
30°-40°	425.2	10.2
40°-50°	609.2	14.6
50°-60°	807.7	19.3
60°-70°	1010.8	24.2
70°-80°	738.1	17.6
80°-90°	85.1	2.0
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°	4184.5	100.0
0°-180°	4184.5	100.0



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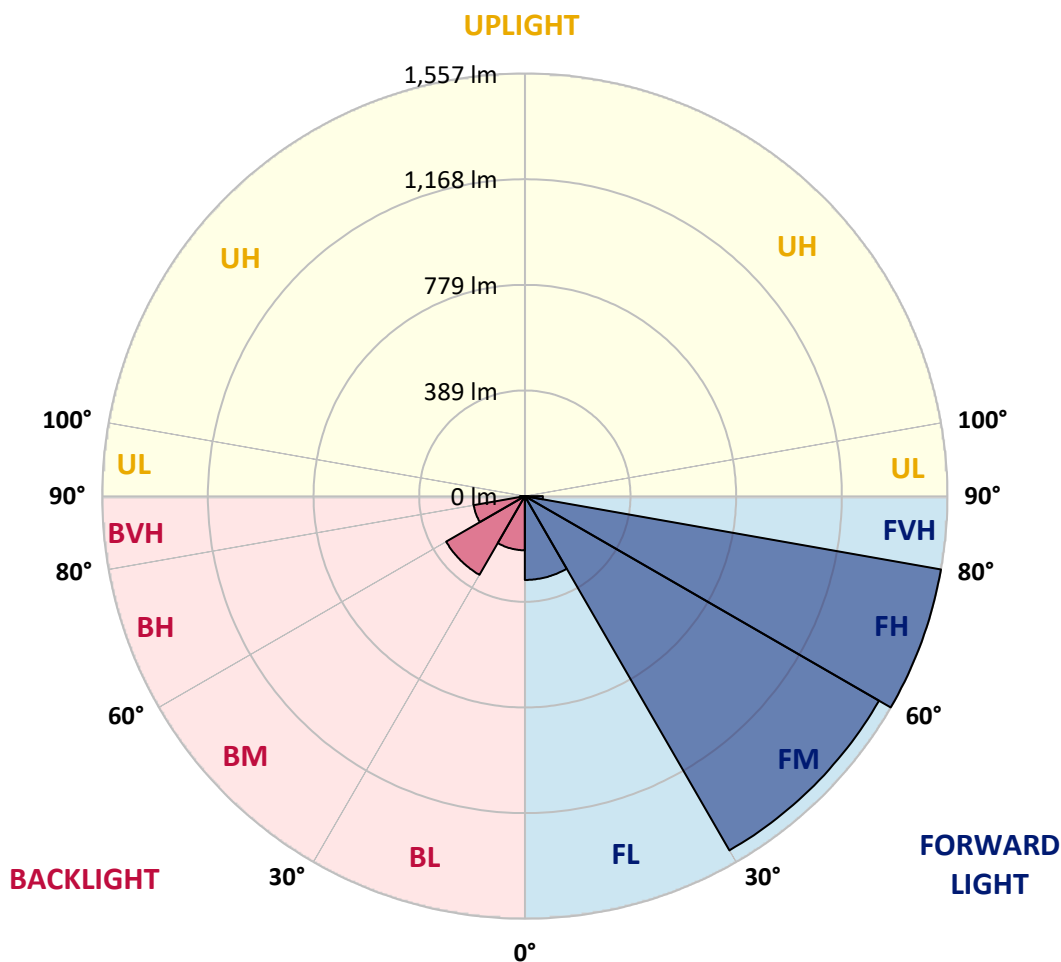
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	308.8	7.4			
FM (30°-60°)	1507.4	36.0			
FH (60°-80°)	1557.4	37.2			G1/1800
FVH (80°-90°)	66.4	1.6			G1/100
BL (0°-30°)	199.6	4.8	B1/500		
BM (30°-60°)	334.7	8.0	B1/1000		
BH (60°-80°)	191.5	4.6	B1/500		G1/500
BVH (80°-90°)	18.7	0.4			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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	693.1	693.1	693.1	693.1	693.1	693.1	693.1	693.1	693.1	693.1	693.1
2.5°	655.2	658.8	662.1	665.4	668.1	675.4	676.9	684.7	686.8	688.6	691.0
5°	618.5	621.2	624.5	629.9	635.6	648.6	657.6	674.8	684.4	687.4	695.8
7.5°	598.6	599.5	604.0	608.5	615.2	627.8	640.1	666.9	686.2	689.5	707.6
10°	584.1	585.3	589.6	595.9	602.5	614.2	629.6	661.5	692.8	698.0	723.5
12.5°	579.0	578.4	583.2	587.5	596.8	611.5	627.5	661.8	701.9	709.1	746.7
15°	599.5	595.6	598.6	597.1	600.1	614.6	633.5	668.4	713.0	722.0	770.8
17.5°	644.7	641.3	639.2	626.3	617.9	626.0	644.1	677.8	724.8	734.4	792.5
20°	712.1	702.8	694.9	673.3	649.8	647.1	659.7	687.1	735.9	745.2	815.4
22.5°	788.9	781.4	768.7	730.8	694.3	676.3	679.6	704.3	752.2	762.4	841.6
25°	885.8	885.5	859.6	808.5	753.4	716.9	710.0	731.7	770.5	780.5	863.3
27.5°	996.3	988.8	958.1	892.2	822.9	767.2	751.0	759.7	785.3	795.5	880.7
30°	1090.9	1091.8	1060.5	988.5	897.0	816.3	785.6	779.9	794.9	805.1	897.0
32.5°	1192.1	1186.9	1158.3	1084.3	977.1	869.0	807.9	794.3	804.8	814.5	919.6
35°	1287.2	1281.5	1256.8	1177.0	1065.3	927.1	838.0	816.9	828.3	838.9	947.3
37.5°	1377.8	1378.7	1350.7	1274.6	1150.8	995.7	882.5	850.9	863.3	875.0	989.4
40°	1457.0	1452.5	1430.8	1362.2	1239.6	1065.6	932.8	897.3	921.4	932.2	1042.7
42.5°	1482.3	1482.0	1490.5	1448.3	1333.0	1148.7	995.4	969.6	1003.6	1019.8	1108.1
45°	1460.3	1467.0	1515.8	1514.5	1426.3	1244.2	1081.0	1057.5	1106.6	1124.9	1187.9
47.5°	1438.7	1448.6	1514.8	1552.5	1510.0	1349.2	1186.0	1168.6	1239.0	1265.5	1270.7
50°	1407.1	1416.4	1495.3	1557.9	1561.2	1455.5	1322.1	1300.2	1390.8	1417.9	1360.7
52.5°	1371.8	1379.1	1460.6	1554.0	1585.6	1538.6	1455.5	1449.2	1553.4	1575.4	1452.2
55°	1177.3	1208.0	1409.8	1545.6	1602.5	1602.2	1585.3	1606.1	1730.7	1763.6	1554.3
57.5°	1065.6	1081.9	1266.4	1540.7	1634.1	1660.9	1719.3	1763.9	1920.1	1949.6	1666.9
60°	1029.2	1043.6	1194.5	1535.0	1697.0	1752.7	1850.3	1922.5	2123.7	2159.8	1792.8
62.5°	996.0	1013.5	1165.3	1489.6	1773.2	1898.2	2006.5	2094.2	2338.4	2381.1	1918.0
65°	928.6	940.9	1111.7	1451.3	1845.5	2105.6	2232.1	2283.3	2546.4	2594.6	2001.1
67.5°	812.1	823.8	990.9	1363.4	1892.4	2321.5	2478.7	2479.0	2707.2	2746.7	2018.6
70°	675.1	684.1	816.9	1171.9	1794.6	2460.0	2701.2	2606.9	2752.7	2769.8	1935.5
72.5°	482.7	490.5	598.3	866.3	1471.5	2347.7	2751.8	2601.5	2642.5	2637.1	1699.1
75°	297.5	312.5	366.4	528.7	914.4	1847.3	2476.6	2357.3	2218.8	2203.8	1279.4
77.5°	193.9	201.7	247.8	311.9	403.5	1060.5	1881.0	1767.5	1401.0	1383.6	687.7
80°	116.5	129.5	162.3	196.0	182.8	405.6	1074.0	878.0	495.0	489.6	211.4
82.5°	62.6	74.4	114.4	121.3	102.7	143.3	389.0	285.4	158.4	156.6	79.2
85°	49.7	55.4	82.2	76.8	58.1	72.6	151.8	118.9	81.3	79.5	29.8
87.5°	30.1	37.9	62.3	51.8	28.9	26.2	69.6	56.3	38.2	35.5	11.7
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°	693.1	693.1	693.1	693.1	693.1	693.1	693.1	693.1	693.1	693.1	693.1
2.5°	695.5	697.1	698.6	695.5	696.8	695.2	695.2	695.2	691.3	690.1	693.7
5°	702.2	704.3	705.5	696.1	690.4	682.0	675.1	664.5	658.5	654.6	654.6
7.5°	715.7	718.1	712.7	691.9	671.8	649.2	626.0	606.7	592.9	586.8	588.7
10°	735.6	736.5	718.4	680.2	637.1	595.3	562.5	536.9	519.7	511.0	509.8
12.5°	758.8	754.9	719.6	654.3	590.5	534.2	494.1	461.0	439.0	430.6	426.4
15°	781.7	772.3	715.1	623.3	537.5	469.7	418.5	387.2	373.7	369.8	368.2
17.5°	802.1	784.7	700.1	578.7	476.0	394.4	356.8	345.7	347.2	350.8	352.3
20°	820.8	794.0	678.4	525.7	399.3	335.7	326.4	336.6	345.1	350.5	351.4
22.5°	841.3	803.0	648.3	461.3	336.3	308.6	319.8	331.5	339.9	345.4	346.3
25°	856.9	802.7	605.8	384.8	296.6	301.4	314.7	325.2	331.5	335.4	335.1
27.5°	866.9	795.5	550.1	321.9	280.9	296.3	308.9	315.9	319.5	322.5	322.2
30°	869.9	781.7	480.0	275.5	273.7	291.5	301.1	305.3	308.0	311.0	311.0
32.5°	875.9	760.3	402.6	249.6	268.3	286.6	292.4	295.7	293.6	286.0	284.5
35°	882.5	736.5	329.4	237.6	263.2	283.3	288.8	280.0	257.1	254.1	252.9
37.5°	895.5	714.5	267.4	229.1	262.0	285.1	289.7	254.7	235.5	226.1	224.6
40°	917.5	692.5	225.8	223.1	263.5	293.0	277.6	242.7	210.8	193.0	190.0
42.5°	946.4	665.7	202.3	220.1	267.7	305.6	273.4	225.5	190.6	178.6	176.7
45°	979.8	630.2	191.2	219.5	272.8	311.9	274.6	211.7	181.6	172.2	171.6
47.5°	1014.4	595.3	186.4	218.9	279.1	309.2	258.0	207.5	178.0	175.2	177.0
50°	1051.8	555.5	182.5	217.4	284.2	309.2	249.0	206.6	179.2	185.2	191.2
52.5°	1086.7	522.1	178.0	212.9	286.3	303.8	246.3	209.9	181.0	179.5	181.3
55°	1129.1	504.9	175.5	206.6	282.4	287.3	243.0	218.9	182.5	170.1	170.1
57.5°	1177.6	501.3	171.9	198.1	269.8	264.4	242.7	224.3	178.6	167.1	165.0
60°	1236.0	509.2	167.4	187.6	254.4	246.6	240.6	224.3	172.2	162.0	162.9
62.5°	1283.3	508.3	164.7	178.3	234.0	228.2	236.7	221.3	169.8	161.4	161.1
65°	1294.4	489.0	156.9	166.2	208.7	206.0	232.5	213.8	166.5	158.1	155.7
67.5°	1256.8	445.3	145.1	150.3	181.9	182.2	224.9	203.8	162.0	156.3	152.4
70°	1149.9	360.1	127.7	131.0	153.0	156.9	213.8	192.1	154.5	148.4	139.1
72.5°	962.3	258.9	107.5	108.4	121.6	131.9	194.5	176.1	143.3	129.2	119.2
75°	712.4	171.9	87.6	86.4	91.2	107.2	166.2	158.4	128.9	107.2	102.1
77.5°	376.7	101.8	67.4	67.7	64.7	82.2	131.9	137.6	114.4	90.3	85.2
80°	128.9	61.1	48.5	50.6	45.8	58.7	97.9	114.4	97.9	75.3	66.5
82.5°	59.0	37.3	34.6	36.1	32.8	39.7	67.1	86.7	78.0	54.8	44.3
85°	29.8	22.3	22.3	24.4	21.7	20.5	37.0	57.5	57.2	37.6	32.5
87.5°	12.3	10.8	10.2	11.7	10.2	7.8	10.5	20.8	30.1	22.6	14.5
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)