

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: P671947

Luminaire Tested: **CCP-SA-1D-730-U-AFL**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671947
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-730-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ AFL distribution lens
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

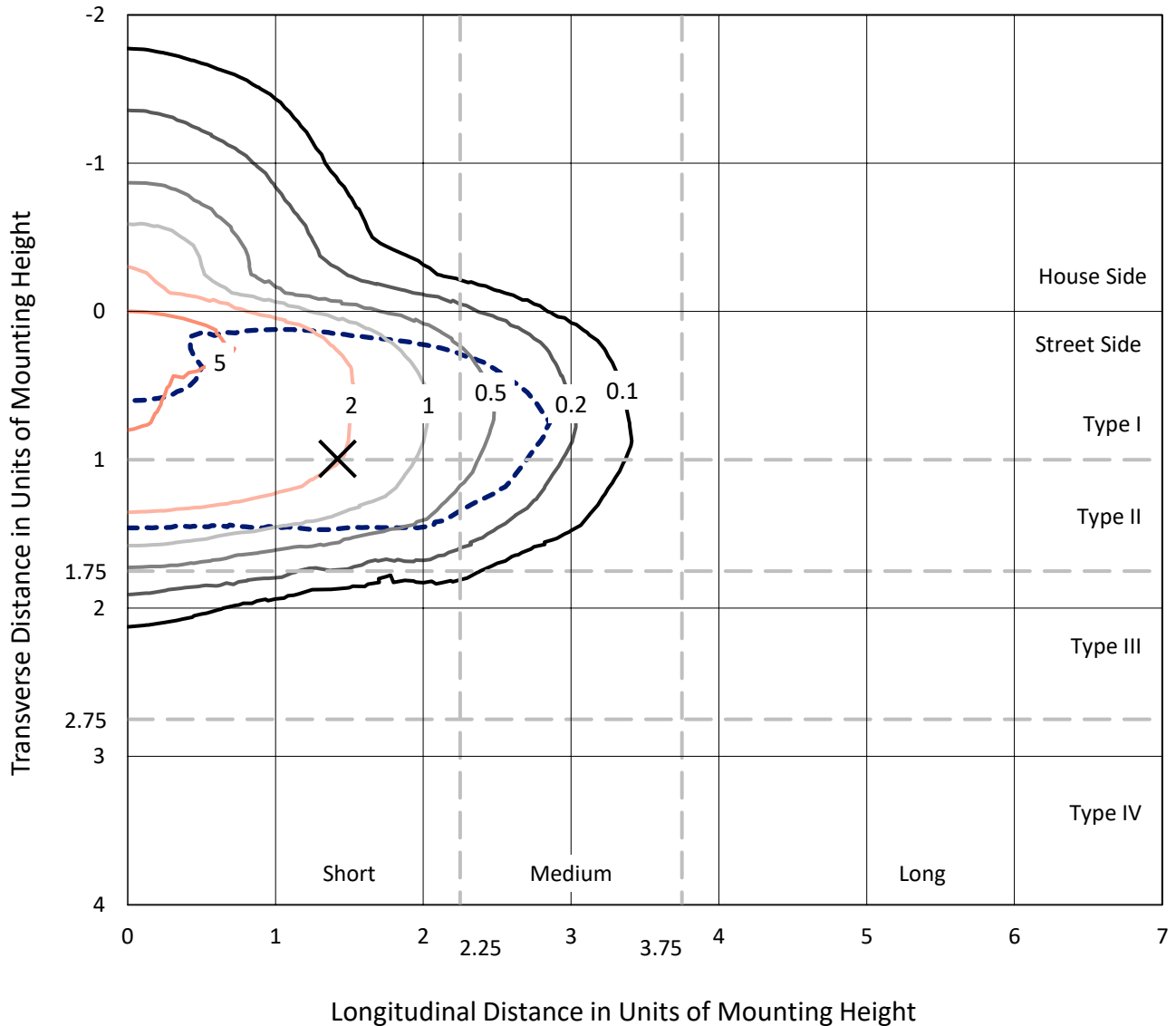
Lumens per Lamp: N/A
Luminaire Lumens: 5124.8 lumens
Efficiency: N/A
Efficacy: 116.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 44
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

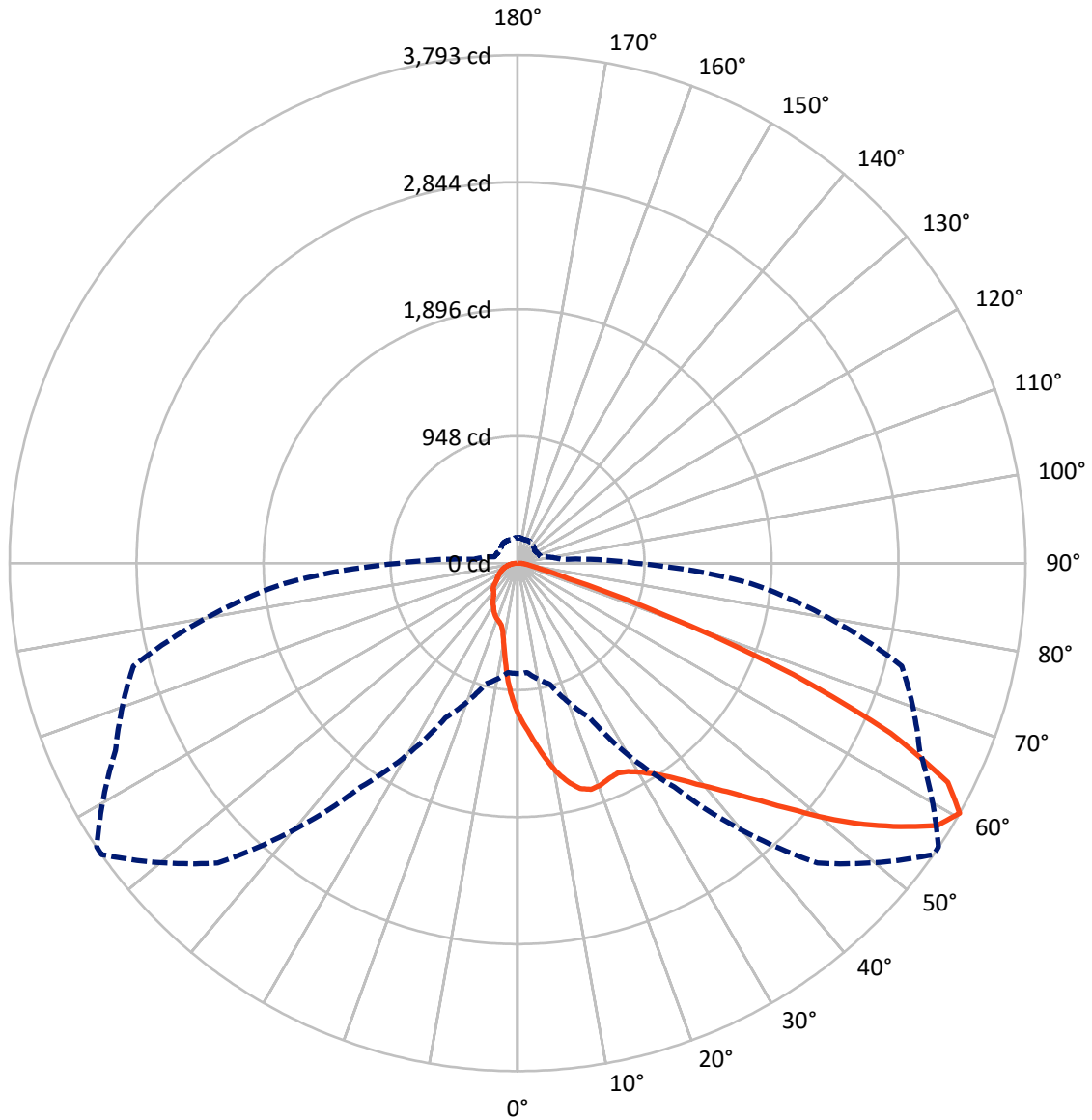
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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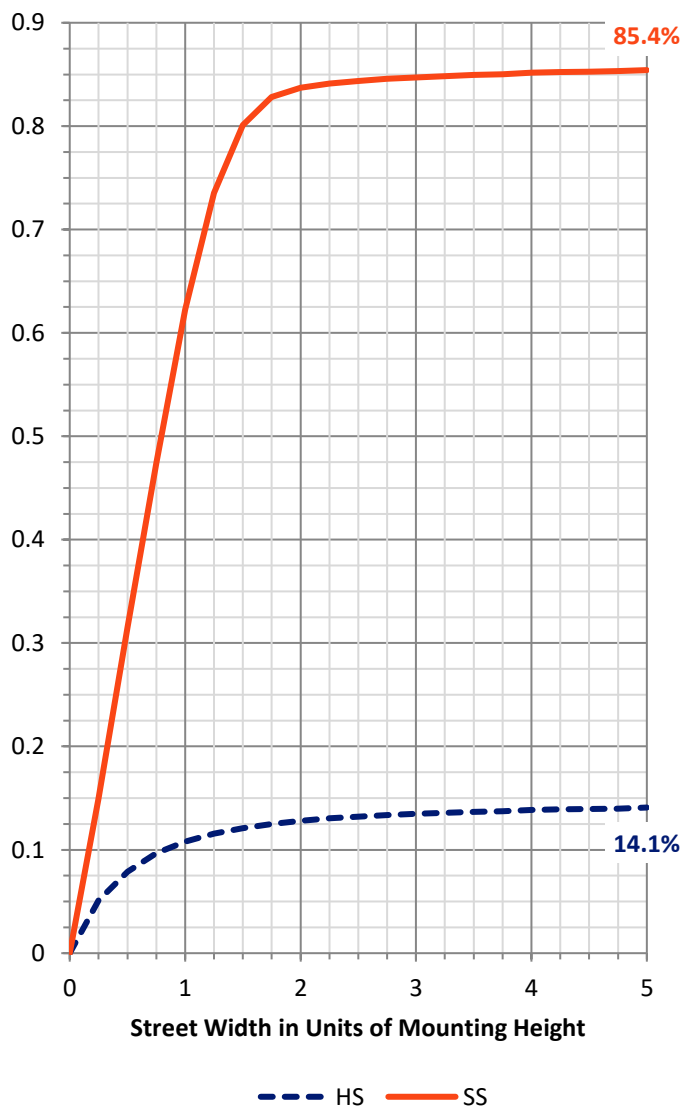
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	736.7	0.0	736.7
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	4388.1	0.0	4388.1
	% Fixture	85.6	0.0	85.6
Total	Lumens	5124.8	0.0	5124.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.4	2.1
10°-20°	301.3	5.9
20°-30°	490.6	9.6
30°-40°	733.3	14.3
40°-50°	1077.8	21.0
50°-60°	1263.3	24.6
60°-70°	832.9	16.3
70°-80°	265.2	5.2
80°-90°	53.9	1.1
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°	5124.8	100.0
0°-180°	5124.8	100.0



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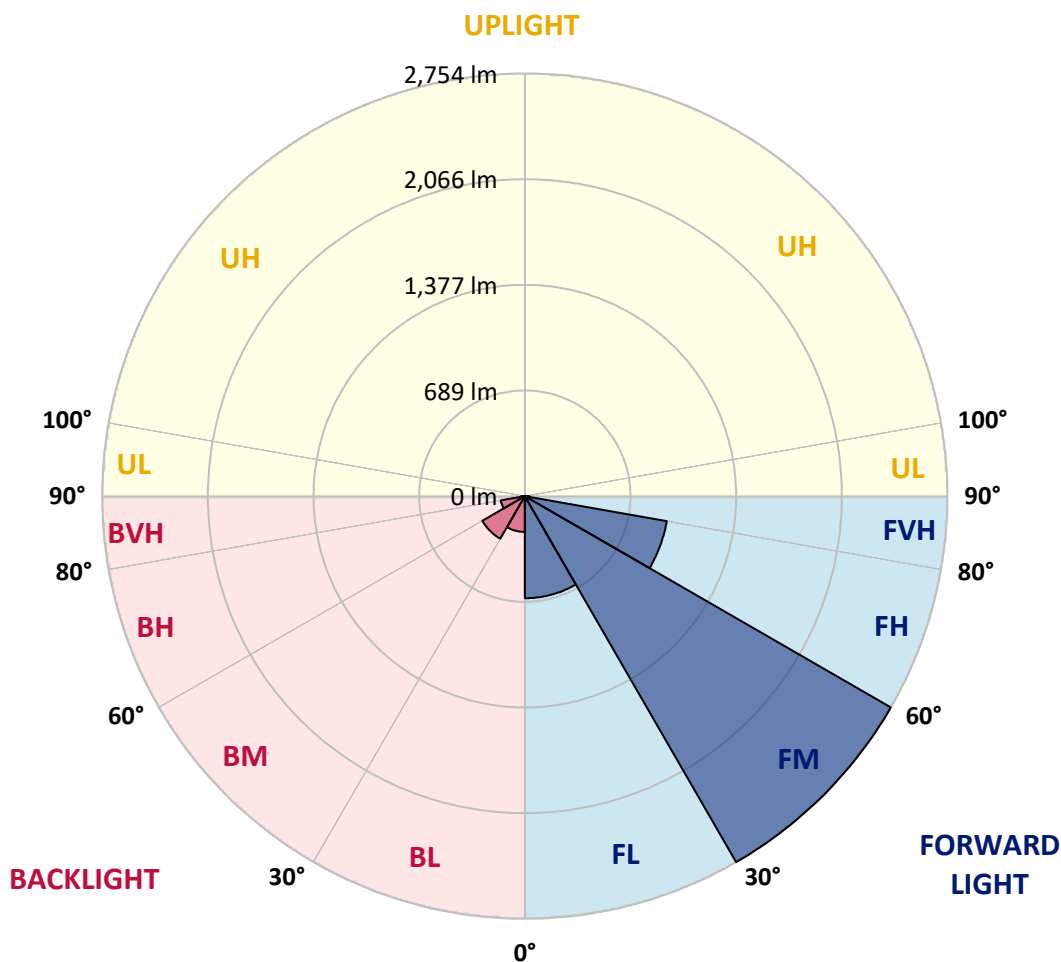
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	665.1	13.0			
FM (30°-60°)	2754.2	53.7			
FH (60°-80°)	939.2	18.3			G1/1800
FVH (80°-90°)	29.6	0.6			G1/100
BL (0°-30°)	233.2	4.6	B1/500		
BM (30°-60°)	320.2	6.2	B1/1000		
BH (60°-80°)	159.0	3.1	B1/500		G1/500
BVH (80°-90°)	24.3	0.5			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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1136.6	1136.6	1136.6	1136.6	1136.6	1136.6	1136.6	1136.6	1136.6	1136.6	1136.6
2.5°	1322.6	1317.8	1317.8	1305.6	1287.4	1262.1	1232.0	1224.6	1213.1	1183.7	1145.8
5°	1524.3	1519.1	1512.1	1490.5	1456.7	1406.2	1342.7	1331.2	1290.0	1229.4	1161.1
7.5°	1657.7	1654.7	1652.5	1633.9	1600.5	1550.7	1465.6	1452.6	1382.8	1282.5	1175.6
10°	1643.9	1652.8	1668.4	1681.4	1688.1	1662.5	1582.6	1567.4	1480.9	1344.2	1197.1
12.5°	1515.0	1527.7	1556.6	1609.8	1671.0	1720.4	1675.1	1666.6	1585.6	1409.6	1224.2
15°	1419.2	1424.4	1438.5	1477.9	1569.3	1701.1	1746.8	1739.0	1683.3	1493.5	1255.4
17.5°	1389.5	1391.7	1395.1	1408.1	1470.5	1625.7	1776.2	1783.6	1778.0	1580.8	1290.7
20°	1404.4	1405.8	1406.2	1408.4	1438.2	1562.6	1768.4	1781.0	1861.2	1668.1	1325.6
22.5°	1461.6	1459.7	1457.1	1448.6	1465.3	1551.4	1747.6	1767.6	1925.5	1747.6	1357.9
25°	1561.5	1558.9	1540.7	1522.8	1529.9	1591.6	1736.4	1758.0	1975.6	1822.6	1381.7
27.5°	1680.3	1677.7	1659.2	1625.4	1617.9	1658.4	1762.4	1775.8	2012.4	1889.1	1392.1
30°	1803.6	1803.6	1780.6	1741.6	1717.8	1734.9	1810.3	1821.1	2040.2	1953.3	1398.8
32.5°	1938.1	1941.8	1906.2	1861.6	1835.2	1825.2	1877.6	1886.8	2080.7	2029.1	1412.9
35°	2110.8	2102.6	2059.2	2000.5	1958.2	1935.5	1960.8	1971.5	2140.2	2123.4	1435.6
37.5°	2305.1	2290.6	2237.1	2166.9	2093.0	2055.1	2071.8	2074.4	2228.2	2246.4	1476.8
40°	2465.5	2462.9	2417.6	2351.1	2257.9	2207.0	2198.8	2200.3	2350.4	2392.0	1539.2
42.5°	2600.7	2591.1	2582.9	2559.5	2460.7	2377.1	2343.7	2344.1	2483.0	2542.4	1602.0
45°	2660.5	2658.7	2682.8	2743.0	2672.0	2573.6	2526.1	2532.8	2634.9	2696.9	1662.5
47.5°	2634.9	2636.4	2701.0	2858.9	2900.8	2825.4	2741.1	2737.0	2782.0	2815.4	1716.0
50°	2406.1	2430.2	2605.2	2869.6	3050.9	3088.4	2993.3	2978.1	2910.9	2909.8	1748.7
52.5°	2233.4	2232.3	2339.6	2760.1	3104.0	3325.7	3240.3	3206.1	3017.5	2962.9	1751.3
55°	2000.1	1998.6	2078.5	2439.5	2998.5	3491.4	3473.2	3430.5	3115.1	2980.3	1733.4
57.5°	1514.7	1542.9	1622.4	1953.0	2664.2	3465.0	3695.7	3660.0	3210.6	2972.5	1730.1
60°	824.2	820.9	936.0	1272.9	2039.9	3165.7	3792.6	3790.8	3312.0	2969.6	1750.5
62.5°	380.0	376.3	399.3	566.8	1169.6	2536.1	3605.4	3632.2	3406.0	2942.4	1748.7
65°	284.1	274.5	243.3	263.7	447.6	1513.9	3062.4	3133.7	3261.1	2831.0	1667.7
67.5°	253.3	244.0	207.6	194.6	224.7	534.1	2221.5	2287.2	2727.0	2622.3	1536.6
70°	232.1	224.0	187.6	167.1	168.6	236.6	1162.9	1292.2	1998.6	2188.4	1309.6
72.5°	211.7	204.7	171.6	147.1	141.9	156.4	396.3	478.0	1243.2	1594.9	976.5
75°	190.2	183.5	154.5	131.9	121.8	115.9	188.7	203.2	657.4	880.7	524.1
77.5°	165.3	161.6	137.8	116.3	107.7	87.7	125.5	131.9	281.5	345.8	249.6
80°	143.7	140.8	122.9	105.5	96.6	67.6	86.5	91.0	138.9	172.7	139.7
82.5°	93.6	101.0	101.8	90.6	85.1	54.2	57.2	60.5	92.1	101.8	60.9
85°	38.6	46.8	70.2	62.4	59.1	46.1	37.9	38.6	56.5	59.4	21.9
87.5°	17.5	19.3	34.5	34.9	30.5	17.5	18.9	20.8	29.0	28.6	9.7
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°	1136.6	1136.6	1136.6	1136.6	1136.6	1136.6	1136.6	1136.6	1136.6	1136.6	1136.6
2.5°	1135.4	1118.4	1087.9	1048.9	1021.1	1000.6	978.3	962.0	943.8	927.8	930.4
5°	1132.8	1099.8	1031.5	959.0	888.5	830.5	782.2	746.6	709.8	695.3	693.5
7.5°	1135.1	1079.0	966.8	848.3	741.0	667.1	611.0	577.2	556.0	543.8	544.5
10°	1134.3	1059.3	897.0	733.6	616.2	548.6	514.4	503.3	501.4	502.9	505.1
12.5°	1135.4	1032.6	818.6	630.3	526.7	492.1	493.6	503.7	510.0	514.1	516.7
15°	1140.3	1010.7	738.4	549.0	479.9	481.0	497.0	512.6	521.9	526.3	528.5
17.5°	1147.3	983.2	667.1	487.3	460.2	477.3	498.1	514.8	521.9	524.5	526.3
20°	1148.1	951.6	595.0	445.0	447.2	469.5	487.7	501.1	510.0	512.9	514.4
22.5°	1144.7	908.9	521.1	414.1	432.3	454.6	470.2	485.5	473.6	463.9	461.3
25°	1130.6	855.0	458.0	388.9	413.8	434.6	452.4	435.7	430.1	422.7	423.4
27.5°	1100.2	787.8	398.5	365.1	391.9	421.6	408.6	406.3	399.3	391.9	391.9
30°	1060.0	716.9	348.8	340.2	365.5	380.3	383.3	380.0	375.9	366.2	367.0
32.5°	1024.0	641.8	313.5	319.4	348.8	348.8	361.8	361.8	346.9	319.8	319.8
35°	988.4	571.3	287.5	302.0	321.3	327.6	345.4	322.0	300.9	288.6	287.9
37.5°	960.5	511.1	270.4	287.1	294.5	310.5	310.9	293.8	286.7	275.6	274.5
40°	944.2	460.6	260.0	279.7	280.4	295.3	270.8	275.6	274.1	265.6	264.5
42.5°	935.3	421.6	252.2	273.4	269.7	255.2	250.7	258.9	261.5	257.0	255.2
45°	928.2	391.1	245.9	251.5	261.1	234.7	232.9	239.2	244.8	244.4	242.9
47.5°	924.5	369.9	240.3	237.7	239.6	222.5	218.8	221.7	228.8	233.3	232.9
50°	910.0	353.6	232.1	223.6	211.7	211.7	209.9	209.9	218.4	227.3	228.1
52.5°	884.4	334.3	220.3	210.2	196.5	202.4	203.2	201.7	210.6	220.3	221.0
55°	856.1	319.8	204.3	198.0	183.9	193.9	197.2	195.7	201.7	208.4	208.0
57.5°	856.5	319.4	190.5	185.7	172.0	183.1	191.3	191.7	191.3	196.1	196.1
60°	878.1	326.9	179.8	169.4	158.2	171.6	185.0	185.0	182.4	189.4	190.2
62.5°	884.4	326.1	173.1	153.8	146.0	161.2	175.7	177.9	176.1	186.1	187.2
65°	828.7	308.7	166.4	139.7	134.8	149.7	164.2	170.5	168.6	181.6	183.1
67.5°	751.4	286.0	156.0	127.0	123.3	138.5	152.3	159.0	158.6	175.7	176.4
70°	647.8	258.1	143.0	114.0	112.2	125.5	137.8	144.9	148.2	167.9	167.5
72.5°	501.8	221.4	123.3	100.3	99.9	112.2	122.9	130.7	137.1	156.0	156.0
75°	323.5	174.2	100.7	86.9	85.4	96.9	108.1	117.0	136.3	166.4	166.0
77.5°	197.6	133.0	81.0	72.4	72.1	82.5	93.6	108.8	148.9	148.2	144.1
80°	118.5	95.5	64.6	57.9	57.9	67.6	79.9	116.6	123.7	141.1	133.3
82.5°	61.7	58.7	48.3	42.7	44.6	53.1	72.8	93.2	101.0	85.8	78.7
85°	25.3	31.2	29.7	27.1	28.2	36.8	70.2	74.7	59.8	62.8	63.1
87.5°	8.5	13.7	13.7	10.8	11.9	26.0	41.6	24.9	30.1	17.8	13.4
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)