

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: P674378

Luminaire Tested: **CCP-SA-2C-722-U-AFL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674378
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-722-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ AFL distribution lens and House Side Shield
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

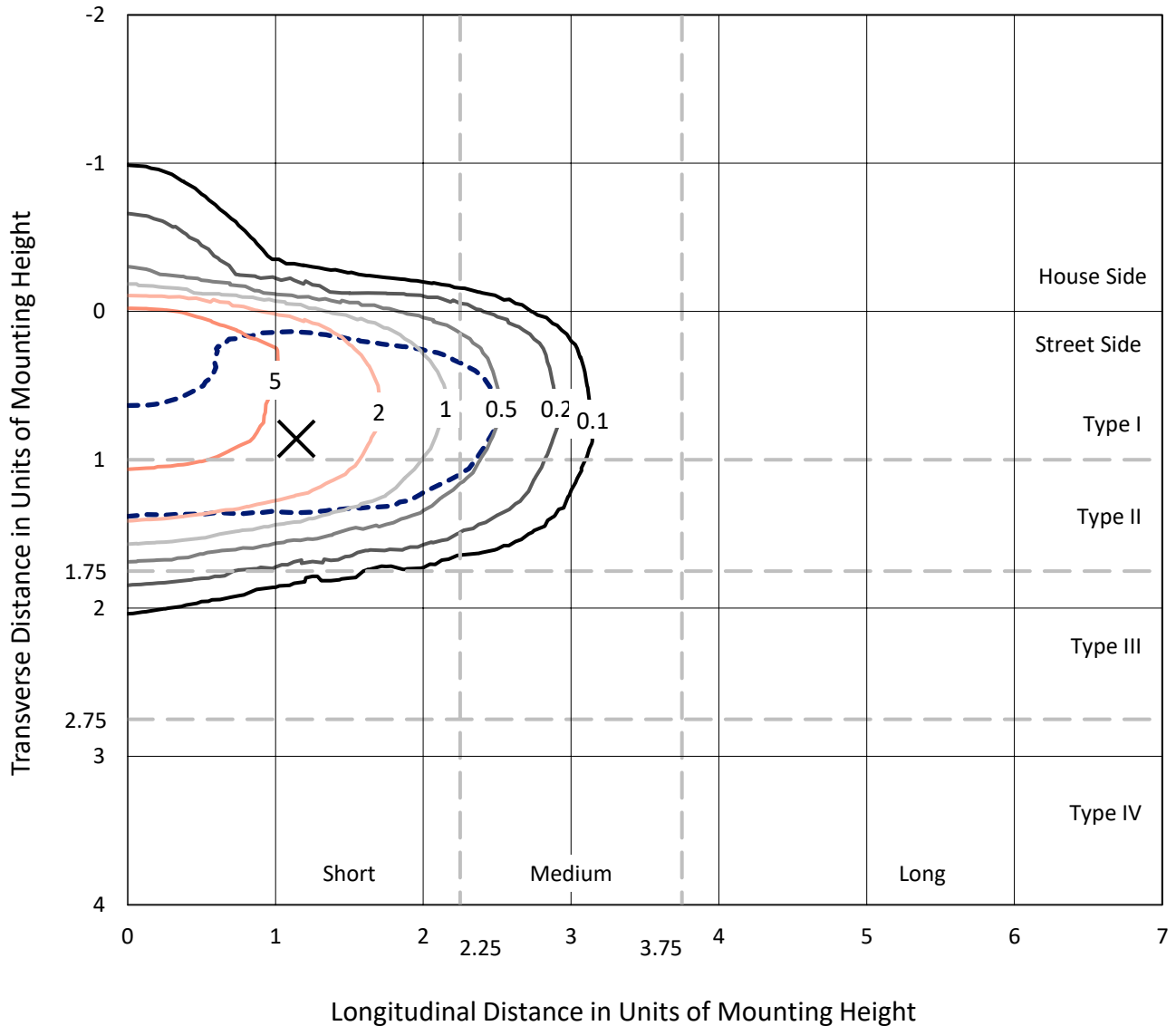
Lumens per Lamp: N/A
Luminaire Lumens: 5522.9 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 62.1
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

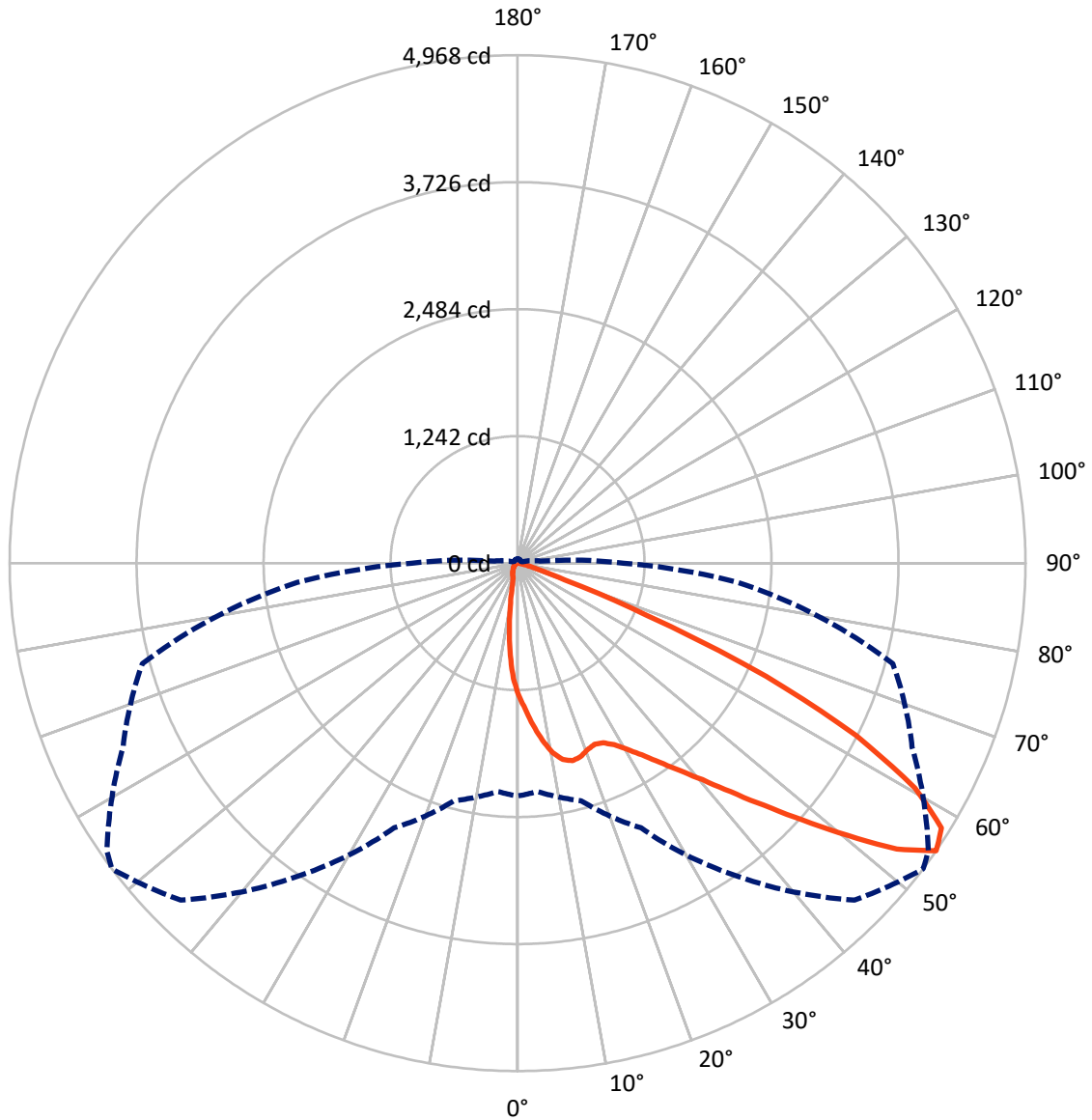
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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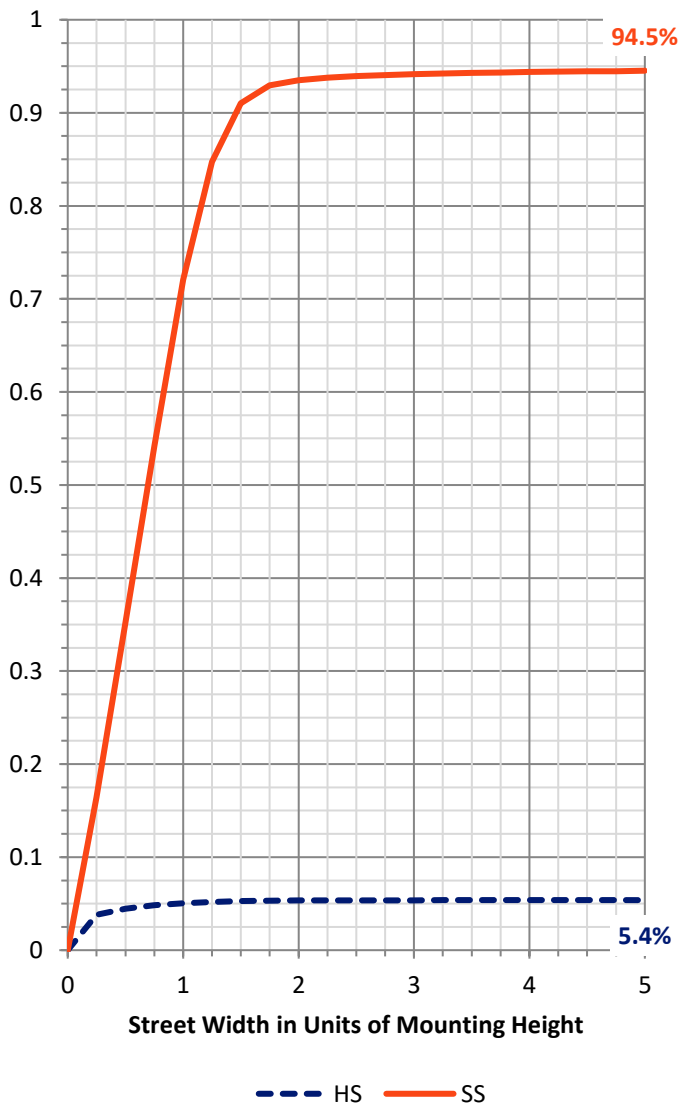
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	298.5	0.0	298.5
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	5224.3	0.0	5224.3
	% Fixture	94.6	0.0	94.6
Total	Lumens	5522.9	0.0	5522.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.6	2.1
10°-20°	301.9	5.5
20°-30°	505.4	9.2
30°-40°	826.8	15.0
40°-50°	1329.0	24.1
50°-60°	1500.5	27.2
60°-70°	800.4	14.5
70°-80°	131.5	2.4
80°-90°	11.8	0.2
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°	5522.9	100.0
0°-180°	5522.9	100.0



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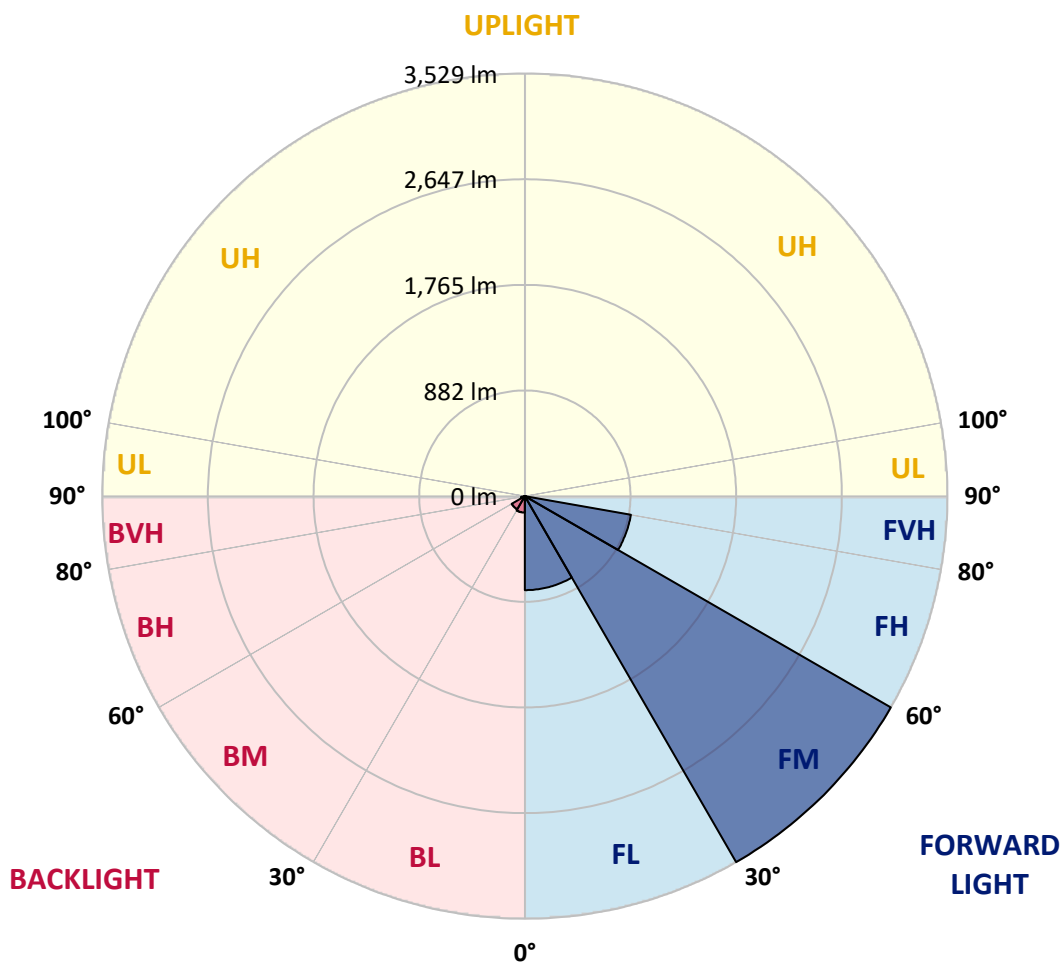
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	785.1	14.2			
FM (30°-60°)	3529.1	63.9			
FH (60°-80°)	899.3	16.3			G1/1800
FVH (80°-90°)	10.8	0.2			G1/100
BL (0°-30°)	137.8	2.5	B1/500		
BM (30°-60°)	127.2	2.3	B0/220		
BH (60°-80°)	32.6	0.6	B0/110		G0/110
BVH (80°-90°)	1.0	0.0			G0/10
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°	53°	55°	65°	75°	85°
0°	1292.5	1292.5	1292.5	1292.5	1292.5	1292.5	1292.5	1292.5	1292.5	1292.5	1292.5
2.5°	1549.9	1540.7	1546.0	1532.0	1506.4	1474.4	1426.5	1428.9	1391.2	1358.3	1312.8
5°	1805.9	1796.2	1793.3	1757.5	1721.7	1664.1	1593.0	1581.4	1512.2	1428.4	1333.1
7.5°	1940.9	1932.7	1939.0	1925.9	1890.6	1838.3	1748.3	1739.6	1632.7	1505.9	1365.5
10°	1879.0	1876.0	1902.7	1933.6	1962.2	1955.9	1883.8	1870.2	1750.2	1591.0	1398.9
12.5°	1712.5	1721.7	1755.6	1812.7	1900.7	1983.5	1971.9	1974.3	1870.2	1683.5	1435.7
15°	1614.7	1625.9	1645.2	1674.7	1783.1	1930.2	2005.2	2029.4	1985.4	1786.5	1479.3
17.5°	1606.5	1615.7	1618.6	1629.7	1693.1	1844.6	1991.7	2037.7	2088.0	1883.8	1528.1
20°	1669.9	1673.8	1671.4	1663.1	1685.9	1798.1	1949.1	2014.9	2172.7	1987.3	1571.2
22.5°	1789.4	1783.6	1776.4	1745.9	1744.4	1811.2	1925.9	1994.6	2223.0	2073.0	1599.7
25°	1937.5	1925.4	1915.2	1872.2	1851.9	1879.4	1946.7	2001.9	2268.5	2156.2	1620.1
27.5°	2099.1	2103.0	2077.8	2019.8	1987.8	1982.0	2011.1	2052.2	2312.5	2230.7	1631.2
30°	2271.9	2273.8	2240.9	2180.9	2151.9	2114.6	2112.7	2137.3	2359.9	2316.4	1641.8
32.5°	2468.8	2474.1	2420.4	2358.0	2307.2	2258.8	2235.1	2255.9	2445.1	2428.2	1663.6
35°	2753.3	2730.1	2657.5	2563.2	2491.1	2427.7	2391.4	2404.9	2558.3	2562.2	1707.2
37.5°	3046.6	3044.2	2963.8	2827.9	2709.8	2630.9	2569.0	2591.2	2717.5	2741.7	1776.8
40°	3320.0	3326.3	3256.6	3138.0	2986.1	2850.6	2784.3	2799.3	2929.0	2959.5	1861.5
42.5°	3498.5	3495.1	3500.5	3466.6	3314.2	3154.5	3054.8	3063.0	3174.8	3190.8	1967.5
45°	3580.8	3567.7	3613.2	3720.6	3660.2	3492.2	3378.5	3368.4	3429.8	3425.5	2063.8
47.5°	3509.7	3485.5	3590.0	3848.9	3966.0	3915.2	3752.6	3734.2	3681.9	3647.1	2164.0
50°	3155.9	3145.3	3368.9	3787.9	4158.1	4306.2	4186.6	4118.4	3906.9	3810.6	2216.7
52.5°	2819.6	2790.1	2941.1	3476.8	4072.4	4620.7	4645.4	4523.9	4093.7	3857.6	2198.8
55°	2277.7	2241.4	2405.9	2856.4	3733.2	4660.8	4967.6	4904.2	4257.3	3799.5	2162.5
57.5°	1383.4	1347.6	1589.6	2045.9	2985.6	4327.0	4888.3	4952.6	4383.1	3735.6	2138.8
60°	581.6	558.9	653.7	976.5	1906.5	3556.1	4467.3	4627.9	4406.8	3648.1	2148.5
62.5°	302.4	292.3	297.6	391.0	770.8	2341.6	3718.2	3997.9	4167.8	3609.3	2158.2
65°	226.9	219.2	202.3	214.8	299.5	1012.3	2672.0	3046.6	3649.5	3511.1	2092.8
67.5°	186.3	179.0	166.9	163.1	176.6	351.3	1364.1	1850.9	2859.8	3092.6	1858.6
70°	148.6	146.1	142.3	135.0	132.6	170.3	489.2	754.4	1891.0	2180.9	1347.2
72.5°	123.9	124.4	120.0	113.7	105.0	109.8	195.0	257.9	915.0	1045.7	564.2
75°	103.6	103.6	105.0	96.3	87.6	75.5	108.4	125.8	293.7	241.5	120.5
77.5°	81.3	82.3	88.6	81.3	70.2	47.4	59.0	67.3	87.1	69.7	44.0
80°	64.8	63.9	61.5	73.1	62.9	33.4	28.1	31.0	40.6	33.4	21.8
82.5°	45.5	45.0	43.1	49.4	48.9	24.7	18.4	18.9	24.7	21.3	13.5
85°	11.1	13.1	27.6	23.2	20.3	14.5	11.1	12.1	16.0	14.0	7.3
87.5°	4.8	4.8	12.6	15.0	9.7	6.3	4.8	5.3	8.2	8.2	4.4
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°	1292.5	1292.5	1292.5	1292.5	1292.5	1292.5	1292.5	1292.5	1292.5	1292.5	1292.5
2.5°	1296.8	1265.4	1225.7	1183.6	1140.5	1088.8	1055.9	1028.8	1007.5	991.0	985.2
5°	1301.7	1241.2	1151.2	1039.4	925.7	819.2	737.0	676.0	625.7	598.1	586.0
7.5°	1301.2	1220.9	1058.3	871.0	686.2	532.8	423.9	356.6	311.6	293.2	282.1
10°	1300.7	1194.2	952.3	684.2	458.7	308.7	227.4	189.7	173.2	166.9	166.0
12.5°	1314.7	1163.8	833.7	503.7	287.9	192.1	158.2	149.5	145.7	143.7	143.2
15°	1322.5	1135.7	708.9	355.7	194.0	151.9	141.3	137.4	136.0	135.0	134.5
17.5°	1330.7	1092.1	590.3	257.4	155.3	137.9	131.6	129.2	128.2	128.2	128.2
20°	1332.2	1045.2	472.8	189.7	137.9	128.7	122.4	120.0	118.6	117.6	117.6
22.5°	1321.5	989.6	371.6	153.9	127.7	120.0	113.2	109.4	106.9	106.5	106.5
25°	1294.9	910.7	285.0	135.0	119.5	111.3	103.1	98.7	96.8	96.8	96.8
27.5°	1256.7	817.8	220.2	120.0	108.9	100.6	93.4	89.5	89.0	88.6	89.0
30°	1213.1	728.3	168.4	106.5	96.3	89.5	83.7	81.8	82.7	82.7	83.2
32.5°	1169.6	638.7	131.6	95.8	85.2	79.4	76.5	76.5	77.9	77.9	77.9
35°	1132.3	551.2	110.3	87.1	77.4	72.6	71.1	72.6	73.6	74.0	74.0
37.5°	1111.5	475.7	97.3	79.4	71.1	67.3	66.8	68.2	70.2	71.6	72.1
40°	1103.8	417.6	89.5	73.6	65.3	62.9	62.4	64.4	67.7	70.2	70.6
42.5°	1104.2	366.3	82.7	67.7	61.5	58.1	58.1	61.0	64.4	66.8	66.8
45°	1107.6	322.3	76.0	61.9	58.1	52.3	52.7	56.6	59.0	61.5	61.5
47.5°	1110.5	286.9	68.7	55.6	50.3	47.4	48.4	51.3	54.7	58.6	58.6
50°	1093.6	261.8	61.5	48.9	44.0	43.1	45.0	47.4	52.3	56.1	56.6
52.5°	1052.9	239.0	55.2	43.6	39.7	40.2	42.6	44.0	47.9	48.4	48.9
55°	1035.0	227.4	50.3	39.7	36.3	37.7	39.2	39.7	38.7	36.3	36.3
57.5°	1031.2	219.7	45.5	35.8	33.4	35.3	34.8	31.9	29.0	26.1	25.6
60°	1035.0	209.0	41.6	31.0	30.5	31.0	29.5	24.2	20.3	18.4	17.4
62.5°	1012.8	193.6	38.2	26.6	26.6	26.1	22.3	16.5	13.1	11.6	11.1
65°	939.2	163.1	34.8	22.3	21.8	20.8	15.0	11.1	8.7	7.3	6.8
67.5°	794.5	126.3	31.5	18.4	17.4	14.5	9.7	7.3	4.8	4.4	3.9
70°	542.0	78.4	26.6	14.5	13.1	9.2	5.8	4.4	2.9	2.4	1.9
72.5°	196.5	45.5	22.3	11.1	8.7	5.8	3.4	1.9	1.5	1.5	1.0
75°	46.5	31.9	16.9	8.2	5.8	3.4	1.9	1.5	1.0	1.0	0.5
77.5°	21.3	24.7	11.1	4.8	3.9	2.4	1.5	1.0	0.5	0.5	0.0
80°	12.1	17.4	5.3	3.4	2.9	1.9	1.0	0.5	0.5	0.0	0.0
82.5°	6.3	9.7	3.9	2.9	2.4	1.5	1.0	0.0	0.0	0.0	0.0
85°	4.4	4.8	2.9	2.4	1.9	1.5	1.0	0.0	0.0	0.0	0.0
87.5°	3.4	3.4	2.9	2.4	1.9	1.5	0.5	0.0	0.0	0.0	0.0
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)