

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: P671940

Luminaire Tested: **CCP-SA-2B-727-U-AFL**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671940
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-727-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ AFL distribution lens
Light Source: (32) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

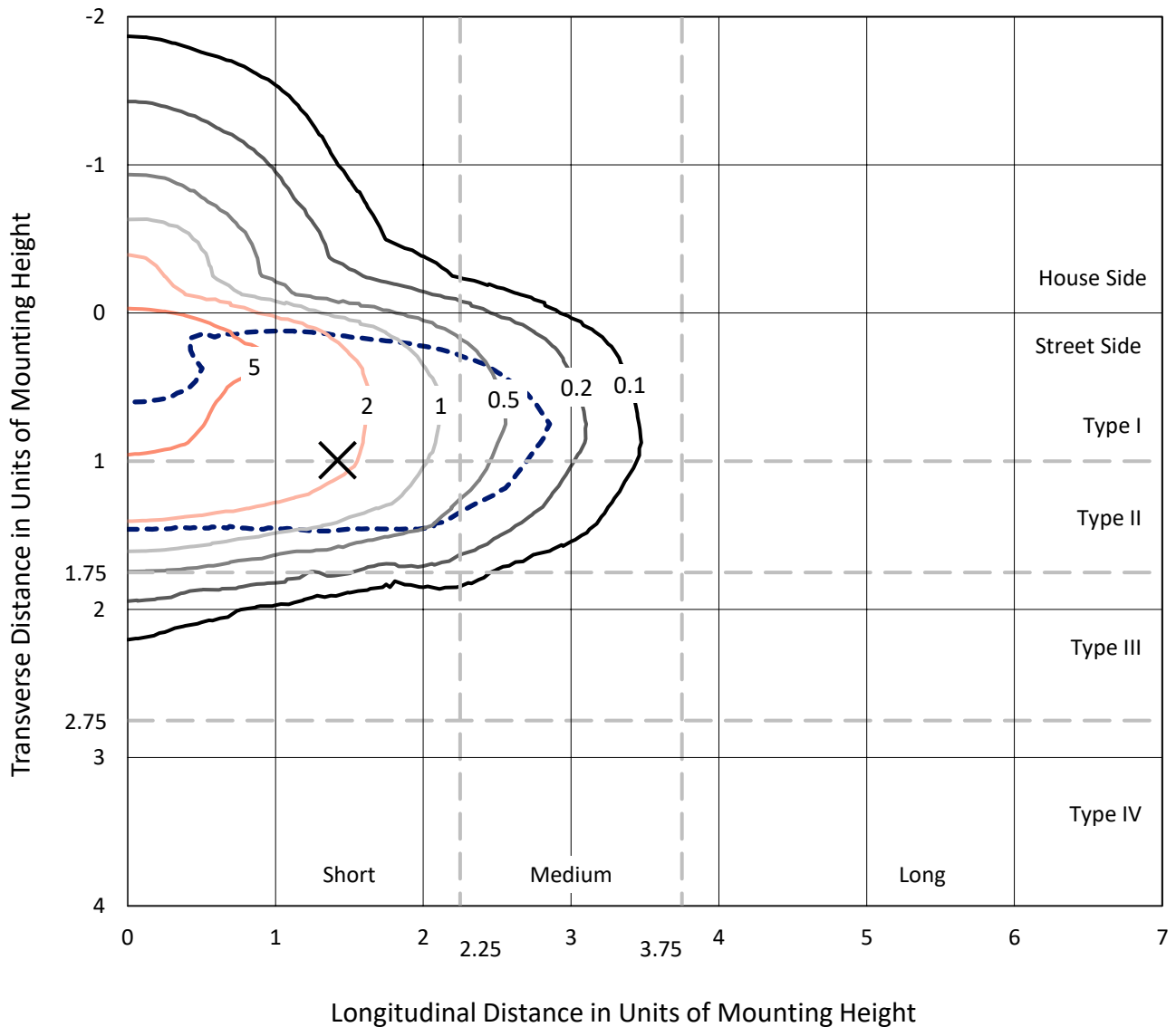
Lumens per Lamp: N/A
Luminaire Lumens: 5828.5 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 46
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

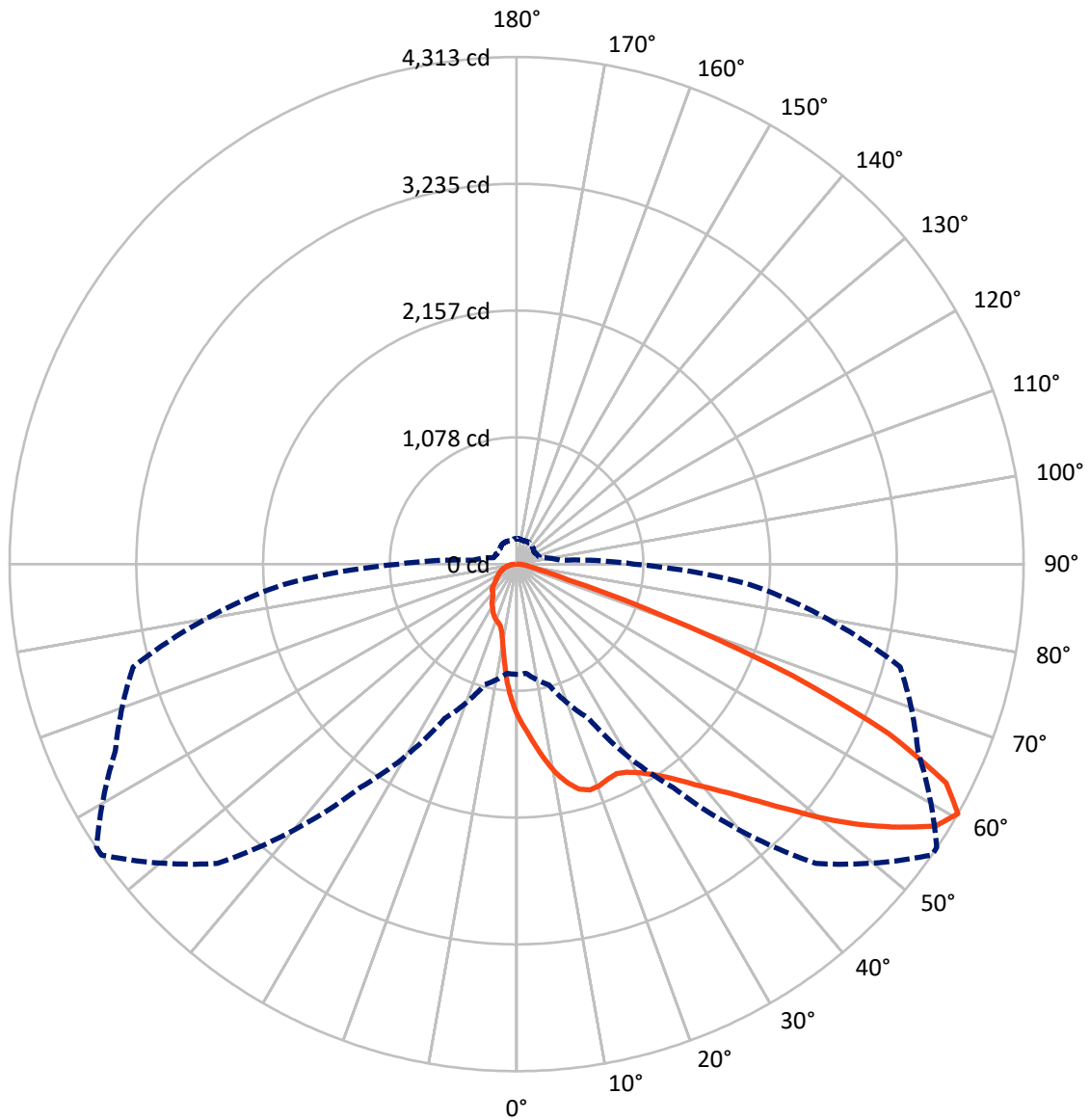
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.1 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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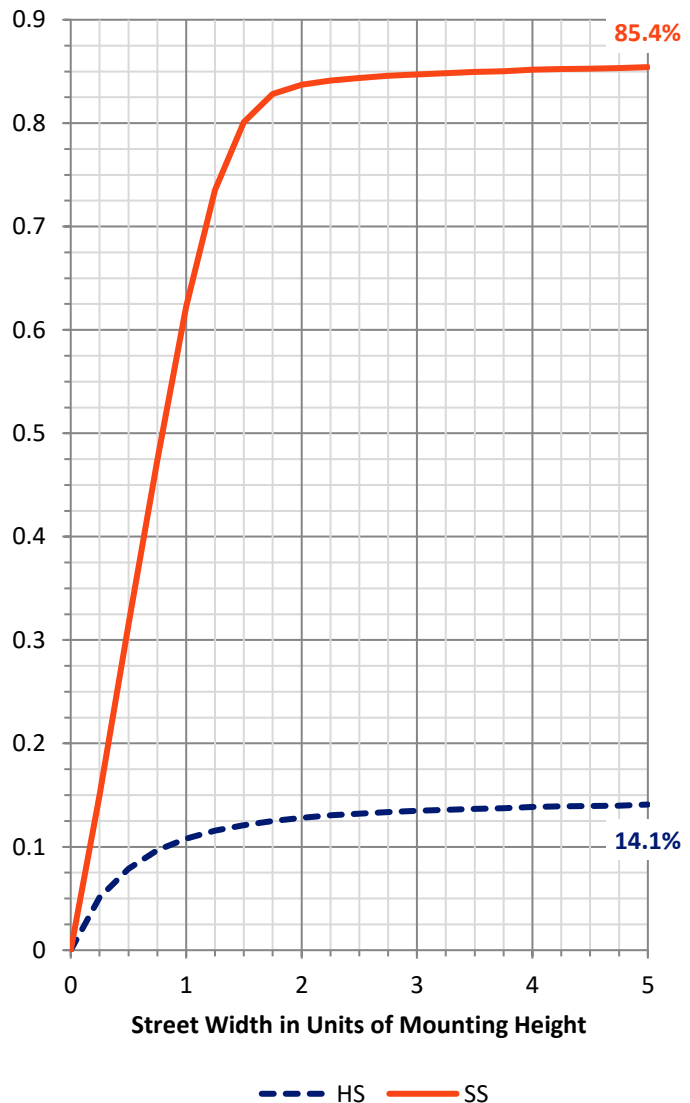
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	837.9	0.0	837.9
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	4990.6	0.0	4990.6
	% Fixture	85.6	0.0	85.6
Total	Lumens	5828.5	0.0	5828.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.0	2.1
10°-20°	342.7	5.9
20°-30°	558.0	9.6
30°-40°	834.0	14.3
40°-50°	1225.8	21.0
50°-60°	1436.7	24.6
60°-70°	947.3	16.3
70°-80°	301.6	5.2
80°-90°	61.3	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°	5828.5	100.0
0°-180°	5828.5	100.0



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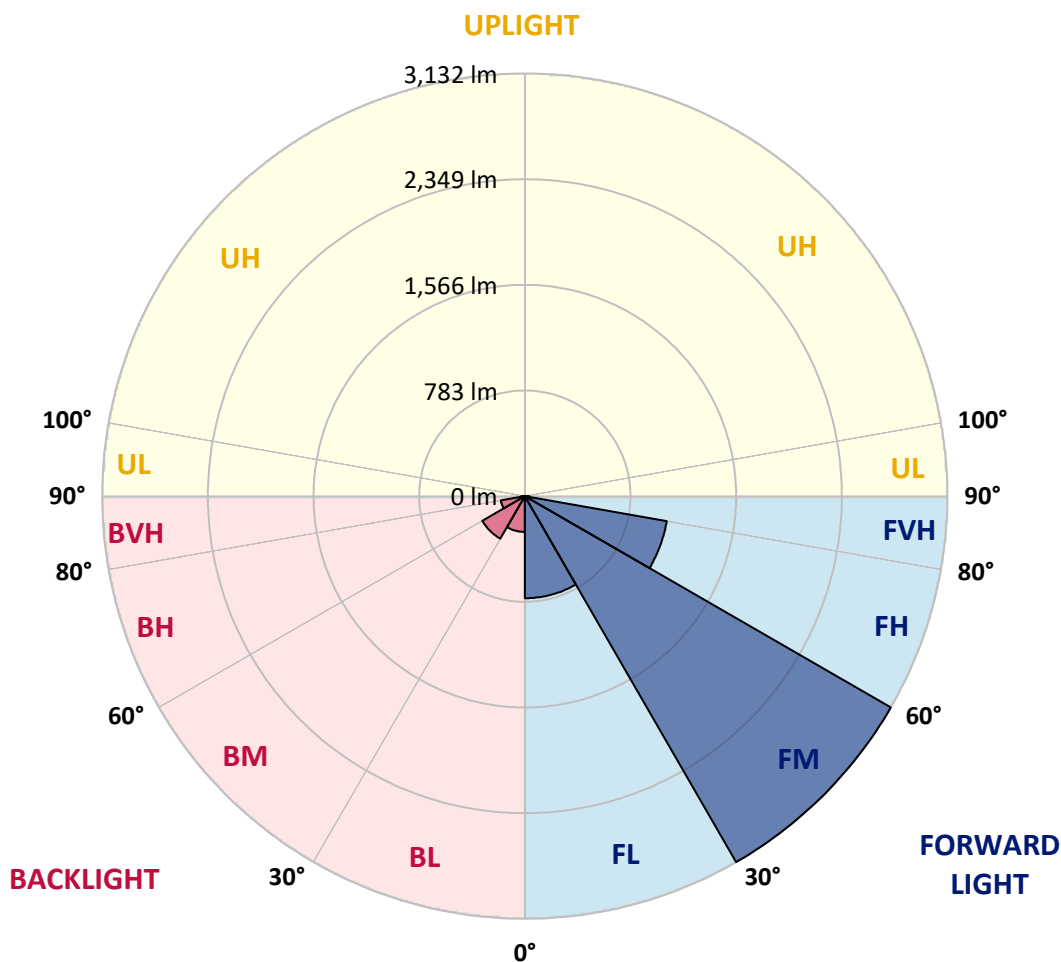
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	756.5	13.0			
FM (30°-60°)	3132.4	53.7			
FH (60°-80°)	1068.1	18.3			G1/1800
FVH (80°-90°)	33.6	0.6			G1/100
BL (0°-30°)	265.2	4.6	B1/500		
BM (30°-60°)	364.2	6.2	B1/1000		
BH (60°-80°)	180.8	3.1	B1/500		G1/500
BVH (80°-90°)	27.7	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°	1292.6	1292.6	1292.6	1292.6	1292.6	1292.6	1292.6	1292.6	1292.6	1292.6	1292.6
2.5°	1504.3	1498.8	1498.8	1484.8	1464.1	1435.4	1401.2	1392.7	1379.7	1346.3	1303.2
5°	1733.6	1727.7	1719.7	1695.2	1656.8	1599.3	1527.1	1514.0	1467.1	1398.2	1320.5
7.5°	1885.3	1881.9	1879.4	1858.3	1820.2	1763.6	1666.9	1652.1	1572.7	1458.6	1337.0
10°	1869.7	1879.8	1897.6	1912.3	1919.9	1890.8	1800.0	1782.7	1684.2	1528.8	1361.5
12.5°	1723.1	1737.5	1770.4	1830.8	1900.5	1956.7	1905.2	1895.4	1803.4	1603.1	1392.3
15°	1614.1	1620.0	1636.1	1680.8	1784.8	1934.7	1986.7	1977.8	1914.4	1698.6	1427.8
17.5°	1580.3	1582.8	1586.6	1601.4	1672.4	1849.0	2020.1	2028.5	2022.2	1797.9	1467.9
20°	1597.2	1598.9	1599.3	1601.9	1635.6	1777.2	2011.2	2025.5	2116.8	1897.1	1507.6
22.5°	1662.3	1660.1	1657.2	1647.5	1666.5	1764.5	1987.5	2010.3	2189.9	1987.5	1544.4
25°	1775.9	1772.9	1752.2	1732.0	1740.0	1810.1	1974.9	1999.4	2246.9	2072.9	1571.4
27.5°	1911.1	1908.1	1887.0	1848.6	1840.1	1886.1	2004.4	2019.6	2288.7	2148.5	1583.3
30°	2051.3	2051.3	2025.1	1980.8	1953.7	1973.2	2058.9	2071.2	2320.4	2221.6	1590.9
32.5°	2204.2	2208.5	2167.9	2117.2	2087.2	2075.8	2135.4	2145.9	2366.4	2307.7	1606.9
35°	2400.7	2391.4	2341.9	2275.2	2227.0	2201.3	2230.0	2242.3	2434.0	2415.0	1632.7
37.5°	2621.6	2605.1	2544.3	2464.5	2380.4	2337.3	2356.3	2359.3	2534.2	2554.9	1679.6
40°	2804.1	2801.1	2749.6	2674.0	2567.9	2510.1	2500.8	2502.5	2673.1	2720.4	1750.5
42.5°	2957.8	2946.9	2937.6	2911.0	2798.6	2703.5	2665.5	2666.0	2823.9	2891.5	1821.9
45°	3025.9	3023.7	3051.2	3119.6	3039.0	2927.0	2872.9	2880.5	2996.7	3067.3	1890.8
47.5°	2996.7	2998.4	3071.9	3251.4	3299.2	3213.4	3117.5	3112.9	3164.0	3202.0	1951.6
50°	2736.5	2764.0	2962.9	3263.7	3469.8	3512.5	3404.4	3387.0	3310.6	3309.3	1988.8
52.5°	2540.1	2538.8	2660.9	3139.1	3530.2	3782.4	3685.3	3646.4	3431.8	3369.7	1991.8
55°	2274.8	2273.1	2363.9	2774.5	3410.3	3970.8	3950.1	3901.6	3542.9	3389.6	1971.5
57.5°	1722.7	1754.8	1845.2	2221.1	3030.1	3940.8	4203.2	4162.6	3651.5	3380.7	1967.7
60°	937.4	933.6	1064.5	1447.7	2320.0	3600.4	4313.4	4311.3	3766.8	3377.3	1990.9
62.5°	432.1	427.9	454.1	644.6	1330.2	2884.3	4100.5	4130.9	3873.7	3346.5	1988.8
65°	323.2	312.2	276.7	299.9	509.0	1721.8	3482.9	3564.0	3708.9	3219.8	1896.7
67.5°	288.1	277.5	236.1	221.4	255.6	607.5	2526.5	2601.3	3101.5	2982.3	1747.6
70°	264.0	254.7	213.3	190.1	191.8	269.1	1322.6	1469.6	2273.1	2489.0	1489.5
72.5°	240.8	232.8	195.2	167.3	161.4	177.8	450.7	543.7	1413.9	1813.9	1110.6
75°	216.3	208.7	175.7	150.0	138.6	131.8	214.6	231.1	747.7	1001.6	596.0
77.5°	188.0	183.8	156.7	132.2	122.5	99.7	142.8	150.0	320.2	393.3	283.9
80°	163.5	160.1	139.8	120.0	109.8	76.9	98.4	103.5	158.0	196.4	158.8
82.5°	106.5	114.9	115.7	103.1	96.7	61.7	65.1	68.9	104.8	115.7	69.3
85°	43.9	53.2	79.8	71.0	67.2	52.4	43.1	43.9	64.2	67.6	24.9
87.5°	19.9	22.0	39.3	39.7	34.6	19.9	21.5	23.7	32.9	32.5	11.0
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°	1292.6	1292.6	1292.6	1292.6	1292.6	1292.6	1292.6	1292.6	1292.6	1292.6	1292.6
2.5°	1291.4	1271.9	1237.3	1192.9	1161.3	1138.0	1112.7	1094.1	1073.4	1055.2	1058.2
5°	1288.4	1250.8	1173.1	1090.7	1010.5	944.6	889.6	849.1	807.3	790.8	788.7
7.5°	1290.9	1227.2	1099.6	964.8	842.7	758.7	694.9	656.5	632.4	618.4	619.3
10°	1290.1	1204.8	1020.2	834.3	700.8	623.9	585.1	572.4	570.3	572.0	574.5
12.5°	1291.4	1174.4	931.0	716.9	599.0	559.7	561.4	572.8	580.0	584.6	587.6
15°	1296.9	1149.4	839.8	624.4	545.8	547.0	565.2	583.0	593.5	598.6	601.1
17.5°	1304.9	1118.2	758.7	554.2	523.4	542.8	566.5	585.5	593.5	596.5	598.6
20°	1305.7	1082.3	676.7	506.1	508.6	534.0	554.6	569.9	580.0	583.4	585.1
22.5°	1301.9	1033.7	592.7	471.0	491.7	517.1	534.8	552.1	538.6	527.6	524.7
25°	1285.9	972.4	520.9	442.3	470.6	494.2	514.5	495.5	489.2	480.7	481.6
27.5°	1251.2	896.0	453.3	415.2	445.7	479.5	464.7	462.1	454.1	445.7	445.7
30°	1205.6	815.3	396.7	386.9	415.7	432.6	435.9	432.1	427.5	416.5	417.4
32.5°	1164.6	730.0	356.5	363.3	396.7	396.7	411.4	411.4	394.5	363.7	363.7
35°	1124.1	649.7	327.0	343.4	365.4	372.6	392.9	366.2	342.2	328.2	327.4
37.5°	1092.4	581.3	307.5	326.5	335.0	353.2	353.6	334.1	326.1	313.4	312.2
40°	1073.8	523.8	295.7	318.1	318.9	335.8	308.0	313.4	311.8	302.0	300.8
42.5°	1063.7	479.5	286.8	310.9	306.7	290.2	285.1	294.4	297.4	292.3	290.2
45°	1055.7	444.8	279.6	286.0	297.0	267.0	264.9	272.0	278.4	278.0	276.3
47.5°	1051.4	420.7	273.3	270.4	272.5	253.0	248.8	252.2	260.2	265.3	264.9
50°	1035.0	402.2	264.0	254.3	240.8	240.8	238.7	238.7	248.4	258.5	259.4
52.5°	1005.8	380.2	250.5	239.1	223.5	230.2	231.1	229.4	239.5	250.5	251.3
55°	973.7	363.7	232.3	225.2	209.1	220.5	224.3	222.6	229.4	237.0	236.6
57.5°	974.1	363.3	216.7	211.2	195.6	208.3	217.6	218.0	217.6	223.0	223.0
60°	998.6	371.7	204.5	192.6	180.0	195.2	210.4	210.4	207.4	215.4	216.3
62.5°	1005.8	370.9	196.9	174.9	166.0	183.3	199.8	202.3	200.2	211.6	212.9
65°	942.4	351.0	189.2	158.8	153.3	170.2	186.7	193.9	191.8	206.6	208.3
67.5°	854.6	325.3	177.4	144.5	140.2	157.6	173.2	180.8	180.4	199.8	200.7
70°	736.7	293.6	162.6	129.7	127.6	142.8	156.7	164.7	168.5	190.9	190.5
72.5°	570.7	251.8	140.2	114.1	113.6	127.6	139.8	148.7	155.9	177.4	177.4
75°	367.9	198.1	114.5	98.8	97.2	110.3	122.9	133.1	155.0	189.2	188.8
77.5°	224.7	151.2	92.1	82.4	82.0	93.8	106.5	123.8	169.4	168.5	163.9
80°	134.8	108.6	73.5	65.9	65.9	76.9	90.8	132.6	140.7	160.5	151.7
82.5°	70.1	66.7	54.9	48.6	50.7	60.4	82.8	106.0	114.9	97.6	89.6
85°	28.7	35.5	33.8	30.8	32.1	41.8	79.8	84.9	68.0	71.4	71.8
87.5°	9.7	15.6	15.6	12.3	13.5	29.6	47.3	28.3	34.2	20.3	15.2
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)