

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: P672004

Luminaire Tested: **CCP-SA-1F-827-U-AFL**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672004
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-827-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ AFL distribution lens
Light Source: (16) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

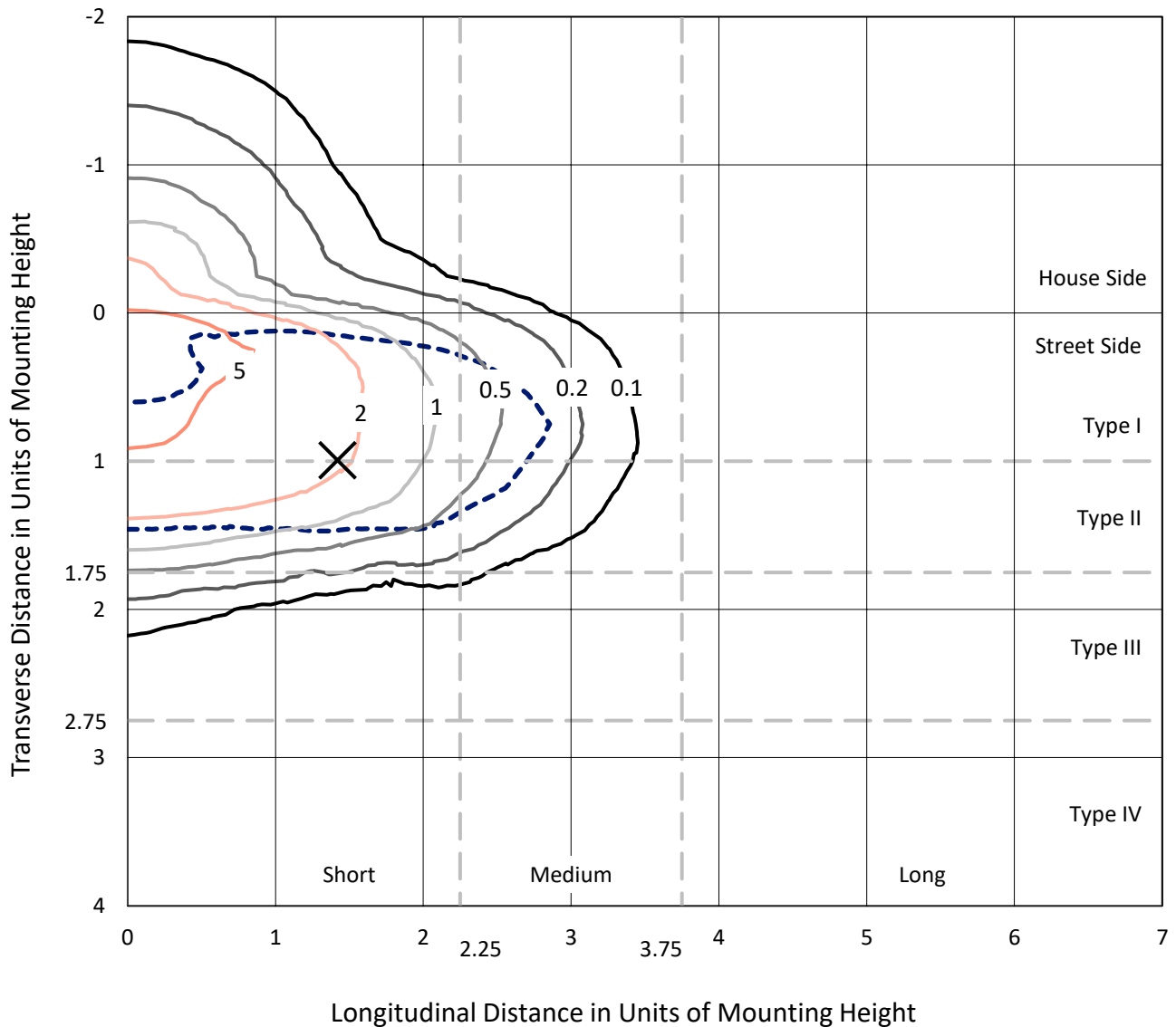
Lumens per Lamp: N/A
Luminaire Lumens: 5562 lumens
Efficiency: N/A
Efficacy: 83.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 67
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

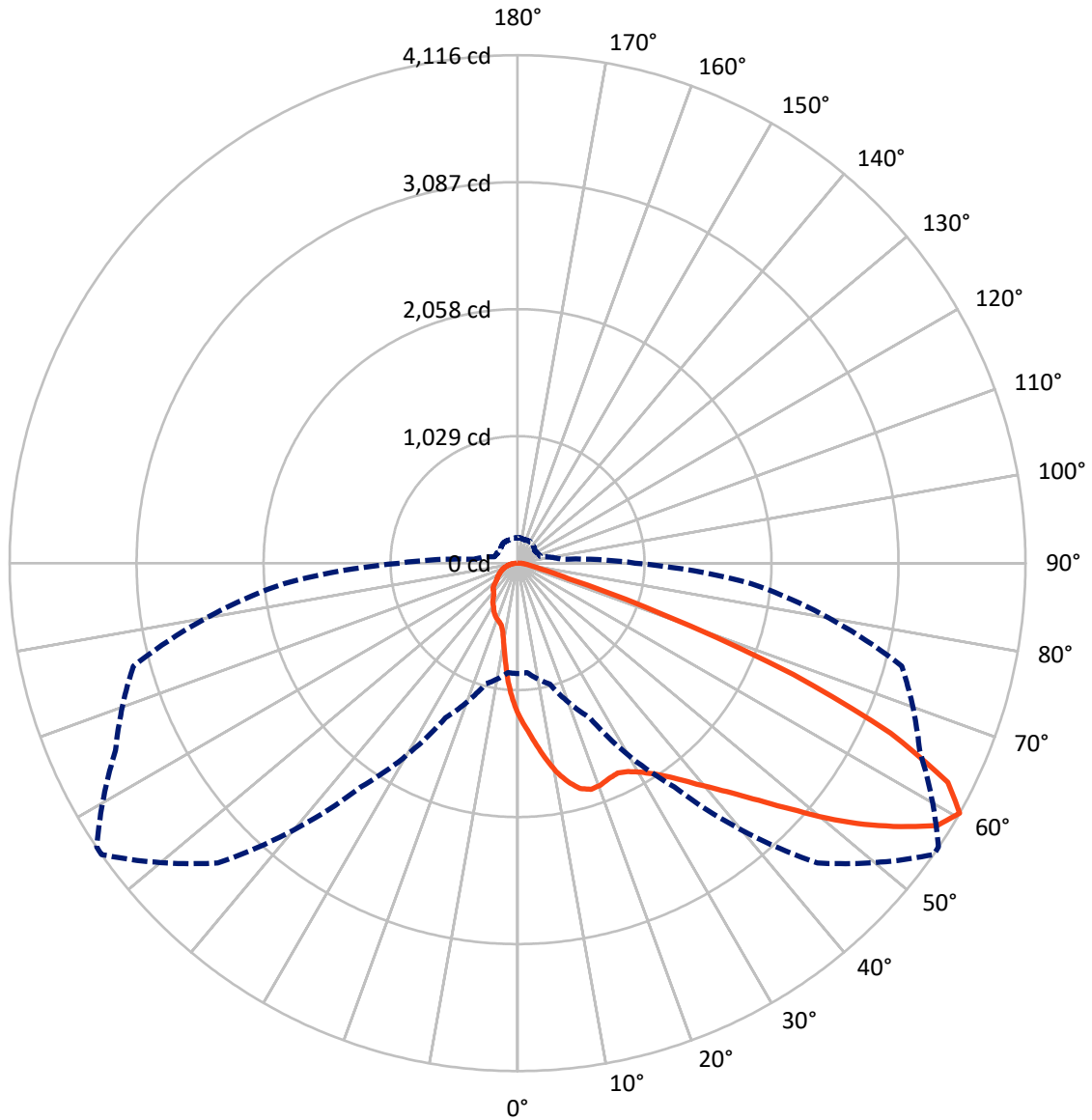
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.7 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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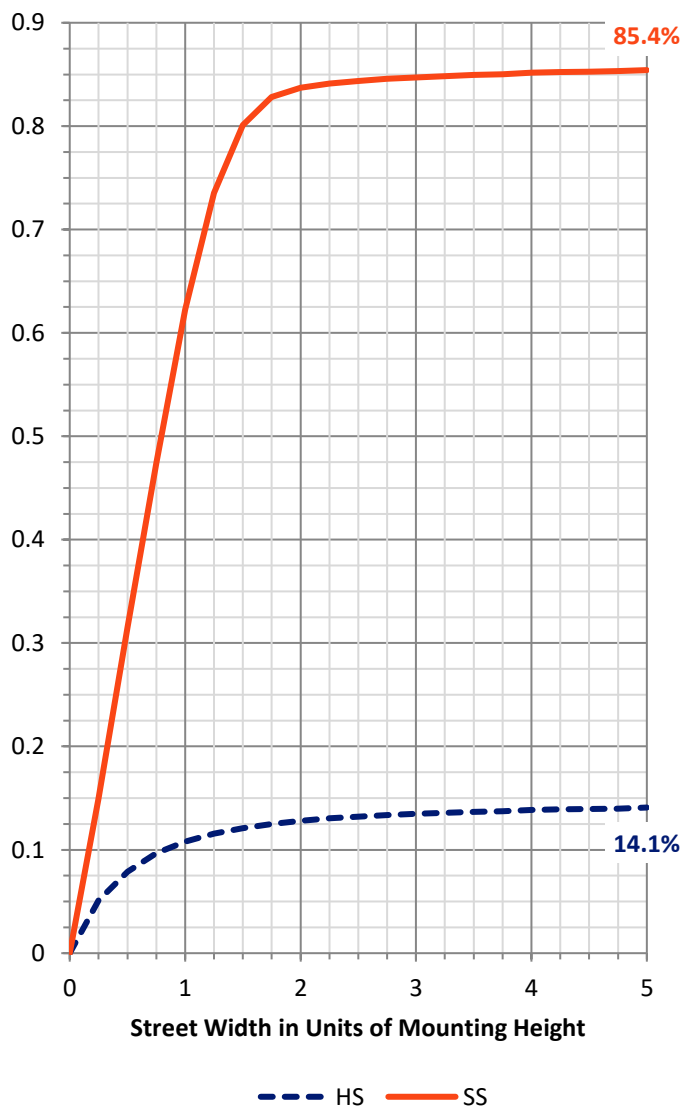
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	799.5	0.0	799.5
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	4762.4	0.0	4762.4
	% Fixture	85.6	0.0	85.6
Total	Lumens	5562.0	0.0	5562.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.4	2.1
10°-20°	327.0	5.9
20°-30°	532.5	9.6
30°-40°	795.9	14.3
40°-50°	1169.8	21.0
50°-60°	1371.0	24.6
60°-70°	904.0	16.3
70°-80°	287.8	5.2
80°-90°	58.5	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°	5562.0	100.0
0°-180°	5562.0	100.0



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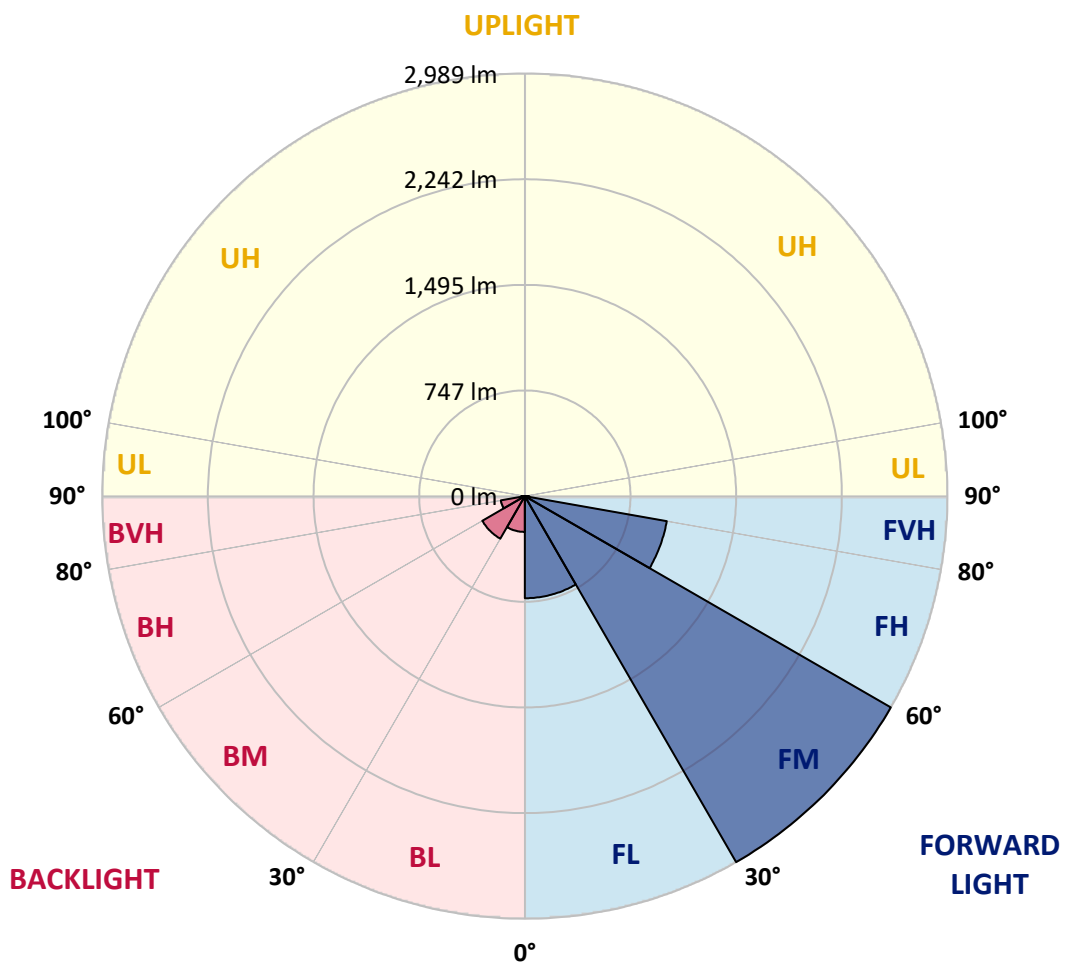
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	721.9	13.0			
FM (30°-60°)	2989.1	53.7			
FH (60°-80°)	1019.3	18.3			G1/1800
FVH (80°-90°)	32.1	0.6			G1/100
BL (0°-30°)	253.1	4.6	B1/500		
BM (30°-60°)	347.5	6.2	B1/1000		
BH (60°-80°)	172.5	3.1	B1/500		G1/500
BVH (80°-90°)	26.4	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°	1233.5	1233.5	1233.5	1233.5	1233.5	1233.5	1233.5	1233.5	1233.5	1233.5	1233.5
2.5°	1435.5	1430.2	1430.2	1416.9	1397.2	1369.8	1337.1	1329.1	1316.6	1284.7	1243.6
5°	1654.4	1648.7	1641.1	1617.7	1581.0	1526.2	1457.2	1444.8	1400.0	1334.3	1260.1
7.5°	1799.1	1795.9	1793.4	1773.3	1737.0	1683.0	1590.7	1576.6	1500.8	1391.9	1275.8
10°	1784.2	1793.8	1810.8	1824.9	1832.1	1804.3	1717.7	1701.1	1607.2	1458.9	1299.2
12.5°	1644.3	1658.0	1689.4	1747.1	1813.6	1867.2	1818.0	1808.8	1720.9	1529.8	1328.7
15°	1540.3	1545.9	1561.3	1604.0	1703.1	1846.3	1895.8	1887.4	1826.9	1620.9	1362.5
17.5°	1508.0	1510.5	1514.1	1528.2	1595.9	1764.4	1927.7	1935.7	1929.7	1715.6	1400.8
20°	1524.2	1525.8	1526.2	1528.6	1560.8	1695.9	1919.2	1932.9	2020.0	1810.4	1438.7
22.5°	1586.2	1584.2	1581.4	1572.1	1590.3	1683.8	1896.6	1918.4	2089.7	1896.6	1473.8
25°	1694.7	1691.9	1672.1	1652.8	1660.4	1727.3	1884.5	1907.9	2144.2	1978.1	1499.6
27.5°	1823.7	1820.9	1800.7	1764.0	1756.0	1799.9	1912.8	1927.3	2184.1	2050.2	1510.9
30°	1957.5	1957.5	1932.5	1890.2	1864.4	1882.9	1964.8	1976.5	2214.3	2120.0	1518.1
32.5°	2103.4	2107.5	2068.8	2020.4	1991.8	1980.9	2037.7	2047.8	2258.2	2202.2	1533.4
35°	2290.9	2282.0	2234.9	2171.2	2125.2	2100.6	2128.0	2139.7	2322.7	2304.6	1558.0
37.5°	2501.7	2486.0	2427.9	2351.8	2271.5	2230.4	2248.6	2251.4	2418.3	2438.0	1602.8
40°	2675.9	2673.0	2623.9	2551.7	2450.5	2395.3	2386.4	2388.0	2550.9	2596.0	1670.5
42.5°	2822.6	2812.1	2803.2	2777.8	2670.6	2579.9	2543.6	2544.0	2694.8	2759.3	1738.6
45°	2887.5	2885.5	2911.7	2977.0	2900.0	2793.2	2741.6	2748.8	2859.7	2927.0	1804.3
47.5°	2859.7	2861.3	2931.4	3102.8	3148.3	3066.5	2975.0	2970.5	3019.3	3055.6	1862.4
50°	2611.4	2637.6	2827.4	3114.4	3311.2	3351.9	3248.7	3232.2	3159.2	3158.0	1897.9
52.5°	2423.9	2422.7	2539.2	2995.5	3368.8	3609.5	3516.7	3479.7	3274.9	3215.6	1900.7
55°	2170.8	2169.1	2255.8	2647.6	3254.3	3789.3	3769.5	3723.1	3380.9	3234.6	1881.3
57.5°	1643.9	1674.5	1760.8	2119.6	2891.5	3760.6	4011.0	3972.3	3484.5	3226.1	1877.7
60°	894.5	890.9	1015.8	1381.5	2213.9	3435.7	4116.2	4114.2	3594.5	3222.9	1899.9
62.5°	412.4	408.4	433.3	615.1	1269.4	2752.4	3913.0	3942.0	3696.5	3193.5	1897.9
65°	308.4	297.9	264.0	286.2	485.7	1643.1	3323.7	3401.1	3539.3	3072.5	1810.0
67.5°	274.9	264.8	225.3	211.2	243.9	579.7	2411.0	2482.4	2959.6	2846.0	1667.7
70°	251.9	243.1	203.6	181.4	183.0	256.8	1262.1	1402.4	2169.1	2375.1	1421.4
72.5°	229.8	222.1	186.2	159.6	154.0	169.7	430.1	518.8	1349.2	1731.0	1059.8
75°	206.4	199.1	167.7	143.1	132.2	125.8	204.8	220.5	713.5	955.8	568.8
77.5°	179.4	175.4	149.6	126.2	116.9	95.1	136.3	143.1	305.6	375.3	270.9
80°	156.0	152.8	133.4	114.5	104.8	73.4	93.9	98.8	150.8	187.4	151.6
82.5°	101.6	109.6	110.5	98.4	92.3	58.9	62.1	65.7	100.0	110.5	66.1
85°	41.9	50.8	76.2	67.7	64.1	50.0	41.1	41.9	61.3	64.5	23.8
87.5°	18.9	21.0	37.5	37.9	33.1	18.9	20.6	22.6	31.4	31.0	10.5
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°	1233.5	1233.5	1233.5	1233.5	1233.5	1233.5	1233.5	1233.5	1233.5	1233.5	1233.5
2.5°	1232.3	1213.8	1180.7	1138.4	1108.2	1086.0	1061.8	1044.1	1024.3	1007.0	1009.8
5°	1229.5	1193.6	1119.4	1040.8	964.2	901.4	849.0	810.3	770.3	754.6	752.6
7.5°	1231.9	1171.0	1049.3	920.7	804.2	724.0	663.1	626.4	603.5	590.2	591.0
10°	1231.1	1149.7	973.5	796.1	668.8	595.4	558.3	546.2	544.2	545.8	548.2
12.5°	1232.3	1120.7	888.5	684.1	571.6	534.1	535.7	546.6	553.5	557.9	560.7
15°	1237.6	1096.9	801.4	595.8	520.8	522.0	539.4	556.3	566.4	571.2	573.6
17.5°	1245.2	1067.0	724.0	528.9	499.5	518.0	540.6	558.7	566.4	569.2	571.2
20°	1246.0	1032.8	645.8	482.9	485.3	509.5	529.3	543.8	553.5	556.7	558.3
22.5°	1242.4	986.4	565.6	449.5	469.2	493.4	510.3	526.9	514.0	503.5	500.7
25°	1227.1	928.0	497.0	422.1	449.1	471.6	491.0	472.9	466.8	458.7	459.5
27.5°	1194.0	855.0	432.5	396.3	425.3	457.5	443.4	441.0	433.3	425.3	425.3
30°	1150.5	778.0	378.5	369.3	396.7	412.8	416.0	412.4	407.9	397.5	398.3
32.5°	1111.4	696.6	340.2	346.7	378.5	378.5	392.6	392.6	376.5	347.1	347.1
35°	1072.7	620.0	312.0	327.7	348.7	355.5	374.9	349.5	326.5	313.2	312.4
37.5°	1042.4	554.7	293.5	311.6	319.7	337.0	337.4	318.9	311.2	299.1	297.9
40°	1024.7	499.9	282.2	303.5	304.3	320.5	293.9	299.1	297.5	288.2	287.0
42.5°	1015.0	457.5	273.7	296.7	292.7	276.9	272.1	281.0	283.8	279.0	276.9
45°	1007.4	424.5	266.9	272.9	283.4	254.8	252.8	259.6	265.7	265.2	263.6
47.5°	1003.3	401.5	260.8	258.0	260.0	241.5	237.4	240.7	248.3	253.2	252.8
50°	987.6	383.8	251.9	242.7	229.8	229.8	227.8	227.8	237.0	246.7	247.5
52.5°	959.8	362.8	239.0	228.2	213.2	219.7	220.5	218.9	228.6	239.0	239.9
55°	929.2	347.1	221.7	214.9	199.5	210.4	214.1	212.4	218.9	226.1	225.7
57.5°	929.6	346.7	206.8	201.6	186.6	198.7	207.6	208.0	207.6	212.8	212.8
60°	953.0	354.7	195.1	183.8	171.7	186.2	200.7	200.7	197.9	205.6	206.4
62.5°	959.8	353.9	187.9	166.9	158.4	175.0	190.7	193.1	191.1	202.0	203.2
65°	899.3	335.0	180.6	151.6	146.3	162.5	178.2	185.0	183.0	197.1	198.7
67.5°	815.5	310.4	169.3	137.9	133.8	150.4	165.3	172.5	172.1	190.7	191.5
70°	703.0	280.2	155.2	123.8	121.7	136.3	149.6	157.2	160.8	182.2	181.8
72.5°	544.6	240.3	133.8	108.8	108.4	121.7	133.4	141.9	148.7	169.3	169.3
75°	351.1	189.1	109.2	94.3	92.7	105.2	117.3	127.0	147.9	180.6	180.2
77.5°	214.5	144.3	87.9	78.6	78.2	89.5	101.6	118.1	161.6	160.8	156.4
80°	128.6	103.6	70.1	62.9	62.9	73.4	86.7	126.6	134.2	153.2	144.7
82.5°	66.9	63.7	52.4	46.4	48.4	57.6	79.0	101.2	109.6	93.1	85.5
85°	27.4	33.9	32.2	29.4	30.6	39.9	76.2	81.0	64.9	68.1	68.5
87.5°	9.3	14.9	14.9	11.7	12.9	28.2	45.1	27.0	32.7	19.3	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)