

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: P670802

Luminaire Tested: **CCP-SA-2E-730-U-T3**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P670802
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-730-U-T3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T3
distribution lens
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

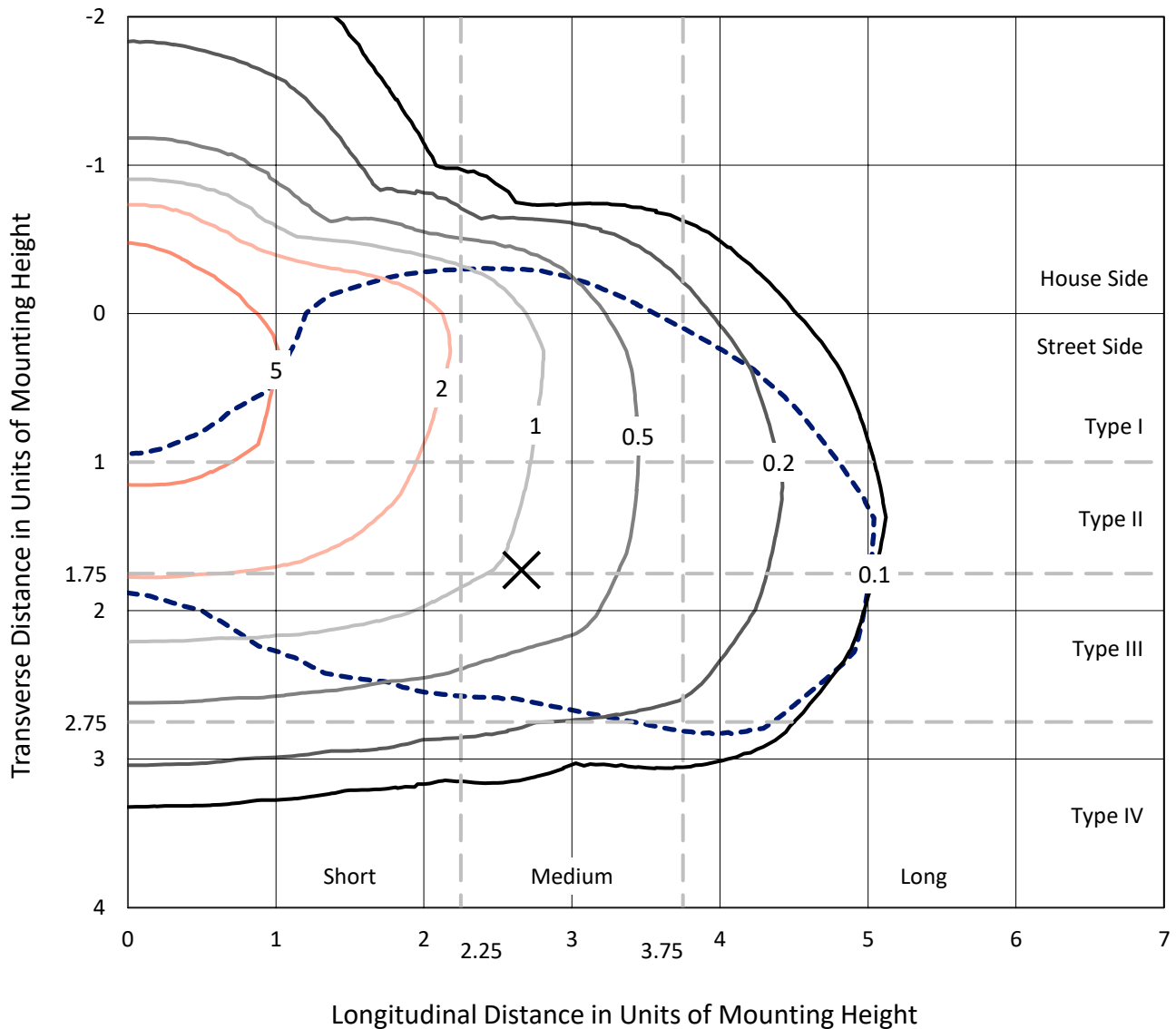
Lumens per Lamp: N/A
Luminaire Lumens: 12580 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 106.6
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

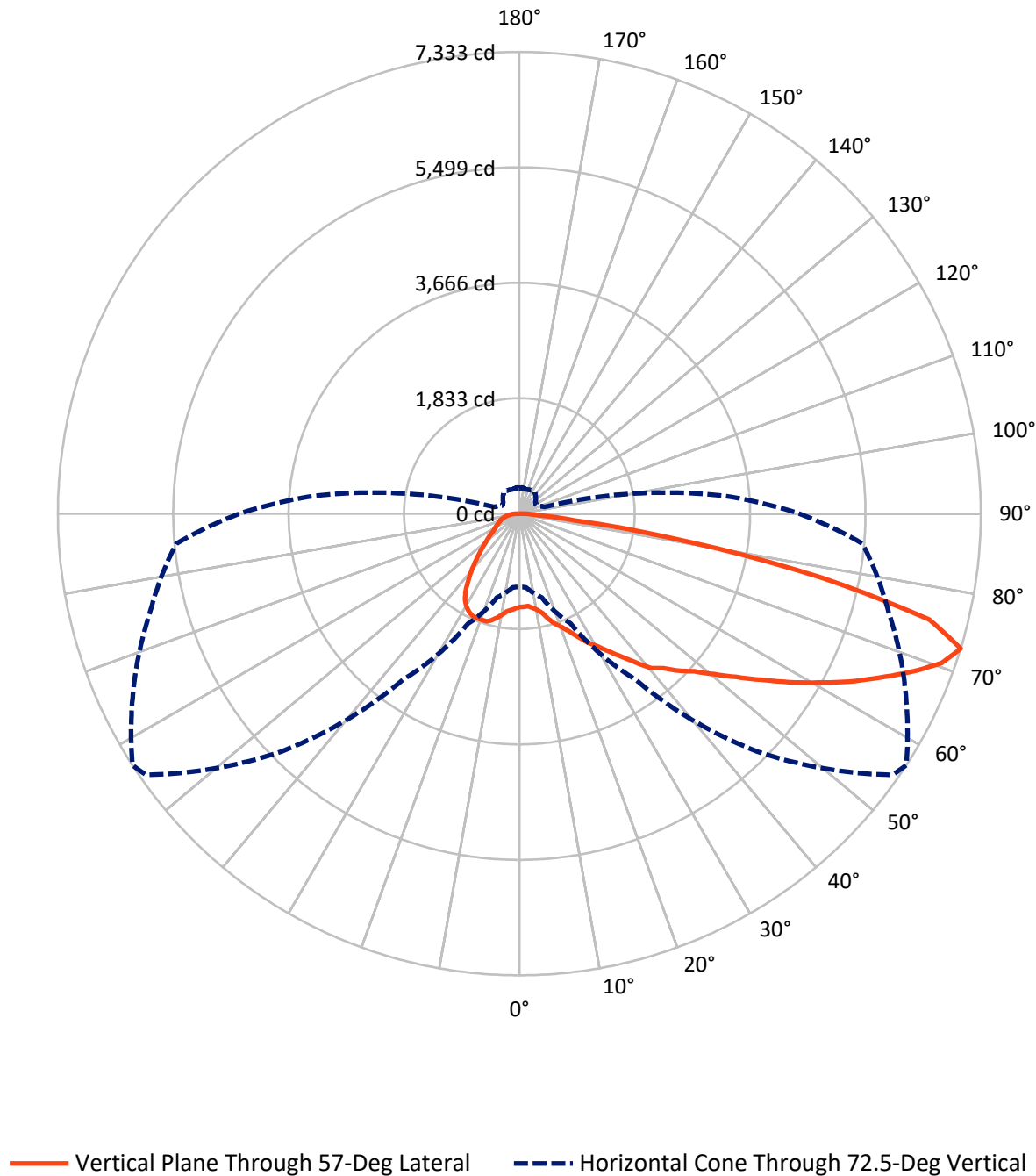
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2937.9	0.0	2937.9
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	9642.1	0.0	9642.1
	% Fixture	76.6	0.0	76.6
Total	Lumens	12580.0	0.0	12580.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.4	1.2
10°-20°	496.7	3.9
20°-30°	908.0	7.2
30°-40°	1332.2	10.6
40°-50°	1834.2	14.6
50°-60°	2515.3	20.0
60°-70°	3032.1	24.1
70°-80°	2019.8	16.1
80°-90°	294.2	2.3
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°	12580.0	100.0
0°-180°	12580.0	100.0

Coefficient of Utilization



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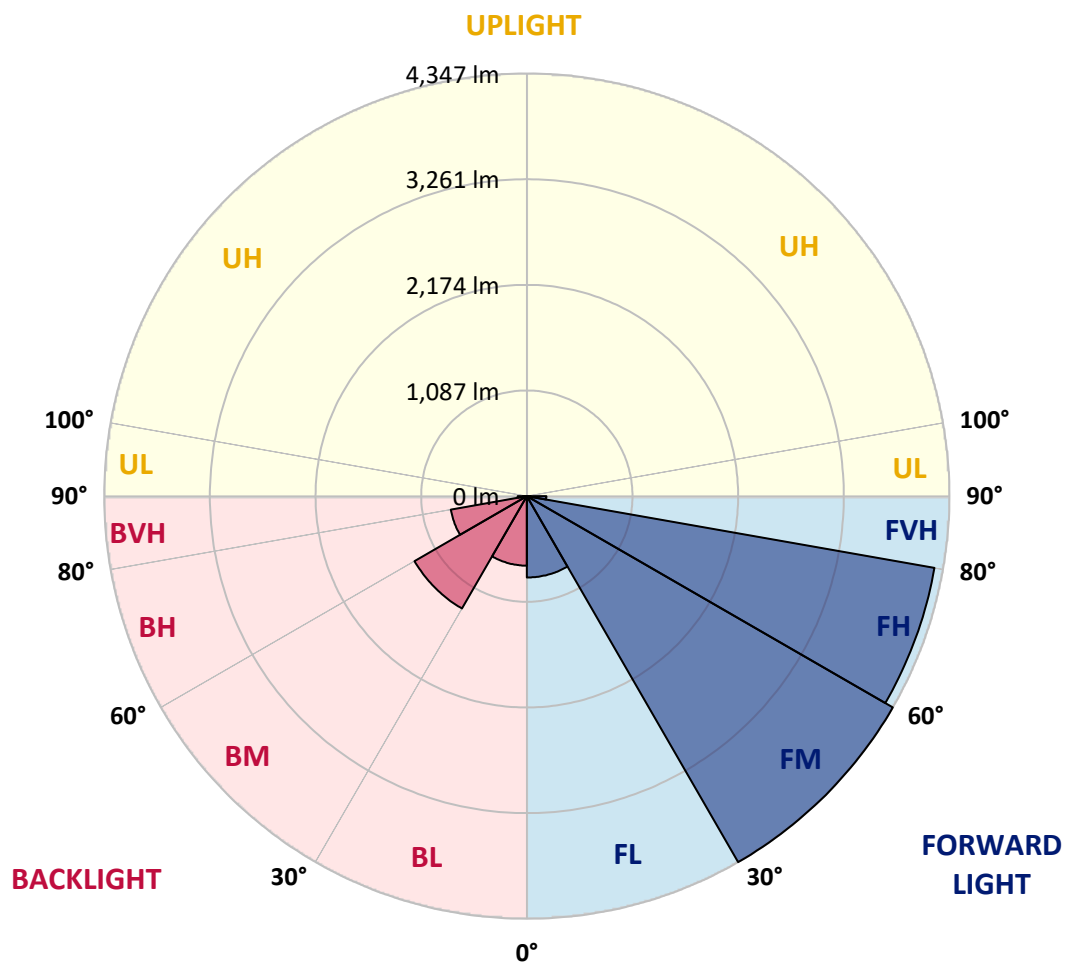
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	836.9	6.7			
FM	(30°-60°)	4347.4	34.6			
FH	(60°-80°)	4257.5	33.8			G2/5000
FVH	(80°-90°)	200.3	1.6			G2/225
BL	(0°-30°)	715.3	5.7	B2/1000		
BM	(30°-60°)	1334.4	10.6	B2/2500		
BH	(60°-80°)	794.3	6.3	B2/1000		G2/1000
BVH	(80°-90°)	93.9	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1484.8	1484.8	1484.8	1484.8	1484.8	1484.8	1484.8	1484.8	1484.8	1484.8	1484.8
2.5°	1457.3	1461.9	1471.1	1466.5	1466.5	1452.8	1475.7	1480.3	1471.1	1475.7	1484.8
5°	1457.3	1466.5	1480.3	1471.1	1475.7	1471.1	1461.9	1475.7	1475.7	1480.3	1494.0
7.5°	1535.3	1530.7	1530.7	1516.9	1512.3	1507.8	1512.3	1512.3	1503.2	1507.8	1507.8
10°	1622.3	1622.3	1613.2	1613.2	1604.0	1581.1	1558.2	1553.6	1539.8	1544.4	1544.4
12.5°	1714.0	1723.1	1732.3	1704.8	1695.6	1659.0	1645.2	1617.7	1617.7	1608.6	1604.0
15°	1828.6	1814.8	1824.0	1814.8	1791.9	1755.2	1732.3	1736.9	1704.8	1695.6	1681.9
17.5°	1929.4	1934.0	1920.2	1911.0	1869.8	1842.3	1846.9	1842.3	1801.1	1787.3	1764.4
20°	2048.5	2043.9	2043.9	2016.4	1979.8	1943.1	1929.4	1924.8	1934.0	1906.5	1851.5
22.5°	2172.3	2153.9	2153.9	2131.0	2080.6	2057.7	2048.5	2030.2	2039.4	2016.4	1934.0
25°	2273.1	2273.1	2305.2	2259.3	2231.8	2186.0	2167.7	2172.3	2176.8	2131.0	2034.8
27.5°	2406.0	2383.1	2415.2	2392.2	2378.5	2328.1	2305.2	2318.9	2309.7	2259.3	2126.4
30°	2575.6	2580.1	2561.8	2529.7	2511.4	2474.7	2461.0	2447.2	2461.0	2396.8	2227.3
32.5°	2786.4	2800.1	2754.3	2717.6	2685.5	2648.9	2621.4	2607.6	2621.4	2525.1	2305.2
35°	3029.3	3043.0	3006.3	2965.1	2928.4	2836.8	2813.9	2790.9	2740.5	2584.7	2378.5
37.5°	3253.8	3235.5	3226.3	3226.3	3157.6	3024.7	3010.9	2997.2	2900.9	2703.9	2479.3
40°	3405.0	3428.0	3418.8	3409.6	3400.5	3276.7	3249.2	3226.3	3065.9	2882.6	2621.4
42.5°	3574.6	3560.9	3597.5	3611.3	3579.2	3542.5	3432.5	3354.6	3212.6	3065.9	2832.2
45°	3776.3	3767.1	3780.8	3831.3	3785.4	3799.2	3615.9	3560.9	3382.1	3295.1	3098.0
47.5°	3955.0	3977.9	4046.6	4060.4	4023.7	4087.9	3831.3	3744.2	3629.6	3560.9	3373.0
50°	4032.9	4060.4	4216.2	4312.4	4317.0	4417.9	4046.6	4010.0	3854.2	3881.7	3716.7
52.5°	3968.7	4055.8	4243.7	4495.8	4651.6	4752.4	4330.8	4312.4	4170.4	4257.5	4092.5
55°	4028.3	4110.8	4234.5	4587.4	4981.5	5004.5	4724.9	4656.2	4514.1	4633.2	4482.0
57.5°	4055.8	4010.0	4243.7	4688.2	5224.4	5284.0	5100.7	5050.3	4940.3	5054.9	4967.8
60°	3840.4	3895.4	4115.4	4660.7	5238.2	5581.9	5522.3	5449.0	5348.2	5453.6	5403.2
62.5°	3597.5	3634.2	3872.5	4495.8	5316.1	5797.3	5930.2	5875.2	5733.1	5824.8	5911.9
65°	3290.5	3295.1	3560.9	4202.5	5164.9	5921.0	6287.7	6283.1	6182.2	6159.3	6296.8
67.5°	2914.7	2951.3	3162.2	3890.8	4958.6	6058.5	6640.5	6709.3	6507.6	6328.9	6379.3
70°	2236.4	2273.1	2474.7	3189.7	4537.0	6017.3	7075.9	7112.6	6718.4	6264.7	6136.4
72.5°	1164.0	1173.2	1379.4	1924.8	3217.2	5343.6	7236.3	7332.5	6773.4	6076.8	5471.9
75°	385.0	385.0	472.0	733.3	1516.9	3418.8	6553.5	6727.6	6503.0	5609.4	4477.4
77.5°	229.1	233.7	279.6	366.6	604.9	1365.7	4619.5	4926.5	5320.7	4770.7	3272.1
80°	165.0	169.6	210.8	252.1	362.0	440.0	2318.9	2745.1	3267.6	3070.5	1746.1
82.5°	123.7	123.7	165.0	187.9	247.5	261.2	646.2	884.5	1411.5	1099.9	481.2
85°	128.3	128.3	128.3	132.9	169.6	151.2	270.4	288.7	412.5	362.0	132.9
87.5°	45.8	50.4	128.3	87.1	87.1	64.2	105.4	114.6	146.7	151.2	50.4
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°	1484.8	1484.8	1484.8	1484.8	1484.8	1484.8	1484.8	1484.8	1484.8	1484.8	1484.8
2.5°	1489.4	1489.4	1494.0	1494.0	1503.2	1512.3	1526.1	1516.9	1516.9	1521.5	1516.9
5°	1484.8	1489.4	1503.2	1526.1	1535.3	1539.8	1567.3	1567.3	1567.3	1576.5	1576.5
7.5°	1503.2	1512.3	1535.3	1558.2	1562.7	1576.5	1613.2	1622.3	1645.2	1654.4	1659.0
10°	1549.0	1562.7	1581.1	1608.6	1626.9	1645.2	1672.7	1704.8	1700.2	1727.7	1732.3
12.5°	1617.7	1613.2	1645.2	1672.7	1691.1	1718.6	1727.7	1727.7	1727.7	1727.7	1736.9
15°	1672.7	1681.9	1709.4	1727.7	1750.6	1746.1	1727.7	1709.4	1714.0	1709.4	1709.4
17.5°	1755.2	1755.2	1778.1	1782.7	1791.9	1746.1	1718.6	1718.6	1732.3	1732.3	1723.1
20°	1837.7	1833.1	1842.3	1837.7	1778.1	1723.1	1718.6	1723.1	1727.7	1723.1	1718.6
22.5°	1915.6	1906.5	1892.7	1874.4	1769.0	1718.6	1709.4	1686.5	1663.6	1663.6	1649.8
25°	1984.4	1975.2	1938.5	1883.5	1764.4	1691.1	1645.2	1590.2	1562.7	1549.0	1567.3
27.5°	2048.5	2030.2	1979.8	1883.5	1723.1	1617.7	1530.7	1461.9	1439.0	1420.7	1439.0
30°	2135.6	2103.5	2034.8	1869.8	1659.0	1503.2	1384.0	1301.5	1278.6	1251.1	1260.3
32.5°	2213.5	2140.2	2080.6	1828.6	1576.5	1374.9	1237.4	1154.9	1113.6	1090.7	1109.0
35°	2296.0	2222.7	2098.9	1764.4	1448.2	1219.0	1081.5	1003.6	971.6	939.5	939.5
37.5°	2378.5	2337.2	2126.4	1645.2	1292.4	1072.4	948.6	889.1	834.1	774.5	774.5
40°	2552.6	2497.6	2158.5	1507.8	1136.5	930.3	843.2	765.3	710.3	627.8	623.3
42.5°	2736.0	2616.8	2158.5	1342.8	999.1	829.5	747.0	664.5	563.7	513.3	517.9
45°	2969.7	2832.2	2098.9	1196.1	861.6	747.0	655.3	549.9	504.1	472.0	472.0
47.5°	3263.0	3047.6	2025.6	1035.7	751.6	673.7	559.1	494.9	462.9	435.4	430.8
50°	3611.3	3244.6	1934.0	898.2	659.9	604.9	508.7	458.3	430.8	412.5	412.5
52.5°	3977.9	3533.4	1869.8	774.5	586.6	513.3	472.0	440.0	417.0	403.3	398.7
55°	4349.1	3822.1	1824.0	641.6	517.9	472.0	462.9	435.4	426.2	412.5	403.3
57.5°	4766.2	4060.4	1814.8	549.9	462.9	453.7	472.0	449.1	435.4	421.6	407.9
60°	5215.3	4381.2	1732.3	476.6	435.4	444.5	458.3	435.4	426.2	412.5	403.3
62.5°	5659.8	4619.5	1507.8	421.6	407.9	417.0	435.4	417.0	403.3	407.9	412.5
65°	5843.1	4637.8	1168.6	380.4	375.8	380.4	407.9	403.3	389.5	417.0	417.0
67.5°	5659.8	4472.8	824.9	343.7	343.7	366.6	412.5	421.6	407.9	444.5	440.0
70°	5242.8	4065.0	559.1	320.8	330.0	389.5	426.2	417.0	398.7	444.5	435.4
72.5°	4449.9	3253.8	407.9	297.9	311.6	371.2	421.6	412.5	398.7	417.0	398.7
75°	3340.9	2314.3	320.8	270.4	275.0	334.5	435.4	412.5	375.8	366.6	352.9
77.5°	2231.8	1429.8	247.5	238.3	238.3	293.3	417.0	385.0	339.1	325.4	320.8
80°	1063.2	572.9	197.1	201.6	206.2	252.1	380.4	343.7	307.1	288.7	288.7
82.5°	339.1	215.4	165.0	165.0	165.0	206.2	316.2	288.7	265.8	252.1	229.1
85°	119.2	119.2	142.1	146.7	132.9	151.2	261.2	247.5	220.0	183.3	178.7
87.5°	45.8	68.7	96.2	114.6	82.5	105.4	187.9	174.1	160.4	119.2	114.6
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)