

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: P670702

Luminaire Tested: **CCP-SA-2E-760-U-T2**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P670702
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-760-U-T2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T2 distribution lens
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

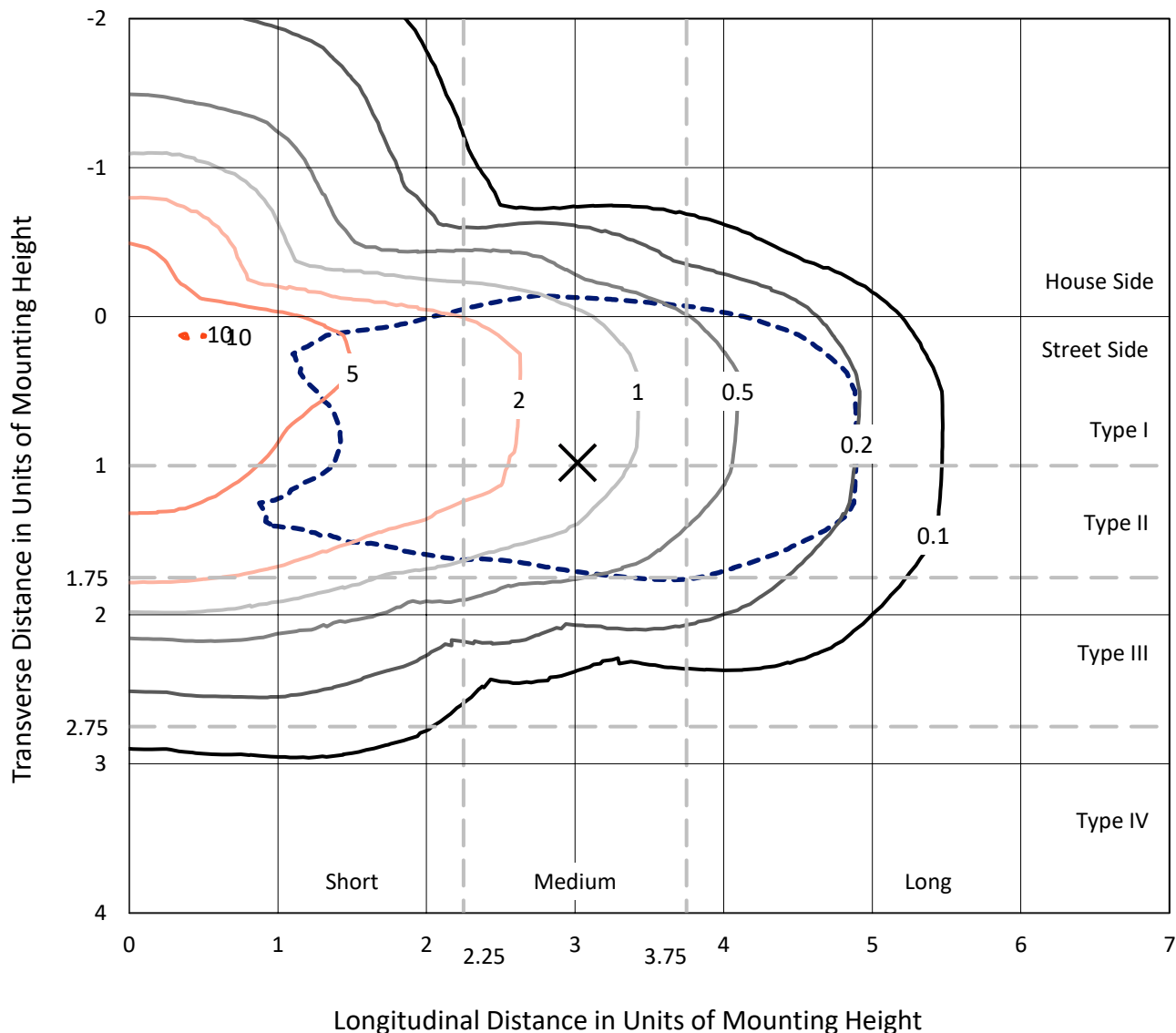
Lumens per Lamp: N/A
Luminaire Lumens: 13951.3 lumens
Efficiency: N/A
Efficacy: 130.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G3

Input Watts (W): 106.6
Input Voltage (V): 120
Input Current (A_{in}): 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

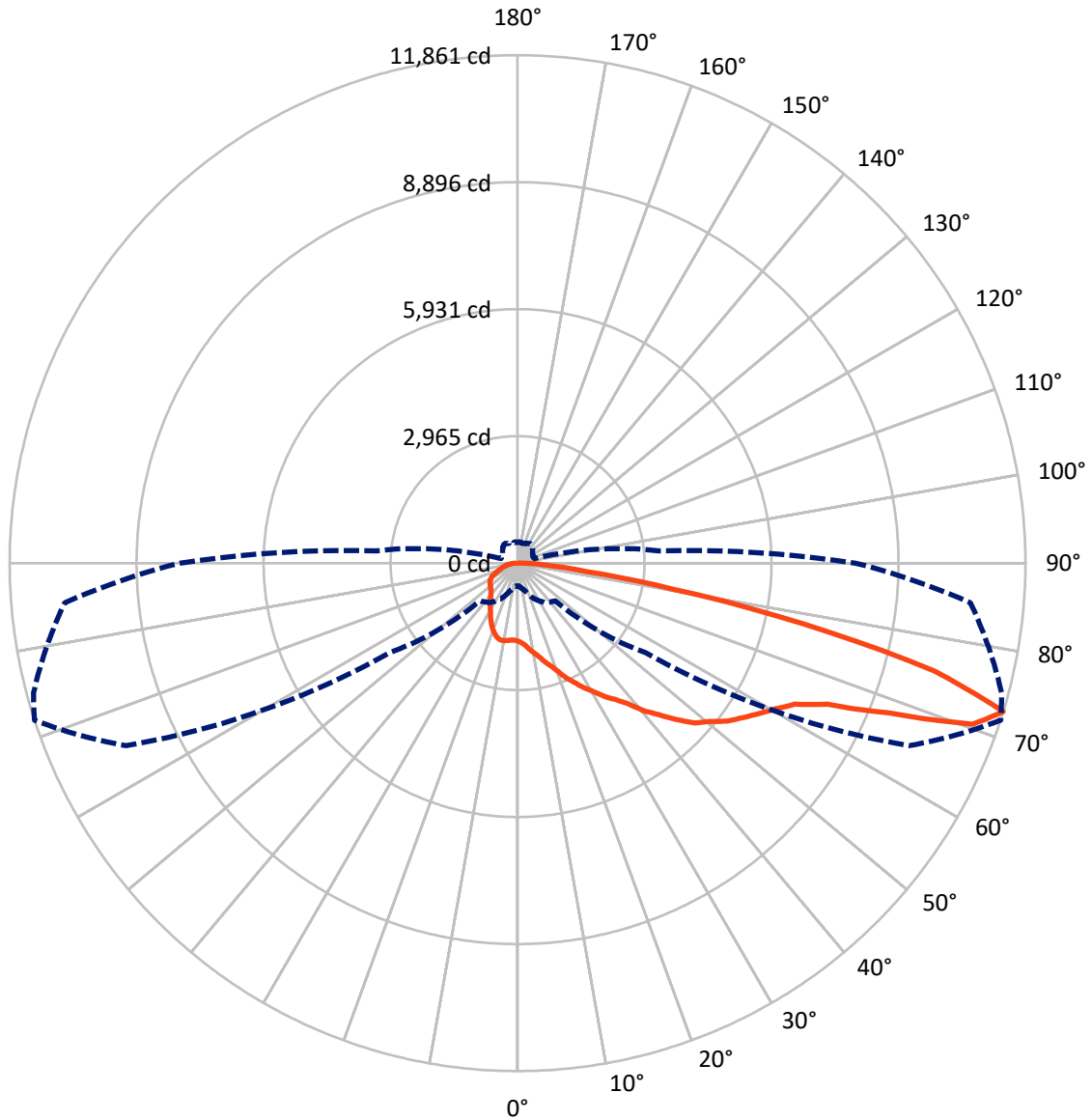
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 10.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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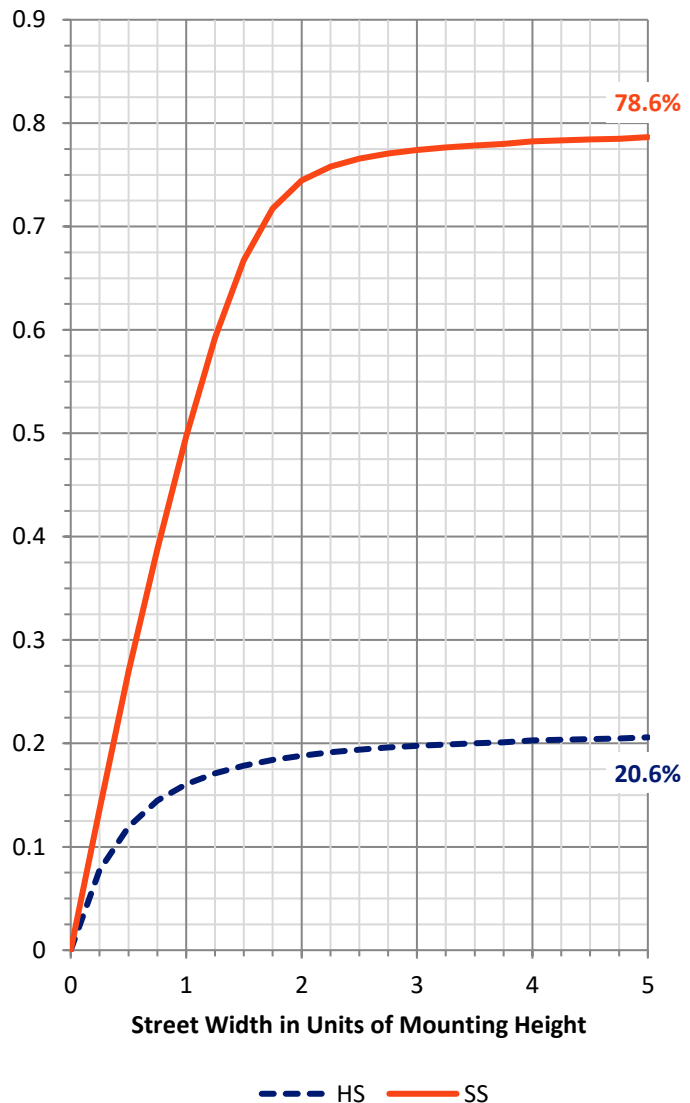
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2936.1	0.0	2936.1
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	11015.2	0.0	11015.2
	% Fixture	79.0	0.0	79.0
Total	Lumens	13951.3	0.0	13951.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.2	1.3
10°-20°	559.9	4.0
20°-30°	968.8	6.9
30°-40°	1431.0	10.3
40°-50°	2128.0	15.3
50°-60°	2917.3	20.9
60°-70°	3164.5	22.7
70°-80°	2231.0	16.0
80°-90°	370.7	2.7
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°	13951.3	100.0
0°-180°	13951.3	100.0



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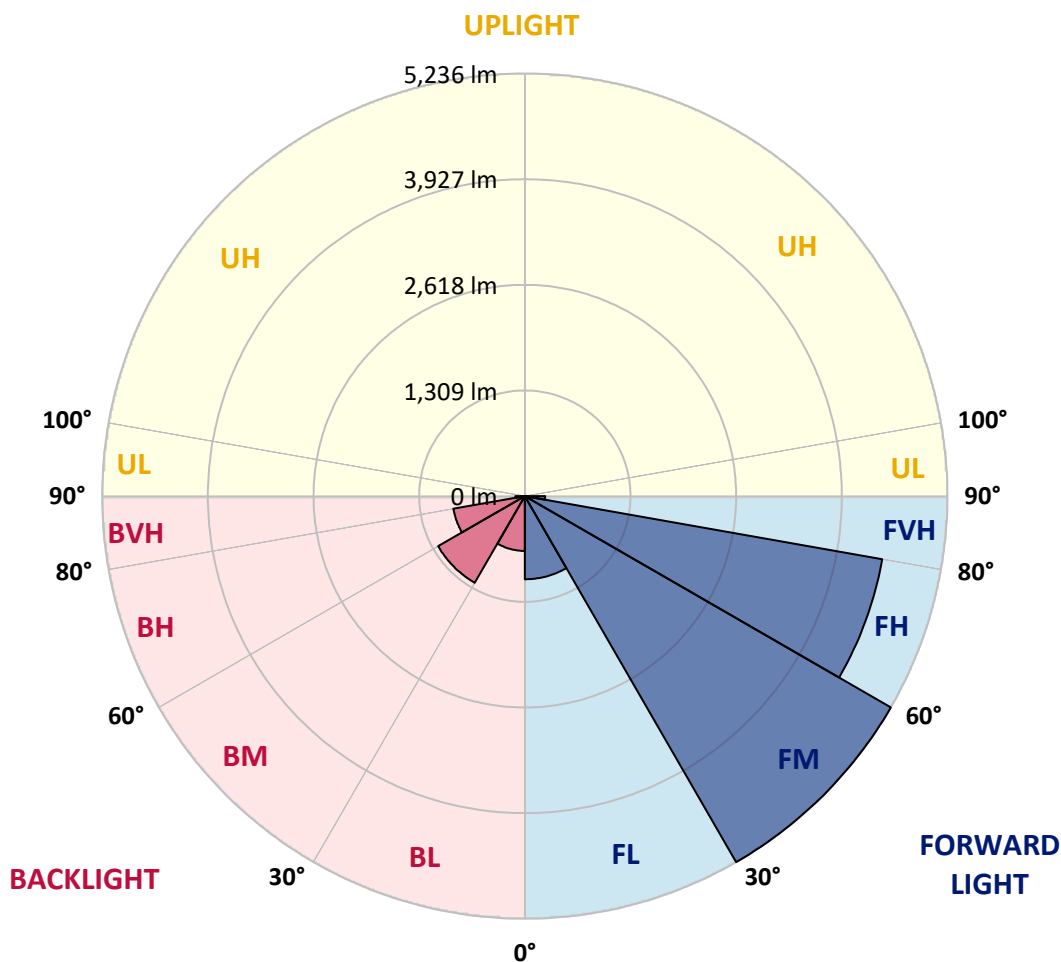
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1030.2	7.4			
FM (30°-60°)	5236.2	37.5			
FH (60°-80°)	4496.0	32.2			G2/5000
FVH (80°-90°)	252.7	1.8			G3/500
BL (0°-30°)	678.6	4.9	B2/1000		
BM (30°-60°)	1240.1	8.9	B2/2500		
BH (60°-80°)	899.4	6.4	B2/1000		G2/1000
BVH (80°-90°)	118.0	0.8			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	1822.4	1822.4	1822.4	1822.4	1822.4	1822.4	1822.4	1822.4	1822.4	1822.4	1822.4
2.5°	1966.6	1966.6	1951.1	1946.0	1946.0	1904.8	1909.9	1884.2	1863.6	1863.6	1843.0
5°	2069.5	2059.2	2059.2	2059.2	2033.5	2018.1	2012.9	1966.6	1930.5	1935.7	1873.9
7.5°	2095.3	2100.4	2105.6	2131.3	2115.9	2126.2	2115.9	2064.4	2038.6	2012.9	1956.3
10°	2110.7	2121.0	2121.0	2157.1	2157.1	2182.8	2198.2	2177.6	2131.3	2105.6	2012.9
12.5°	2146.8	2131.3	2151.9	2177.6	2203.4	2249.7	2296.0	2275.5	2244.6	2213.7	2110.7
15°	2146.8	2151.9	2167.3	2208.5	2249.7	2296.0	2378.4	2409.3	2393.9	2337.2	2229.1
17.5°	2085.0	2069.5	2141.6	2218.8	2296.0	2352.7	2460.8	2532.9	2522.6	2502.0	2337.2
20°	2090.1	2105.6	2131.3	2198.2	2321.8	2424.8	2558.6	2677.0	2702.7	2692.5	2481.4
22.5°	2182.8	2187.9	2213.7	2244.6	2342.4	2476.2	2677.0	2867.5	2913.8	2888.1	2641.0
25°	2275.5	2316.6	2316.6	2337.2	2373.3	2512.3	2754.2	3021.9	3088.9	3094.0	2805.7
27.5°	2424.8	2435.0	2465.9	2476.2	2507.1	2589.5	2841.7	3135.2	3289.6	3269.0	2955.0
30°	2599.8	2604.9	2625.5	2615.2	2620.4	2723.3	2924.1	3263.9	3475.0	3480.1	3114.6
32.5°	2805.7	2846.9	2857.2	2790.3	2800.6	2826.3	3052.8	3418.3	3706.6	3670.6	3253.6
35°	3109.4	3124.9	3094.0	3063.1	2985.9	2970.4	3186.7	3572.8	3907.4	3948.6	3459.5
37.5°	3485.3	3526.4	3485.3	3320.5	3238.2	3176.4	3351.4	3742.7	4149.4	4288.4	3665.4
40°	3835.3	3830.2	3789.0	3639.7	3495.6	3449.2	3588.2	3979.5	4525.2	4659.0	3964.0
42.5°	4118.5	4103.0	4077.3	3964.0	3830.2	3753.0	3861.1	4226.6	4839.2	5096.6	4309.0
45°	4365.6	4345.0	4350.1	4221.4	4092.7	4133.9	4133.9	4509.7	5209.9	5529.1	4705.4
47.5°	4597.2	4607.5	4592.1	4494.3	4396.5	4504.6	4448.0	4834.1	5575.4	5930.6	5040.0
50°	4864.9	4885.5	4834.1	4772.3	4684.8	4792.9	4720.8	5137.8	5812.2	6296.1	5441.5
52.5°	5117.2	5137.8	5184.1	5106.9	5019.4	5106.9	4942.2	5420.9	6126.2	6651.3	5750.4
55°	5179.0	5168.7	5426.1	5508.5	5554.8	5292.2	5137.8	5662.9	6373.3	6877.9	6100.5
57.5°	4895.8	4921.6	5271.6	5508.5	6002.7	5776.2	5359.2	5946.0	6630.7	7176.4	6424.8
60°	4190.5	4206.0	4643.6	5204.7	5925.5	6229.2	5956.3	6311.6	6913.9	7428.7	6790.3
62.5°	2800.6	2919.0	3464.7	4345.0	5379.8	6352.7	6908.7	6929.3	7258.8	7747.9	7289.7
65°	1477.5	1534.1	1961.4	2671.9	4077.3	5925.5	7804.5	8154.6	7948.7	8334.8	8010.4
67.5°	967.8	988.4	1220.1	1621.6	2352.7	4324.4	7907.5	10280.7	9333.5	9451.9	9163.6
70°	720.7	731.0	900.9	1199.5	1456.9	2311.5	6481.4	11274.3	11269.2	10955.1	10533.0
72.5°	530.3	545.7	664.1	916.4	1122.3	1245.8	3644.9	10085.1	11861.2	11701.6	10615.4
75°	417.0	427.3	489.1	710.4	906.1	818.5	1848.2	7469.9	10059.4	10826.4	9714.5
77.5°	339.8	350.1	386.1	514.8	725.9	633.2	885.5	4818.6	6821.2	7794.2	7433.8
80°	283.1	283.1	308.9	365.5	561.1	478.8	525.1	2707.9	3675.7	4056.7	3372.0
82.5°	242.0	236.8	257.4	267.7	417.0	344.9	339.8	1225.2	1616.5	1714.3	1266.4
85°	154.4	159.6	242.0	231.7	272.8	236.8	190.5	581.7	761.9	777.4	473.6
87.5°	61.8	61.8	103.0	128.7	154.4	144.1	92.7	262.6	334.6	334.6	133.9
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°	1822.4	1822.4	1822.4	1822.4	1822.4	1822.4	1822.4	1822.4	1822.4	1822.4	1822.4
2.5°	1837.9	1817.3	1801.8	1791.5	1765.8	1740.1	1745.2	1740.1	1719.5	1709.2	1709.2
5°	1858.5	1837.9	1812.1	1770.9	1745.2	1714.3	1724.6	1704.0	1683.4	1698.9	1673.1
7.5°	1909.9	1873.9	1837.9	1776.1	1734.9	1688.6	1668.0	1657.7	1642.2	1631.9	1631.9
10°	1982.0	1930.5	1863.6	1770.9	1704.0	1631.9	1621.6	1601.1	1585.6	1585.6	1580.5
12.5°	2054.1	1997.5	1884.2	1734.9	1621.6	1570.2	1565.0	1570.2	1580.5	1585.6	1590.8
15°	2146.8	2054.1	1879.1	1668.0	1554.7	1534.1	1559.9	1580.5	1601.1	1621.6	1616.5
17.5°	2234.3	2126.2	1832.7	1585.6	1498.1	1503.2	1549.6	1590.8	1631.9	1652.5	1657.7
20°	2352.7	2193.1	1765.8	1487.8	1441.5	1487.8	1549.6	1601.1	1647.4	1673.1	1678.3
22.5°	2486.5	2270.3	1678.3	1400.3	1395.1	1441.5	1503.2	1580.5	1631.9	1678.3	1673.1
25°	2604.9	2321.8	1565.0	1328.2	1338.5	1369.4	1441.5	1523.8	1575.3	1626.8	1611.4
27.5°	2682.2	2332.1	1446.6	1276.7	1276.7	1307.6	1374.5	1426.0	1472.4	1513.5	1518.7
30°	2769.7	2311.5	1312.8	1209.8	1209.8	1251.0	1276.7	1307.6	1333.4	1343.7	1353.9
32.5°	2872.6	2265.2	1230.4	1158.3	1158.3	1189.2	1204.7	1194.4	1189.2	1163.5	1178.9
35°	2970.4	2198.2	1137.7	1091.4	1112.0	1127.4	1122.3	1091.4	1060.5	1014.2	998.7
37.5°	3088.9	2131.3	1055.4	1019.3	1055.4	1060.5	1060.5	1024.5	983.3	926.7	926.7
40°	3269.0	2079.8	988.4	973.0	1009.0	1003.9	978.1	952.4	967.8	937.0	937.0
42.5°	3459.5	2059.2	926.7	931.8	947.2	952.4	926.7	895.8	957.5	921.5	926.7
45°	3696.3	2074.7	885.5	880.3	916.4	911.2	895.8	870.0	890.6	798.0	772.2
47.5°	3917.7	2105.6	864.9	844.3	885.5	895.8	875.2	818.5	787.7	731.0	720.7
50°	4118.5	2172.5	844.3	803.1	844.3	864.9	828.8	767.1	731.0	695.0	695.0
52.5°	4309.0	2270.3	834.0	756.8	792.8	818.5	798.0	736.2	695.0	679.5	664.1
55°	4504.6	2357.8	818.5	725.9	736.2	787.7	782.5	700.1	659.0	659.0	653.8
57.5°	4782.6	2476.2	798.0	674.4	695.0	751.6	751.6	684.7	638.4	643.5	648.7
60°	5065.7	2615.2	777.4	622.9	638.4	715.6	725.9	664.1	622.9	628.1	622.9
62.5°	5518.8	2872.6	736.2	561.1	592.0	669.3	695.0	638.4	602.3	612.6	612.6
65°	6203.5	3315.4	648.7	509.7	545.7	628.1	664.1	612.6	571.4	602.3	592.0
67.5°	7305.1	3922.8	545.7	468.5	514.8	586.9	628.1	581.7	545.7	592.0	576.6
70°	8293.6	4221.4	468.5	432.4	468.5	540.5	586.9	550.8	514.8	561.1	540.5
72.5°	7892.0	3310.2	406.7	391.3	427.3	489.1	545.7	509.7	473.6	499.4	478.8
75°	6810.9	2635.8	355.2	350.1	381.0	442.7	499.4	473.6	437.6	447.9	437.6
77.5°	5163.5	2177.6	303.7	298.6	324.3	396.4	447.9	427.3	391.3	386.1	386.1
80°	2306.3	1070.8	252.3	252.3	267.7	339.8	381.0	370.7	334.6	329.5	324.3
82.5°	756.8	406.7	205.9	195.6	216.2	283.1	339.8	329.5	293.4	283.1	272.8
85°	303.7	195.6	149.3	149.3	169.9	236.8	303.7	283.1	236.8	211.1	211.1
87.5°	103.0	82.4	77.2	77.2	108.1	159.6	226.5	190.5	169.9	149.3	154.4
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)