

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: P672093

Luminaire Tested: **CCP-SA-1F-730-U-T2R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672093  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1F-730-U-T2R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ T2R distribution lens  
Light Source: (16) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

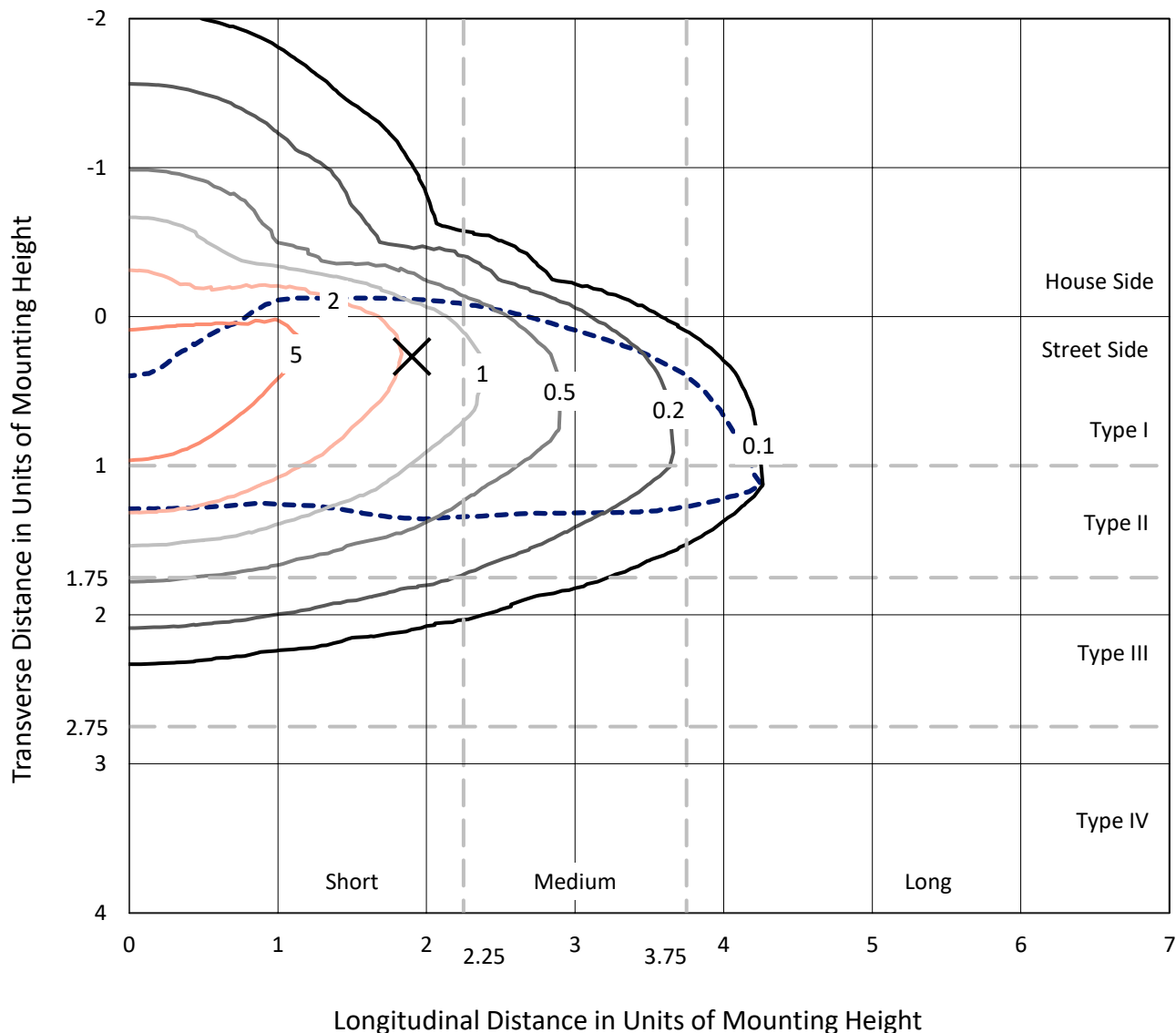
Lumens per Lamp: N/A  
Luminaire Lumens: 6935 lumens  
Efficiency: N/A  
Efficacy: 103.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

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

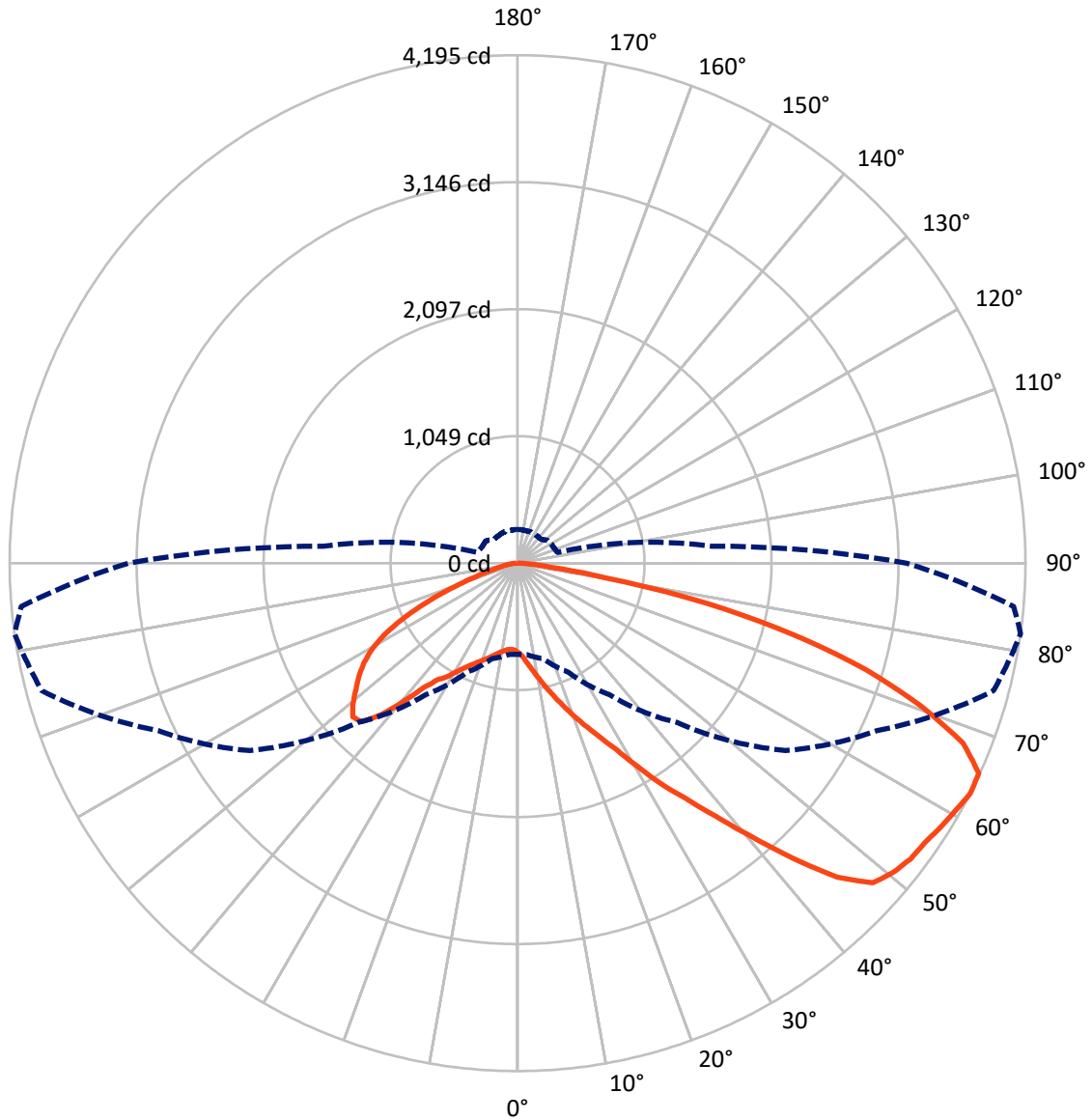
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.1 fc  
 Type II - Short - N/A

REPORT NUMBER: P672093  
CATALOG NUMBER: CCP-SA-1F-730-U-T2R

### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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 CATALOG NUMBER: CCP-SA-1F-730-U-T2R

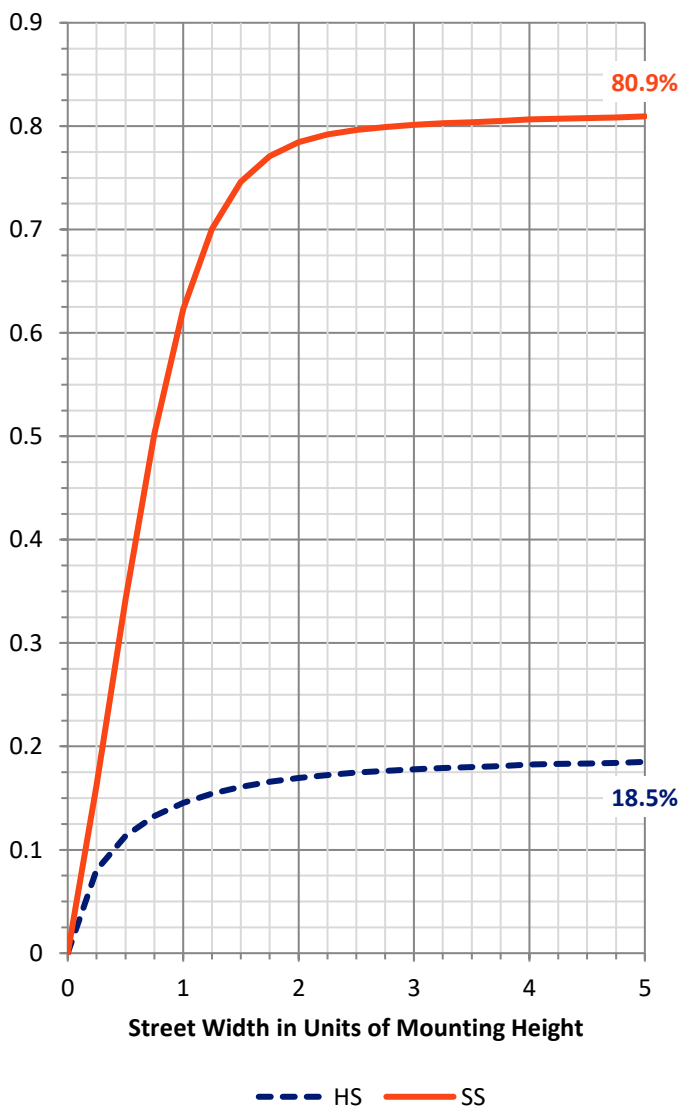
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1306.5	0.0	1306.5
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	5628.5	0.0	5628.5
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	6935.0	0.0	6935.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.6	1.2
10°-20°	307.8	4.4
20°-30°	637.5	9.2
30°-40°	1081.9	15.6
40°-50°	1473.4	21.2
50°-60°	1491.4	21.5
60°-70°	1175.4	16.9
70°-80°	579.0	8.3
80°-90°	107.1	1.5
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°	6935.0	100.0
0°-180°	6935.0	100.0



REPORT NUMBER: P672093

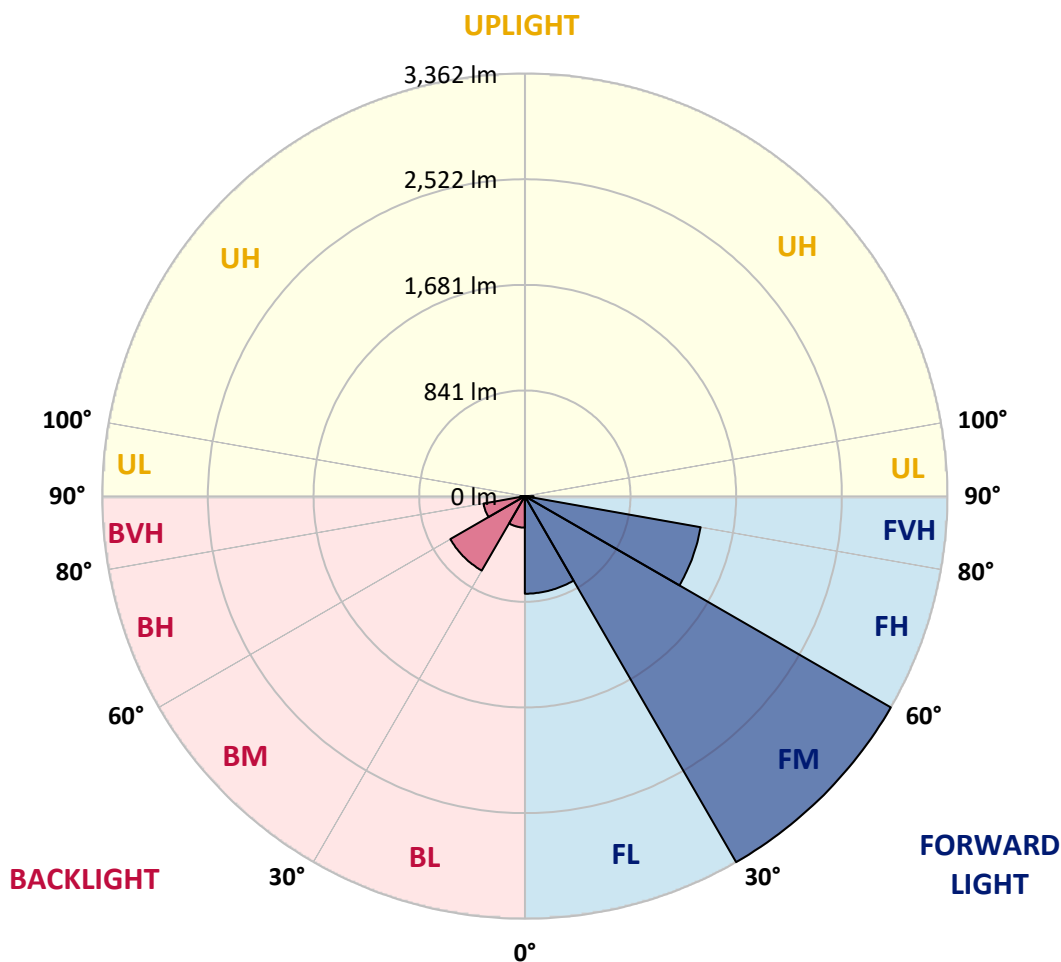
CATALOG NUMBER: CCP-SA-1F-730-U-T2R

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	776.2	11.2			
FM (30°-60°)	3362.3	48.5			
FH (60°-80°)	1420.4	20.5			G1/1800
FVH (80°-90°)	69.6	1.0			G1/100
BL (0°-30°)	250.7	3.6	B1/500		
BM (30°-60°)	684.3	9.9	B1/1000		
BH (60°-80°)	334.0	4.8	B1/500		G1/500
BVH (80°-90°)	37.5	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°	65°	75°	82°	85°
0°	737.5	737.5	737.5	737.5	737.5	737.5	737.5	737.5	737.5	737.5	737.5
2.5°	982.2	967.2	959.2	950.2	925.2	909.3	879.3	844.3	803.9	769.4	763.0
5°	1189.4	1174.4	1176.4	1154.4	1118.0	1084.0	1028.1	962.2	885.3	826.4	805.9
7.5°	1335.7	1319.2	1323.2	1314.2	1284.7	1247.3	1176.4	1091.5	979.2	891.8	858.8
10°	1433.5	1435.5	1438.5	1435.0	1416.1	1389.6	1319.2	1225.3	1085.5	969.2	924.2
12.5°	1544.4	1549.9	1548.9	1550.4	1540.4	1519.4	1450.5	1362.1	1198.9	1052.6	994.1
15°	1685.7	1680.2	1684.7	1691.2	1680.2	1657.2	1596.3	1491.5	1317.7	1145.4	1073.0
17.5°	1840.5	1829.0	1841.0	1834.5	1826.5	1811.5	1744.6	1632.8	1440.5	1245.8	1160.9
20°	1974.3	1966.8	1973.3	1974.3	1975.8	1972.8	1903.9	1785.1	1569.4	1355.1	1255.8
22.5°	2124.6	2121.1	2120.1	2120.6	2122.1	2125.6	2078.7	1951.8	1712.2	1470.0	1358.1
25°	2334.8	2331.3	2308.3	2282.9	2267.9	2278.9	2254.4	2141.1	1869.9	1598.8	1470.5
27.5°	2570.5	2565.0	2534.5	2470.1	2422.2	2430.2	2427.7	2349.8	2051.7	1746.6	1605.3
30°	2815.1	2801.7	2759.7	2669.3	2593.9	2580.0	2587.0	2561.0	2280.4	1942.8	1793.0
32.5°	3033.3	3008.4	2953.0	2861.6	2771.7	2731.3	2732.3	2743.7	2529.0	2171.5	1989.8
35°	3166.7	3150.2	3108.7	3016.4	2916.0	2889.0	2881.6	2939.0	2757.2	2383.2	2166.0
37.5°	3238.6	3222.6	3178.1	3103.8	3027.9	3016.9	3030.9	3119.7	3016.4	2647.4	2405.7
40°	3225.6	3208.6	3179.6	3127.7	3077.8	3086.3	3148.2	3285.5	3299.5	2963.4	2747.2
42.5°	3118.7	3100.8	3098.3	3094.8	3071.3	3108.7	3220.6	3406.8	3559.6	3328.4	3160.7
45°	2930.0	2919.0	2932.0	2991.9	3021.4	3093.8	3254.5	3465.8	3788.3	3699.4	3551.6
47.5°	2690.8	2684.3	2713.8	2808.7	2904.0	3047.8	3277.0	3481.7	3945.6	3945.6	3807.8
50°	2423.2	2420.7	2459.6	2597.4	2746.7	2963.4	3274.5	3496.7	4014.5	4018.0	3898.2
52.5°	2049.7	2062.7	2166.5	2348.3	2551.0	2831.1	3239.6	3538.7	4053.5	4061.4	3958.6
55°	1619.3	1631.8	1788.6	2033.2	2292.9	2670.3	3135.2	3526.2	4060.9	4078.9	3993.0
57.5°	1292.7	1295.2	1393.1	1683.7	2005.3	2464.6	3014.9	3443.3	4039.0	4117.4	4046.0
60°	1011.6	1019.6	1085.0	1315.2	1671.7	2199.5	2880.6	3361.4	4051.5	4153.8	4093.9
62.5°	753.5	755.5	816.4	994.6	1328.2	1861.5	2698.3	3274.0	4068.9	4194.8	4113.4
65°	490.8	490.3	549.2	710.0	992.1	1496.5	2412.2	3137.2	4070.4	4185.8	4024.0
67.5°	312.1	314.1	339.5	440.9	664.1	1129.5	2022.7	2883.1	3999.5	3968.1	3698.4
70°	253.2	253.7	261.6	288.1	404.4	771.9	1520.4	2485.6	3775.3	3534.2	3214.6
72.5°	225.7	226.2	230.2	233.2	269.6	463.9	997.6	2018.2	3376.9	3012.4	2666.8
75°	202.7	202.7	205.2	202.2	221.2	291.1	566.2	1517.4	2781.2	2345.8	2014.7
77.5°	177.8	177.3	177.3	175.8	191.2	212.7	283.6	1059.1	2003.3	1599.8	1306.7
80°	150.8	149.8	151.3	150.3	165.3	161.3	165.3	653.6	1086.0	733.5	556.2
82.5°	117.3	117.3	121.8	122.8	136.3	116.8	116.3	310.1	412.4	274.1	205.2
85°	61.4	68.9	92.9	96.9	102.9	73.4	85.4	144.8	165.3	104.9	74.9
87.5°	18.5	19.5	56.9	63.9	63.4	36.9	52.4	69.9	77.4	46.4	30.5
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°	737.5	737.5	737.5	737.5	737.5	737.5	737.5	737.5	737.5	737.5	737.5
2.5°	746.5	729.0	692.1	659.1	634.1	610.2	593.7	585.2	574.2	575.7	572.2
5°	769.4	733.5	668.1	615.2	579.7	552.7	536.3	527.8	519.8	515.8	518.8
7.5°	803.9	748.0	656.6	592.7	555.7	532.8	523.8	521.3	519.3	517.8	520.3
10°	848.3	773.4	654.6	584.7	550.7	536.8	533.3	531.8	529.8	527.8	529.3
12.5°	893.8	801.4	661.6	586.7	558.7	548.2	543.8	541.8	536.8	534.3	534.8
15°	950.7	835.4	671.1	594.7	569.2	555.7	549.7	544.3	536.3	532.8	534.3
17.5°	1011.6	875.8	684.1	602.2	573.2	556.7	544.8	536.8	528.8	523.8	524.3
20°	1080.5	915.7	695.5	604.7	571.2	548.2	533.8	524.3	513.8	508.3	506.8
22.5°	1151.9	957.7	704.5	602.7	560.2	533.8	517.3	505.8	493.3	484.8	485.3
25°	1238.8	1014.6	712.0	595.7	545.8	514.8	496.3	481.8	468.9	460.9	461.4
27.5°	1343.2	1079.0	721.0	584.7	528.3	494.3	472.9	458.4	445.9	438.4	437.4
30°	1482.5	1162.9	731.0	571.2	506.3	471.9	450.9	435.9	423.9	416.9	416.9
32.5°	1639.3	1265.3	738.0	555.2	481.8	447.9	428.9	416.9	407.9	398.5	397.5
35°	1775.6	1344.7	759.5	542.8	460.4	425.4	412.4	403.9	390.5	381.5	380.0
37.5°	1975.8	1484.5	822.9	539.3	434.4	407.9	405.4	389.5	374.0	357.0	355.5
40°	2298.4	1726.6	896.8	522.3	407.4	398.5	396.0	374.5	338.0	327.6	325.6
42.5°	2708.8	2018.2	904.8	472.9	388.5	390.5	383.0	341.0	325.1	317.1	315.1
45°	3079.3	2254.9	859.3	422.4	374.5	378.5	363.0	328.6	319.6	312.1	310.1
47.5°	3287.5	2327.8	773.4	384.5	364.0	368.0	331.0	322.6	313.6	306.1	304.1
50°	3345.9	2264.4	673.6	362.5	356.0	357.5	322.6	317.6	309.6	303.6	300.6
52.5°	3357.4	2169.5	581.2	349.5	350.0	336.5	315.1	311.1	306.1	296.6	293.1
55°	3362.4	2084.1	498.3	341.5	346.0	309.6	307.1	304.1	300.1	290.1	288.1
57.5°	3375.4	1974.8	433.4	335.5	341.0	297.1	298.1	296.1	291.1	286.6	285.6
60°	3338.4	1823.5	383.5	329.5	334.0	286.6	287.6	288.6	284.1	283.1	282.6
62.5°	3214.6	1608.8	341.0	321.6	319.6	276.1	276.1	280.1	276.1	277.6	277.6
65°	2959.4	1335.2	303.1	306.6	297.1	264.6	264.1	271.1	265.1	271.6	272.1
67.5°	2524.5	1010.6	264.1	283.1	273.6	252.7	254.7	260.1	252.2	265.6	265.6
70°	1998.3	687.6	223.7	250.2	249.7	239.2	245.7	245.2	236.2	256.1	252.7
72.5°	1488.5	441.4	182.3	209.7	218.2	224.7	236.7	226.2	217.7	229.2	218.7
75°	1040.1	276.6	143.8	165.8	181.8	208.7	225.7	204.7	192.2	188.7	185.7
77.5°	622.6	176.8	113.3	126.3	141.8	189.7	211.7	182.3	163.3	161.3	155.3
80°	287.1	115.3	86.4	94.4	100.9	162.8	192.7	155.8	132.8	130.8	123.8
82.5°	129.8	75.9	64.4	67.4	67.9	129.3	162.8	123.3	101.4	164.3	142.3
85°	60.4	48.9	41.9	39.9	40.4	86.4	118.3	84.9	115.3	89.9	68.4
87.5°	26.0	25.0	21.5	17.0	15.5	18.5	45.4	35.5	50.4	20.0	13.5
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)