

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: P672117

Luminaire Tested: **CCP-SA-2B-740-U-T2R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672117  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2B-740-U-T2R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T2R distribution lens  
Light Source: (32) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

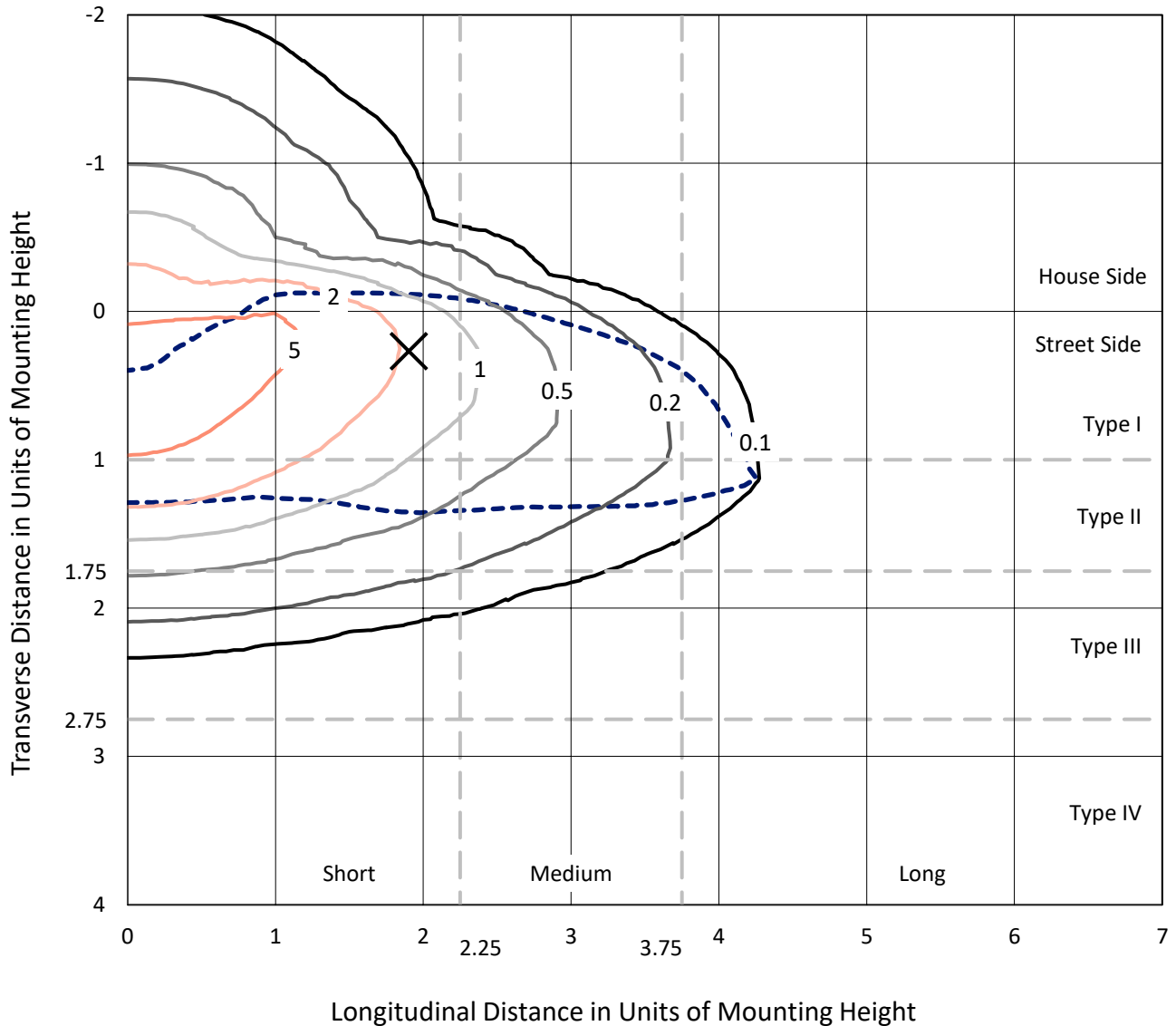
Lumens per Lamp: N/A  
Luminaire Lumens: 7015.1 lumens  
Efficiency: N/A  
Efficacy: 152.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

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

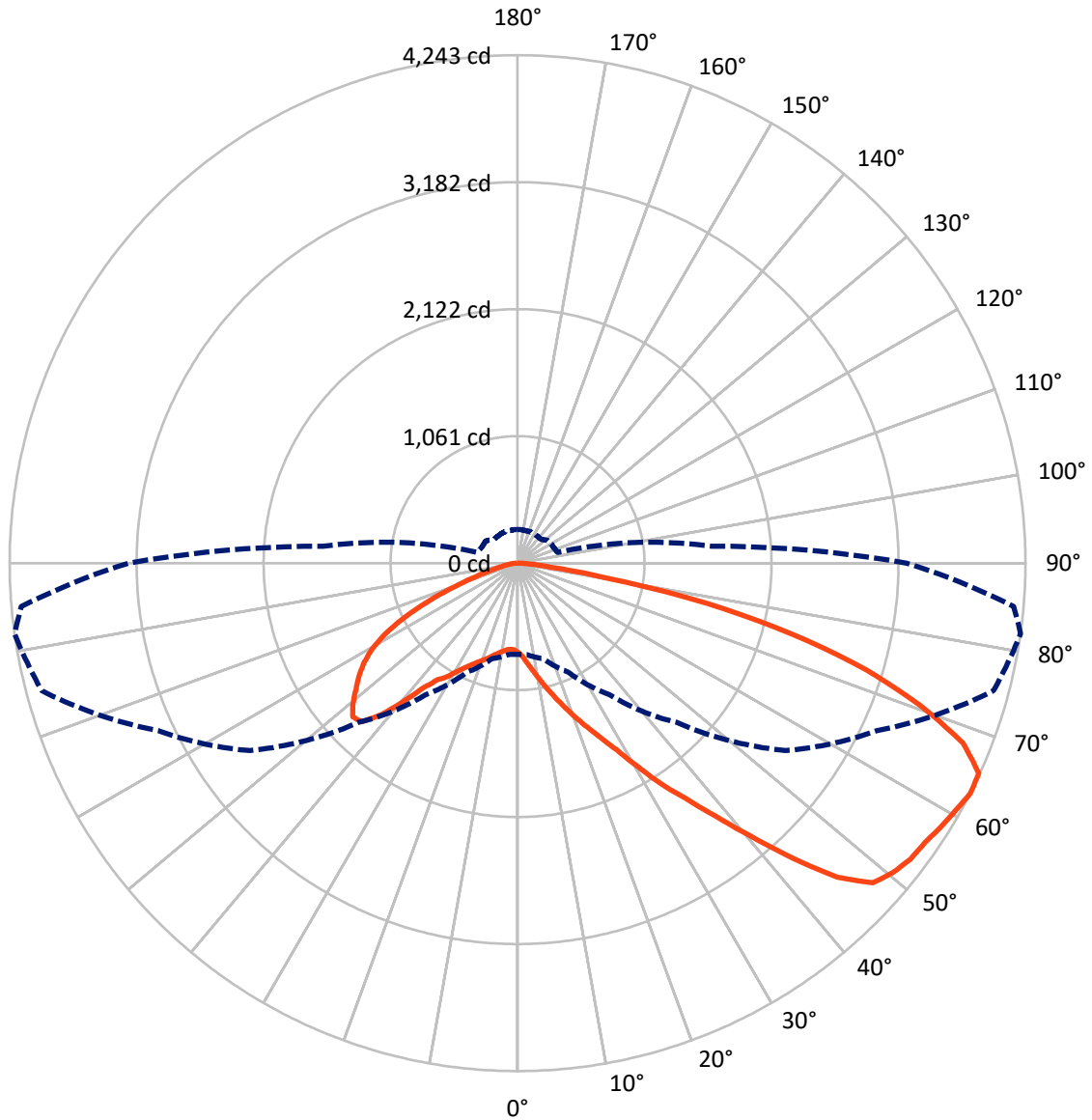
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.2 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



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

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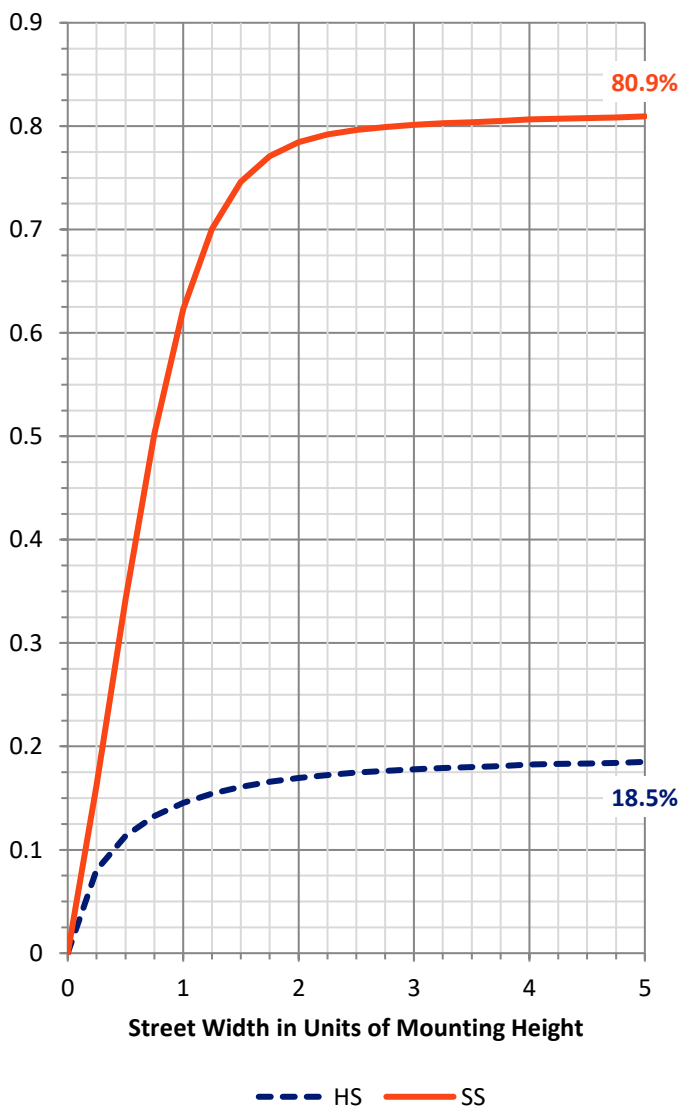
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1321.6	0.0	1321.6
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	5693.5	0.0	5693.5
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	7015.1	0.0	7015.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.5	1.2
10°-20°	311.4	4.4
20°-30°	644.8	9.2
30°-40°	1094.4	15.6
40°-50°	1490.4	21.2
50°-60°	1508.6	21.5
60°-70°	1188.9	16.9
70°-80°	585.7	8.3
80°-90°	108.3	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°	7015.1	100.0
0°-180°	7015.1	100.0

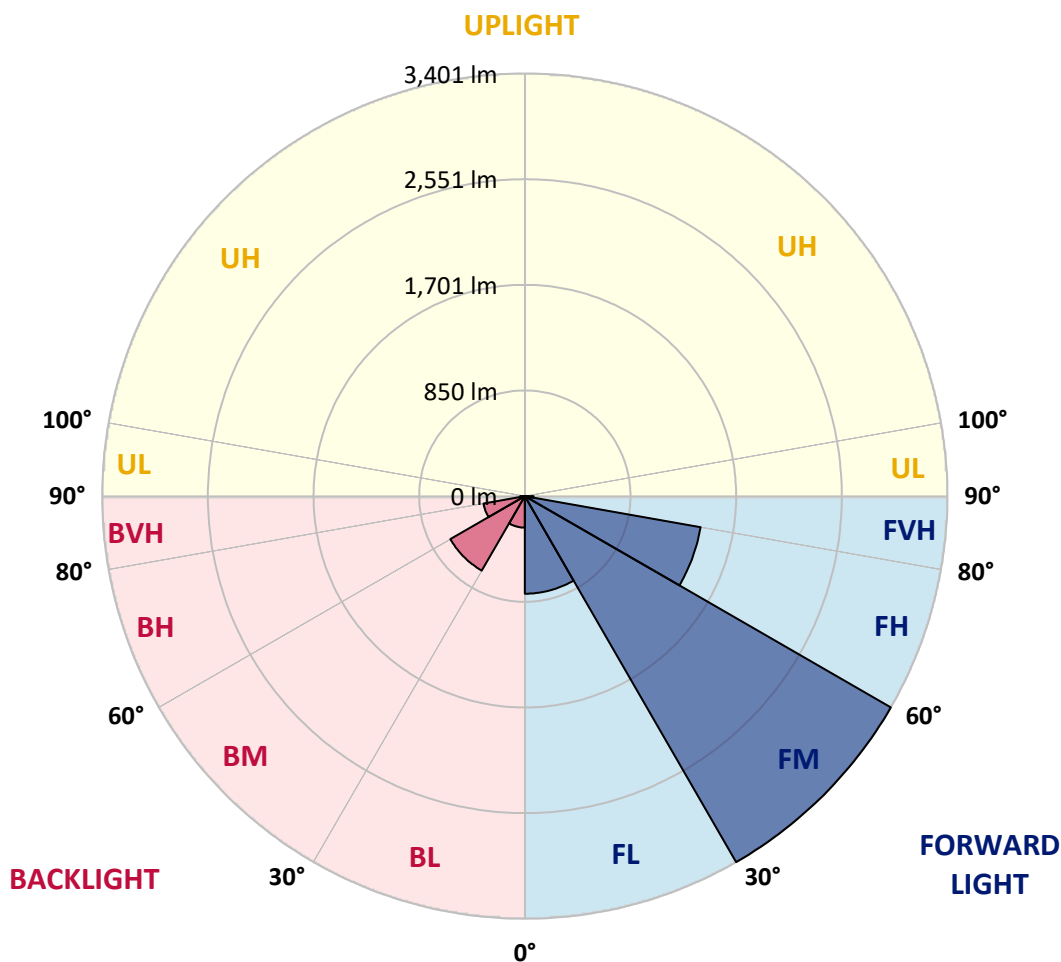


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	785.1	11.2			
FM (30°-60°)	3401.1	48.5			
FH (60°-80°)	1436.8	20.5			G1/1800
FVH (80°-90°)	70.4	1.0			G1/100
BL (0°-30°)	253.6	3.6	B1/500		
BM (30°-60°)	692.2	9.9	B1/1000		
BH (60°-80°)	337.8	4.8	B1/500		G1/500
BVH (80°-90°)	38.0	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°	746.0	746.0	746.0	746.0	746.0	746.0	746.0	746.0	746.0	746.0	746.0
2.5°	993.5	978.3	970.3	961.2	935.9	919.8	889.4	854.1	813.2	778.3	771.8
5°	1203.1	1188.0	1190.0	1167.7	1130.9	1096.5	1040.0	973.3	895.5	835.9	815.2
7.5°	1351.1	1334.4	1338.5	1329.4	1299.6	1261.7	1190.0	1104.1	990.5	902.1	868.7
10°	1450.1	1452.1	1455.1	1451.6	1432.4	1405.6	1334.4	1239.5	1098.0	980.4	934.9
12.5°	1562.2	1567.8	1566.8	1568.3	1558.2	1537.0	1467.3	1377.9	1212.7	1064.7	1005.6
15°	1705.2	1699.6	1704.1	1710.7	1699.6	1676.4	1614.7	1508.7	1332.9	1158.7	1085.4
17.5°	1861.7	1850.1	1862.2	1855.7	1847.6	1832.4	1764.8	1651.6	1457.2	1260.2	1174.3
20°	1997.1	1989.5	1996.1	1997.1	1998.6	1995.6	1925.9	1805.7	1587.5	1370.8	1270.3
22.5°	2149.1	2145.6	2144.6	2145.1	2146.6	2150.1	2102.7	1974.4	1731.9	1487.0	1373.8
25°	2361.8	2358.2	2335.0	2309.2	2294.1	2305.2	2280.4	2165.8	1891.5	1617.3	1487.5
27.5°	2600.2	2594.6	2563.8	2498.6	2450.1	2458.2	2455.7	2376.9	2075.4	1766.8	1623.8
30°	2847.6	2834.0	2791.6	2700.2	2623.9	2609.8	2616.8	2590.6	2306.7	1965.3	1813.7
32.5°	3068.4	3043.1	2987.0	2894.6	2803.7	2762.8	2763.8	2775.4	2558.2	2196.6	2012.7
35°	3203.2	3186.6	3144.6	3051.2	2949.7	2922.4	2914.8	2972.9	2789.1	2410.8	2191.0
37.5°	3276.0	3259.8	3214.8	3139.6	3062.8	3051.7	3065.8	3155.7	3051.2	2677.9	2433.5
40°	3262.8	3245.6	3216.4	3163.8	3113.3	3121.9	3184.5	3323.4	3337.6	2997.7	2779.0
42.5°	3154.7	3136.6	3134.0	3130.5	3106.8	3144.6	3257.8	3446.2	3600.7	3366.9	3197.2
45°	2963.8	2952.7	2965.8	3026.4	3056.2	3129.5	3292.1	3505.8	3832.0	3742.1	3592.6
47.5°	2721.9	2715.3	2745.1	2841.1	2937.6	3083.0	3314.8	3521.9	3991.1	3991.1	3851.7
50°	2451.2	2448.6	2488.0	2627.4	2778.5	2997.7	3312.3	3537.1	4060.9	4064.4	3943.2
52.5°	2073.4	2086.5	2191.5	2375.4	2580.5	2863.8	3277.0	3579.5	4100.2	4108.3	4004.3
55°	1638.0	1650.6	1809.2	2056.7	2319.3	2701.2	3171.4	3566.9	4107.8	4126.0	4039.1
57.5°	1307.7	1310.2	1409.2	1703.1	2028.4	2493.1	3049.7	3483.0	4085.6	4164.9	4092.7
60°	1023.3	1031.4	1097.5	1330.4	1691.0	2224.9	2913.8	3400.2	4098.2	4201.8	4141.2
62.5°	762.2	764.2	825.8	1006.1	1343.5	1882.9	2729.5	3311.8	4115.9	4243.2	4160.9
65°	496.5	496.0	555.6	718.2	1003.6	1513.7	2440.0	3173.4	4117.4	4234.1	4070.4
67.5°	315.7	317.7	343.5	446.0	671.8	1142.5	2046.1	2916.3	4045.7	4013.9	3741.1
70°	256.1	256.6	264.7	291.4	409.1	780.9	1538.0	2514.3	3818.9	3575.0	3251.7
72.5°	228.3	228.8	232.8	235.9	272.7	469.2	1009.2	2041.5	3415.9	3047.2	2697.6
75°	205.1	205.1	207.6	204.6	223.8	294.5	572.8	1534.9	2813.3	2372.9	2038.0
77.5°	179.8	179.3	179.3	177.8	193.4	215.2	286.9	1071.3	2026.4	1618.3	1321.8
80°	152.5	151.5	153.0	152.0	167.2	163.1	167.2	661.2	1098.6	742.0	562.7
82.5°	118.7	118.7	123.2	124.2	137.9	118.2	117.7	313.7	417.2	277.3	207.6
85°	62.1	69.7	93.9	98.0	104.0	74.2	86.4	146.5	167.2	106.1	75.8
87.5°	18.7	19.7	57.6	64.7	64.1	37.4	53.0	70.7	78.3	47.0	30.8
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°	746.0	746.0	746.0	746.0	746.0	746.0	746.0	746.0	746.0	746.0	746.0
2.5°	755.1	737.4	700.0	666.7	641.5	617.2	600.5	592.0	580.8	582.4	578.8
5°	778.3	742.0	675.8	622.3	586.4	559.1	542.5	533.9	525.8	521.7	524.8
7.5°	813.2	756.6	664.2	599.5	562.2	538.9	529.8	527.3	525.3	523.8	526.3
10°	858.1	782.4	662.2	591.4	557.1	543.0	539.4	537.9	535.9	533.9	535.4
12.5°	904.1	810.7	669.2	593.5	565.2	554.6	550.0	548.0	543.0	540.4	540.9
15°	961.7	845.0	678.8	601.6	575.8	562.2	556.1	550.5	542.5	538.9	540.4
17.5°	1023.3	885.9	692.0	609.1	579.8	563.2	551.0	543.0	534.9	529.8	530.3
20°	1093.0	926.3	703.6	611.7	577.8	554.6	539.9	530.3	519.7	514.2	512.7
22.5°	1165.2	968.7	712.7	609.6	566.7	539.9	523.3	511.6	499.0	490.4	490.9
25°	1253.1	1026.3	720.2	602.6	552.1	520.7	502.1	487.4	474.3	466.2	466.7
27.5°	1358.7	1091.5	729.3	591.4	534.4	500.0	478.3	463.7	451.0	443.5	442.5
30°	1499.6	1176.3	739.4	577.8	512.2	477.3	456.1	440.9	428.8	421.7	421.7
32.5°	1658.2	1279.9	746.5	561.6	487.4	453.1	433.9	421.7	412.7	403.1	402.0
35°	1796.1	1360.2	768.2	549.0	465.7	430.3	417.2	408.6	395.0	385.9	384.4
37.5°	1998.6	1501.6	832.4	545.5	439.4	412.7	410.1	394.0	378.3	361.1	359.6
40°	2324.9	1746.6	907.1	528.3	412.1	403.1	400.5	378.8	341.9	331.3	329.3
42.5°	2740.1	2041.5	915.2	478.3	393.0	395.0	387.4	345.0	328.8	320.7	318.7
45°	3114.8	2280.9	869.2	427.3	378.8	382.9	367.2	332.3	323.3	315.7	313.7
47.5°	3325.5	2354.7	782.4	388.9	368.2	372.2	334.9	326.3	317.2	309.6	307.6
50°	3384.5	2290.5	681.4	366.7	360.1	361.6	326.3	321.2	313.2	307.1	304.1
52.5°	3396.2	2194.6	587.9	353.6	354.1	340.4	318.7	314.7	309.6	300.0	296.5
55°	3401.2	2108.2	504.1	345.5	350.0	313.2	310.6	307.6	303.6	293.5	291.4
57.5°	3414.3	1997.6	438.4	339.4	345.0	300.5	301.5	299.5	294.5	289.9	288.9
60°	3377.0	1844.6	387.9	333.4	337.9	289.9	290.9	291.9	287.4	286.4	285.9
62.5°	3251.7	1627.4	345.0	325.3	323.3	279.3	279.3	283.4	279.3	280.8	280.8
65°	2993.6	1350.6	306.6	310.1	300.5	267.7	267.2	274.3	268.2	274.8	275.3
67.5°	2553.7	1022.3	267.2	286.4	276.8	255.6	257.6	263.1	255.1	268.7	268.7
70°	2021.3	695.5	226.3	253.0	252.5	241.9	248.5	248.0	238.9	259.1	255.6
72.5°	1505.6	446.5	184.4	212.1	220.7	227.3	239.4	228.8	220.2	231.8	221.2
75°	1052.1	279.8	145.5	167.7	183.8	211.1	228.3	207.1	194.5	190.9	187.9
77.5°	629.8	178.8	114.7	127.8	143.4	191.9	214.2	184.4	165.2	163.1	157.1
80°	290.4	116.7	87.4	95.5	102.0	164.7	195.0	157.6	134.4	132.3	125.3
82.5°	131.3	76.8	65.2	68.2	68.7	130.8	164.7	124.8	102.5	166.2	143.9
85°	61.1	49.5	42.4	40.4	40.9	87.4	119.7	85.9	116.7	90.9	69.2
87.5°	26.3	25.3	21.7	17.2	15.7	18.7	46.0	35.9	51.0	20.2	13.6
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)