

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: P672095

Luminaire Tested: **CCP-SA-2B-730-U-T2R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672095  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2B-730-U-T2R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T2R distribution lens  
Light Source: (32) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

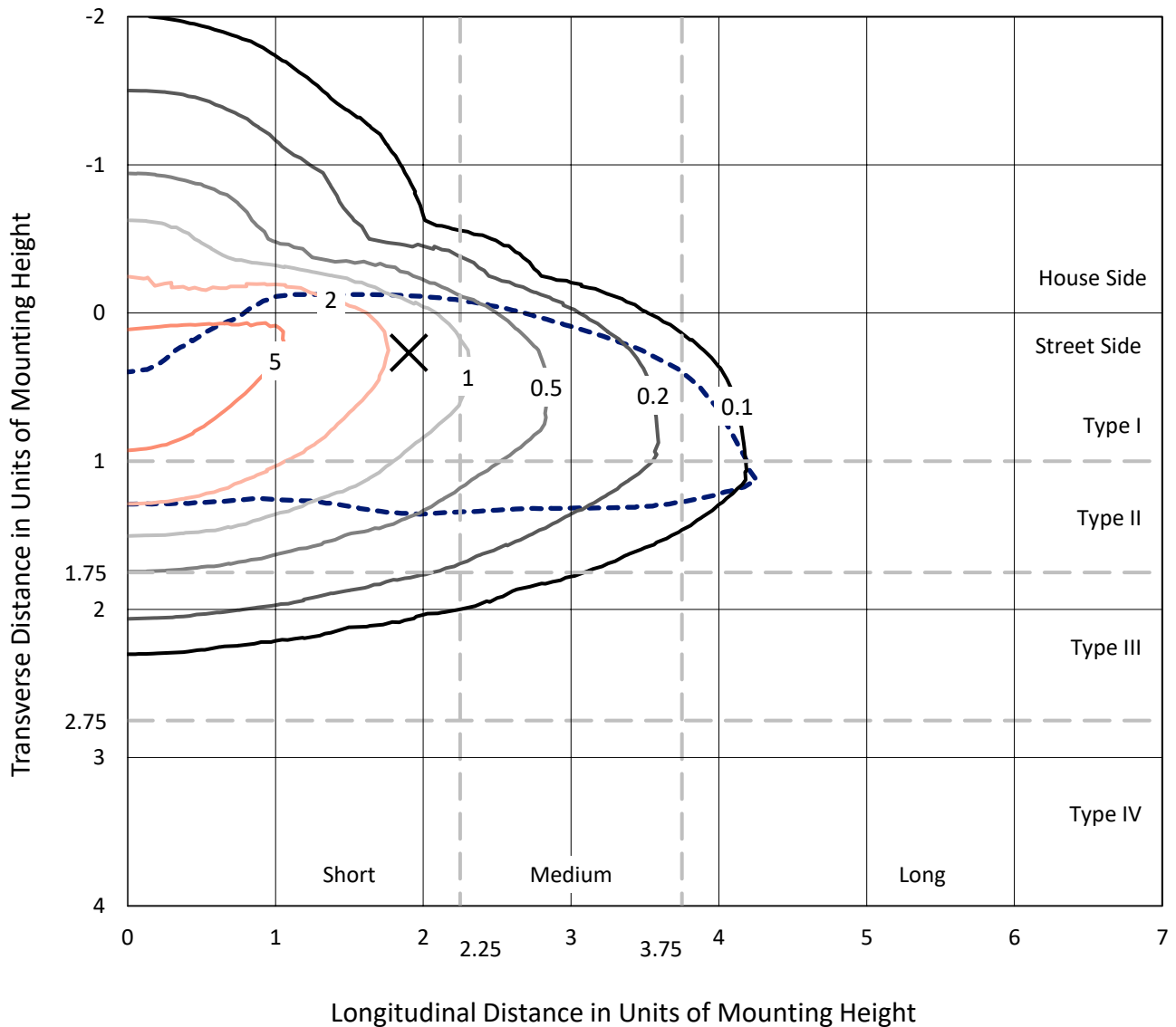
Lumens per Lamp: N/A  
Luminaire Lumens: 6387.9 lumens  
Efficiency: N/A  
Efficacy: 138.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

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

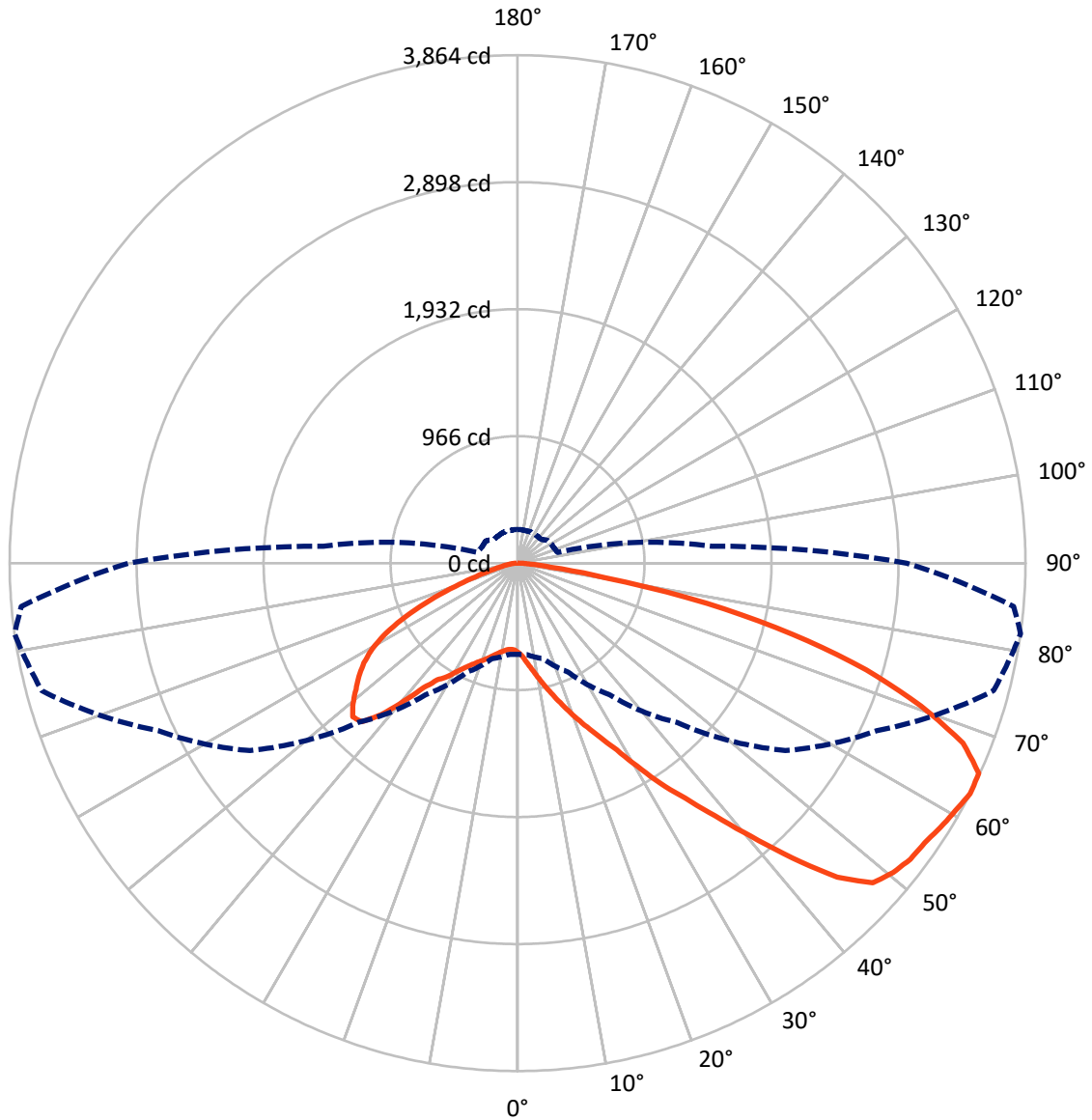
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.5 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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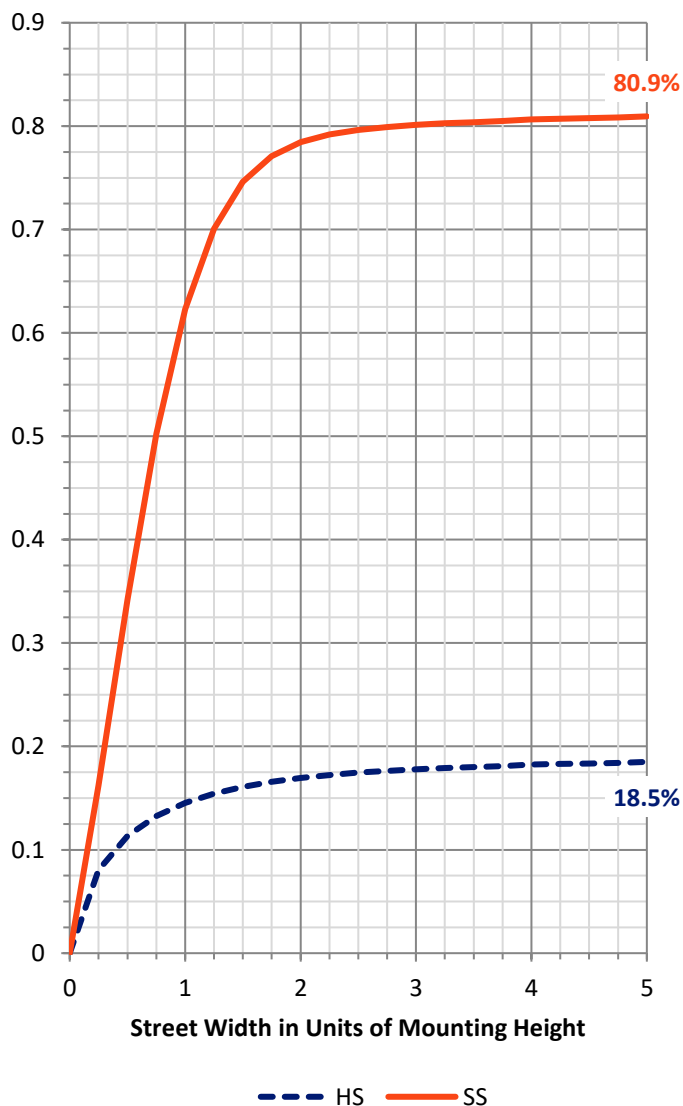
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1203.5	0.0	1203.5
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	5184.5	0.0	5184.5
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	6387.9	0.0	6387.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.2	1.2
10°-20°	283.5	4.4
20°-30°	587.2	9.2
30°-40°	996.6	15.6
40°-50°	1357.1	21.2
50°-60°	1373.7	21.5
60°-70°	1082.6	16.9
70°-80°	533.3	8.3
80°-90°	98.7	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°	6387.9	100.0
0°-180°	6387.9	100.0



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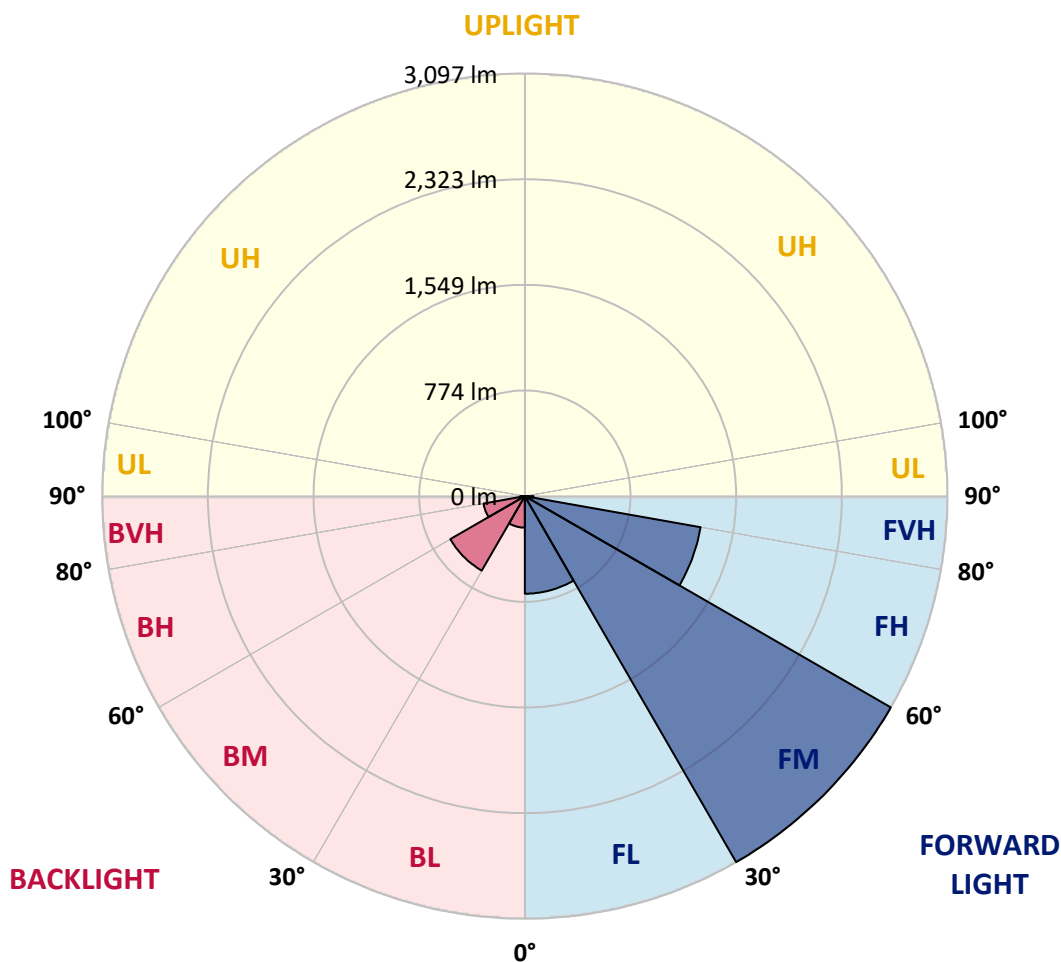
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	715.0	11.2			
FM (30°-60°)	3097.1	48.5			
FH (60°-80°)	1308.3	20.5			G1/1800
FVH (80°-90°)	64.1	1.0			G1/100
BL (0°-30°)	230.9	3.6	B1/500		
BM (30°-60°)	630.4	9.9	B1/1000		
BH (60°-80°)	307.6	4.8	B1/500		G1/500
BVH (80°-90°)	34.6	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°	679.3	679.3	679.3	679.3	679.3	679.3	679.3	679.3	679.3	679.3	679.3
2.5°	904.7	890.9	883.5	875.2	852.2	837.5	809.9	777.7	740.5	708.7	702.8
5°	1095.5	1081.7	1083.6	1063.4	1029.8	998.5	947.0	886.3	815.4	761.2	742.3
7.5°	1230.3	1215.1	1218.8	1210.5	1183.4	1148.9	1083.6	1005.4	901.9	821.4	791.1
10°	1320.4	1322.3	1325.0	1321.8	1304.4	1280.0	1215.1	1128.7	999.9	892.7	851.3
12.5°	1422.6	1427.6	1426.7	1428.1	1418.9	1399.6	1336.1	1254.7	1104.3	969.5	915.7
15°	1552.7	1547.7	1551.8	1557.8	1547.7	1526.5	1470.4	1373.8	1213.7	1055.1	988.4
17.5°	1695.3	1684.7	1695.7	1689.8	1682.4	1668.6	1607.0	1504.0	1326.9	1147.5	1069.3
20°	1818.6	1811.7	1817.6	1818.6	1819.9	1817.2	1753.7	1644.2	1445.5	1248.2	1156.7
22.5°	1957.0	1953.8	1952.8	1953.3	1954.7	1957.9	1914.7	1797.9	1577.1	1354.0	1251.0
25°	2150.6	2147.4	2126.2	2102.8	2089.0	2099.1	2076.6	1972.2	1722.4	1472.7	1354.5
27.5°	2367.7	2362.6	2334.6	2275.3	2231.1	2238.5	2236.2	2164.4	1889.8	1608.8	1478.7
30°	2593.1	2580.6	2542.0	2458.8	2389.3	2376.4	2382.9	2359.0	2100.5	1789.6	1651.6
32.5°	2794.1	2771.1	2720.0	2635.8	2553.1	2515.8	2516.7	2527.3	2329.5	2000.2	1832.8
35°	2916.9	2901.7	2863.5	2778.4	2686.0	2661.1	2654.2	2707.1	2539.7	2195.2	1995.2
37.5°	2983.1	2968.4	2927.4	2858.9	2789.0	2778.9	2791.8	2873.6	2778.4	2438.5	2215.9
40°	2971.1	2955.5	2928.8	2881.0	2835.0	2842.8	2899.8	3026.3	3039.2	2729.7	2530.5
42.5°	2872.7	2856.1	2853.8	2850.6	2829.0	2863.5	2966.5	3138.1	3278.8	3065.9	2911.3
45°	2698.8	2688.7	2700.7	2755.9	2783.0	2849.7	2997.8	3192.4	3489.5	3407.6	3271.5
47.5°	2478.5	2472.6	2499.7	2587.1	2674.9	2807.4	3018.5	3207.1	3634.3	3634.3	3507.4
50°	2232.0	2229.7	2265.6	2392.5	2530.1	2729.7	3016.2	3220.9	3697.8	3701.0	3590.6
52.5°	1888.0	1900.0	1995.6	2163.0	2349.8	2607.8	2984.0	3259.5	3733.7	3741.0	3646.3
55°	1491.5	1503.0	1647.5	1872.8	2112.0	2459.7	2887.9	3248.0	3740.6	3757.1	3678.0
57.5°	1190.8	1193.0	1283.2	1550.9	1847.1	2270.2	2777.0	3171.7	3720.3	3792.6	3726.8
60°	931.8	939.2	999.4	1211.4	1539.8	2026.0	2653.3	3096.2	3731.8	3826.1	3770.9
62.5°	694.0	695.9	752.0	916.2	1223.4	1714.6	2485.4	3015.7	3747.9	3863.8	3788.9
65°	452.1	451.6	505.9	654.0	913.9	1378.4	2221.9	2889.7	3749.3	3855.6	3706.5
67.5°	287.5	289.3	312.8	406.1	611.7	1040.4	1863.2	2655.6	3684.0	3655.0	3406.7
70°	233.2	233.6	241.0	265.4	372.5	711.0	1400.5	2289.5	3477.5	3255.4	2961.0
72.5°	207.9	208.3	212.0	214.8	248.4	427.3	918.9	1859.0	3110.5	2774.7	2456.5
75°	186.7	186.7	189.0	186.3	203.7	268.1	521.6	1397.7	2561.8	2160.7	1855.8
77.5°	163.7	163.3	163.3	161.9	176.2	195.9	261.2	975.5	1845.2	1473.6	1203.6
80°	138.9	138.0	139.4	138.4	152.2	148.6	152.2	602.0	1000.3	675.6	512.4
82.5°	108.1	108.1	112.2	113.1	125.6	107.6	107.2	285.6	379.9	252.5	189.0
85°	56.6	63.5	85.5	89.2	94.7	67.6	78.6	133.4	152.2	96.6	69.0
87.5°	17.0	17.9	52.4	58.9	58.4	34.0	48.3	64.4	71.3	42.8	28.1
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°	679.3	679.3	679.3	679.3	679.3	679.3	679.3	679.3	679.3	679.3	679.3
2.5°	687.6	671.5	637.5	607.1	584.1	562.0	546.9	539.0	528.9	530.3	527.1
5°	708.7	675.6	615.4	566.6	534.0	509.1	494.0	486.1	478.8	475.1	477.9
7.5°	740.5	689.0	604.8	545.9	511.9	490.7	482.5	480.2	478.3	476.9	479.2
10°	781.4	712.4	603.0	538.6	507.3	494.4	491.2	489.8	488.0	486.1	487.5
12.5°	823.3	738.2	609.4	540.4	514.7	505.0	500.9	499.0	494.4	492.1	492.6
15°	875.7	769.5	618.1	547.8	524.3	511.9	506.4	501.3	494.0	490.7	492.1
17.5°	931.8	806.7	630.1	554.7	528.0	512.8	501.8	494.4	487.1	482.5	482.9
20°	995.3	843.5	640.7	557.0	526.2	505.0	491.7	482.9	473.3	468.2	466.8
22.5°	1061.1	882.1	649.0	555.1	516.0	491.7	476.5	465.9	454.4	446.6	447.0
25°	1141.1	934.6	655.9	548.7	502.7	474.2	457.2	443.8	431.9	424.5	425.0
27.5°	1237.2	993.9	664.1	538.6	486.6	455.3	435.6	422.2	410.7	403.8	402.9
30°	1365.5	1071.2	673.3	526.2	466.4	434.6	415.3	401.5	390.5	384.0	384.0
32.5°	1509.9	1165.5	679.8	511.4	443.8	412.6	395.1	384.0	375.8	367.0	366.1
35°	1635.5	1238.6	699.5	499.9	424.1	391.9	379.9	372.1	359.7	351.4	350.0
37.5°	1819.9	1367.4	758.0	496.7	400.1	375.8	373.5	358.7	344.5	328.8	327.5
40°	2117.0	1590.4	826.0	481.1	375.3	367.0	364.7	344.9	311.4	301.7	299.9
42.5°	2495.1	1859.0	833.4	435.6	357.8	359.7	352.8	314.1	299.4	292.1	290.2
45°	2836.4	2077.0	791.5	389.1	344.9	348.6	334.4	302.6	294.4	287.5	285.6
47.5°	3028.2	2144.2	712.4	354.1	335.3	339.0	304.9	297.1	288.8	281.9	280.1
50°	3082.0	2085.8	620.4	333.9	327.9	329.3	297.1	292.5	285.2	279.6	276.9
52.5°	3092.5	1998.4	535.4	321.9	322.4	310.0	290.2	286.5	281.9	273.2	270.0
55°	3097.1	1919.7	459.0	314.6	318.7	285.2	282.9	280.1	276.4	267.2	265.4
57.5°	3109.1	1819.0	399.2	309.1	314.1	273.7	274.6	272.7	268.1	264.0	263.1
60°	3075.1	1679.7	353.2	303.6	307.7	264.0	264.9	265.8	261.7	260.8	260.3
62.5°	2961.0	1481.9	314.1	296.2	294.4	254.3	254.3	258.0	254.3	255.7	255.7
65°	2726.0	1229.8	279.2	282.4	273.7	243.8	243.3	249.7	244.2	250.2	250.7
67.5°	2325.4	930.9	243.3	260.8	252.0	232.7	234.6	239.6	232.3	244.7	244.7
70°	1840.6	633.3	206.0	230.4	230.0	220.3	226.3	225.8	217.5	235.9	232.7
72.5°	1371.0	406.6	167.9	193.2	201.0	207.0	218.0	208.3	200.5	211.1	201.4
75°	958.0	254.8	132.5	152.7	167.4	192.2	207.9	188.6	177.1	173.9	171.1
77.5°	573.5	162.8	104.4	116.4	130.6	174.8	195.0	167.9	150.4	148.6	143.0
80°	264.5	106.2	79.6	86.9	92.9	149.9	177.5	143.5	122.3	120.5	114.1
82.5°	119.6	69.9	59.3	62.1	62.6	119.1	149.9	113.6	93.4	151.3	131.1
85°	55.7	45.1	38.6	36.8	37.3	79.6	109.0	78.2	106.2	82.8	63.0
87.5°	23.9	23.0	19.8	15.6	14.3	17.0	41.9	32.7	46.5	18.4	12.4
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)