

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: P674567

Luminaire Tested: **CCP-SA-2D-740-U-T2R-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674567  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2D-740-U-T2R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ T2R distribution lens and House Side Shield  
Light Source: (32) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

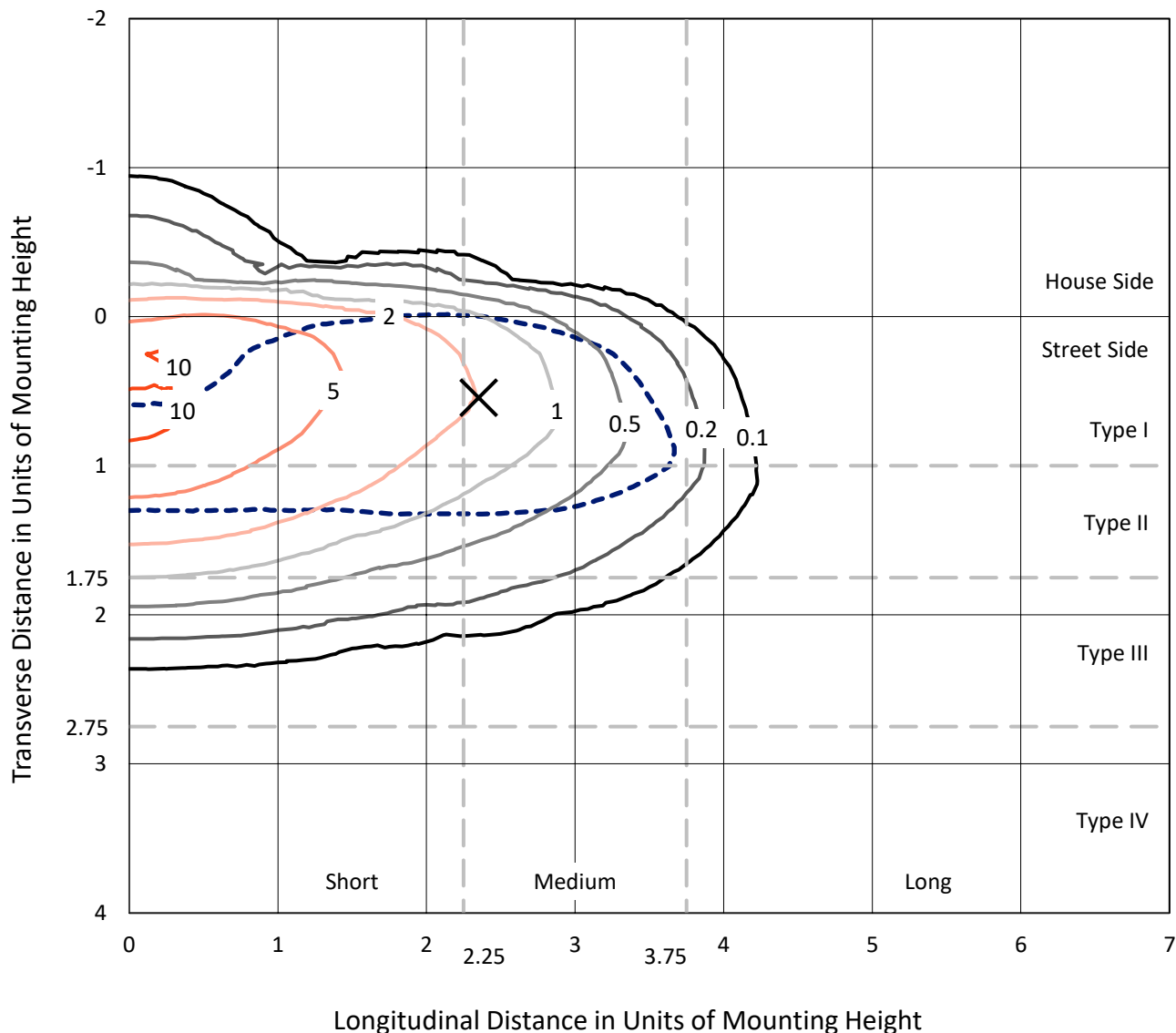
Lumens per Lamp: N/A  
Luminaire Lumens: 9030.4 lumens  
Efficiency: N/A  
Efficacy: 111.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 80.8  
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

REPORT NUMBER: P674567  
 CATALOG NUMBER: CCP-SA-2D-740-U-T2R-HSS

### Iso-Footcandle Lines of Horizontal Illumination

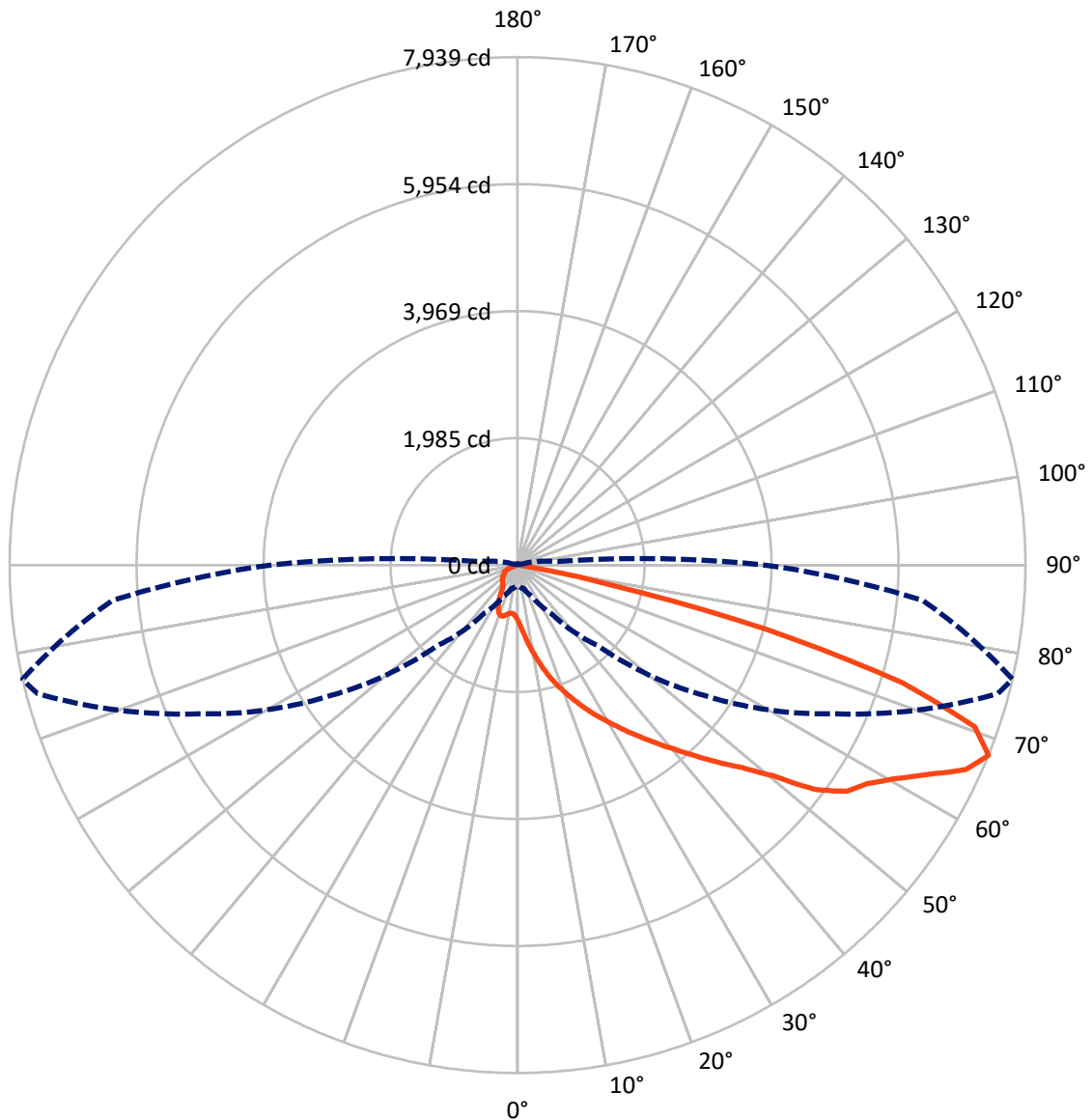
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 11.2 fc  
 Type II - Medium - N/A

REPORT NUMBER: P674567  
CATALOG NUMBER: CCP-SA-2D-740-U-T2R-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P674567

CATALOG NUMBER: CCP-SA-2D-740-U-T2R-HSS

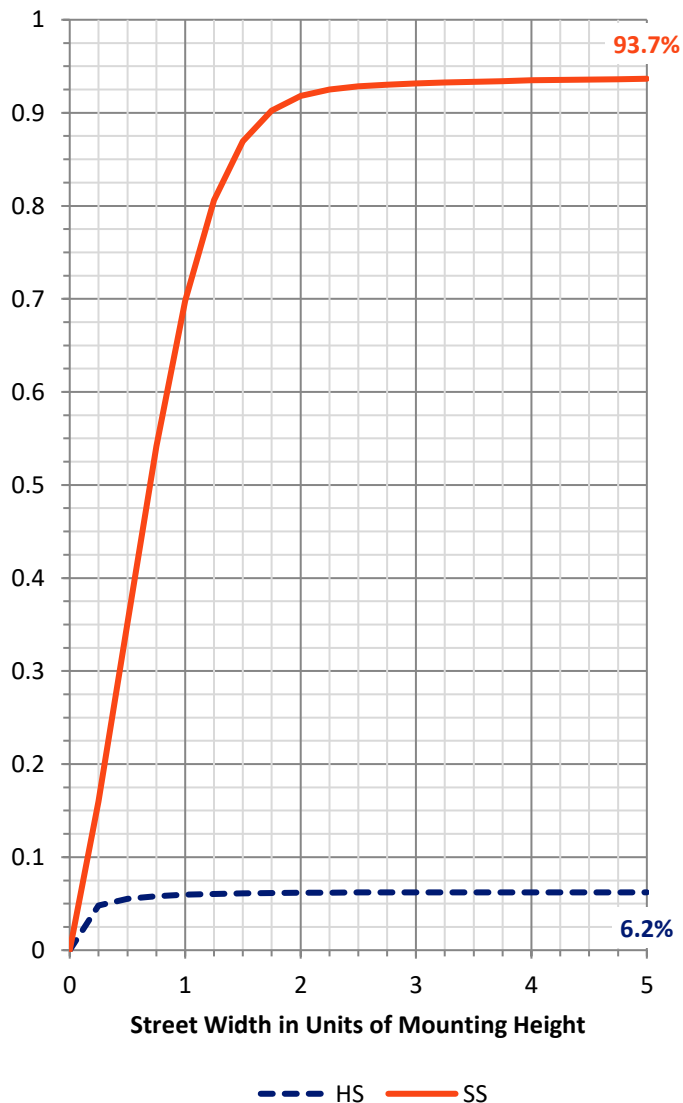
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	564.3	0.0	564.3
	% Fixture	6.2	0.0	6.2
<b>Street Side</b>	Lumens	8466.1	0.0	8466.1
	% Fixture	93.8	0.0	93.8
<b>Total</b>	Lumens	9030.4	0.0	9030.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.7	1.1
10°-20°	375.9	4.2
20°-30°	734.4	8.1
30°-40°	1284.0	14.2
40°-50°	1872.6	20.7
50°-60°	2189.7	24.2
60°-70°	1775.0	19.7
70°-80°	666.8	7.4
80°-90°	30.3	0.3
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°	9030.4	100.0
0°-180°	9030.4	100.0



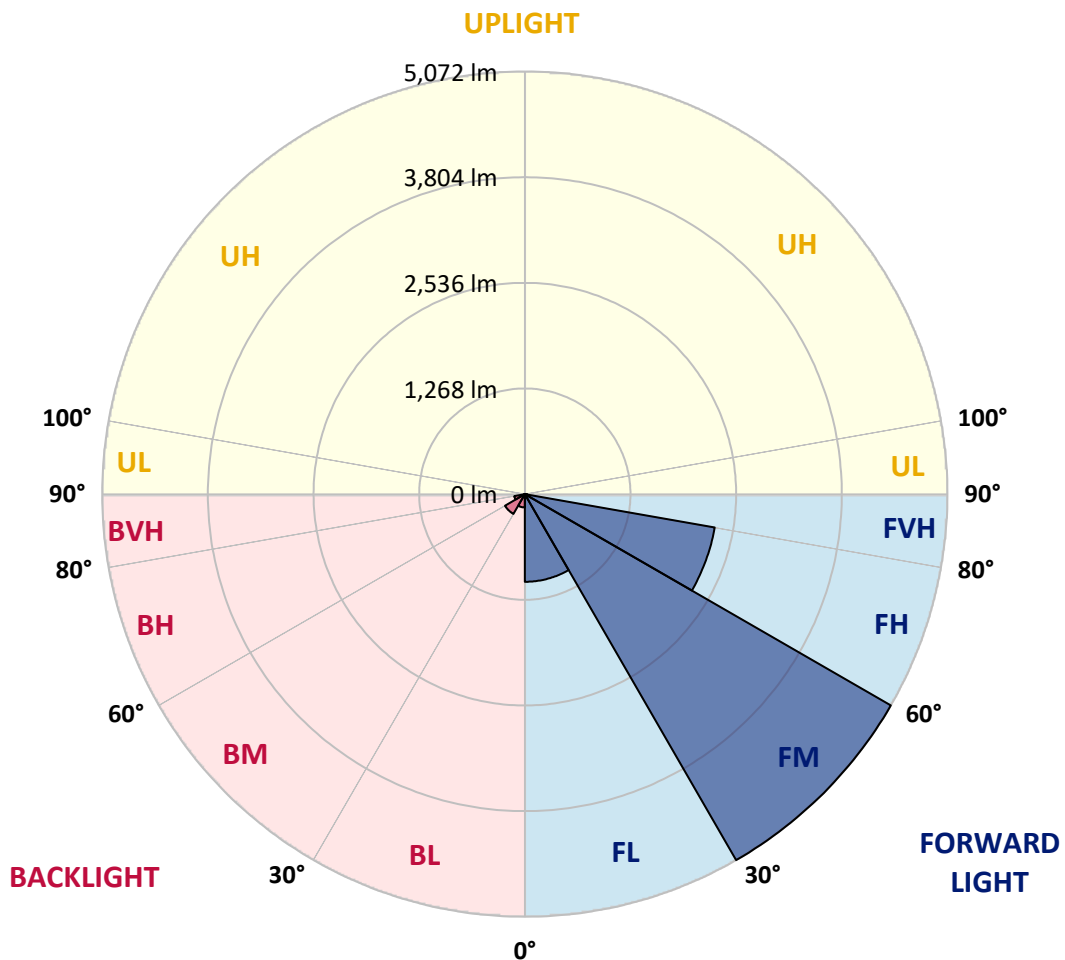
REPORT NUMBER: P674567  
 CATALOG NUMBER: CCP-SA-2D-740-U-T2R-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1052.0	11.6			
FM (30°-60°)	5071.7	56.2			
FH (60°-80°)	2313.9	25.6			G2/5000
FVH (80°-90°)	28.6	0.3			G1/100
BL (0°-30°)	160.0	1.8	B1/500		
BM (30°-60°)	274.6	3.0	B1/1000		
BH (60°-80°)	128.0	1.4	B1/500		G1/500
BVH (80°-90°)	1.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type II Medium





REPORT NUMBER: P674567

CATALOG NUMBER: CCP-SA-2D-740-U-T2R-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	864.9	864.9	864.9	864.9	864.9	864.9	864.9	864.9	864.9	864.9	864.9
2.5°	1298.6	1251.4	1260.3	1240.8	1215.5	1156.8	1094.8	1032.9	977.4	965.2	909.8
5°	1663.0	1648.4	1632.9	1619.8	1566.8	1493.5	1381.8	1239.9	1112.0	1089.9	975.0
7.5°	1945.9	1923.9	1937.8	1897.8	1842.4	1771.5	1629.6	1478.0	1280.7	1248.1	1069.6
10°	2154.6	2142.4	2148.9	2130.2	2103.3	2032.3	1892.1	1702.2	1473.9	1412.0	1175.5
12.5°	2311.1	2313.6	2342.1	2343.7	2321.7	2263.9	2115.5	1917.4	1649.2	1593.7	1292.9
15°	2425.3	2427.7	2462.8	2500.3	2525.5	2495.4	2360.9	2139.1	1855.4	1779.6	1416.0
17.5°	2444.0	2445.7	2507.6	2583.4	2661.7	2687.8	2584.2	2359.2	2043.7	1957.3	1557.1
20°	2456.2	2470.1	2525.5	2612.8	2736.7	2817.4	2761.1	2570.4	2226.4	2126.1	1695.7
22.5°	2604.6	2604.6	2637.2	2699.2	2797.8	2924.2	2912.8	2764.4	2404.1	2304.6	1833.4
25°	2919.3	2919.3	2887.5	2871.2	2924.2	3023.6	3052.2	2971.5	2607.1	2489.7	1978.5
27.5°	3335.9	3335.9	3286.1	3166.3	3120.7	3162.2	3192.4	3151.6	2794.6	2678.8	2131.8
30°	3767.9	3782.6	3696.2	3543.7	3384.0	3352.2	3322.8	3313.9	2994.3	2863.9	2287.5
32.5°	4201.6	4200.0	4092.4	3902.4	3693.7	3581.2	3485.9	3475.3	3206.2	3078.3	2435.1
35°	4548.1	4548.9	4435.6	4240.8	3999.5	3856.0	3702.7	3653.0	3438.6	3295.9	2611.1
37.5°	4848.1	4831.0	4708.7	4523.6	4298.6	4150.3	3959.5	3829.9	3679.1	3534.0	2787.2
40°	5020.1	4997.3	4878.3	4702.2	4531.8	4418.5	4250.5	4043.5	3943.2	3786.7	2987.8
42.5°	5045.4	5025.8	4946.7	4840.8	4701.4	4601.9	4557.1	4284.8	4220.4	4078.5	3227.4
45°	4974.5	4942.7	4916.6	4861.1	4822.0	4773.9	4835.1	4541.6	4538.3	4397.3	3464.7
47.5°	4798.4	4755.2	4761.7	4822.8	4866.8	4910.1	5100.8	4878.3	4858.7	4726.6	3776.1
50°	4497.6	4476.4	4548.1	4668.7	4843.2	5016.0	5365.8	5222.3	5299.7	5175.8	4205.7
52.5°	3886.1	3912.2	4126.6	4416.8	4718.5	5065.8	5614.4	5735.9	5934.0	5832.1	4637.8
55°	3152.4	3142.7	3428.8	3944.0	4425.8	5034.0	5722.8	6038.3	6349.7	6242.9	4878.3
57.5°	2539.4	2556.5	2749.7	3259.2	3929.3	4788.6	5748.1	6196.5	6516.8	6445.9	5100.8
60°	1906.0	1922.3	2098.4	2541.8	3269.0	4276.6	5539.4	6251.9	6830.7	6776.9	5456.2
62.5°	1213.0	1234.2	1411.1	1842.4	2498.6	3481.0	5070.7	6194.0	7158.4	7203.3	5941.3
65°	596.7	615.5	745.9	1076.1	1670.4	2603.0	4416.8	5973.1	7575.8	7703.8	6330.2
67.5°	330.2	339.1	384.0	547.8	931.8	1785.3	3549.5	5501.1	7767.4	7938.6	6356.2
70°	256.8	259.2	276.4	319.6	454.1	1047.6	2524.7	4715.2	7370.4	7577.4	5827.2
72.5°	216.0	219.3	227.4	242.1	283.7	545.4	1586.4	3644.0	6201.4	6295.1	4508.2
75°	158.2	163.0	185.9	198.9	224.2	331.0	699.5	2189.7	4098.1	4006.0	2522.3
77.5°	132.9	137.0	142.7	161.4	185.1	225.8	245.4	917.9	1667.9	1450.3	662.0
80°	90.5	95.4	110.9	120.7	156.5	149.2	101.9	246.2	335.1	273.1	127.2
82.5°	64.4	68.5	76.6	98.6	113.3	79.1	55.4	75.0	80.7	76.6	41.6
85°	20.4	26.1	55.4	81.5	61.1	26.9	35.1	28.5	25.3	24.5	16.3
87.5°	4.1	4.1	27.7	32.6	24.5	13.9	12.2	9.0	11.4	11.4	9.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P674567  
 CATALOG NUMBER: CCP-SA-2D-740-U-T2R-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	864.9	864.9	864.9	864.9	864.9	864.9	864.9	864.9	864.9	864.9	864.9
2.5°	883.7	847.0	794.0	744.3	693.7	657.9	632.6	607.3	597.6	593.5	582.9
5°	922.8	852.7	747.6	662.8	600.8	561.7	538.0	517.7	504.6	500.5	494.8
7.5°	979.1	878.0	727.2	629.3	567.4	525.0	486.7	442.7	407.6	393.7	388.0
10°	1040.2	916.3	730.4	622.8	540.5	447.6	362.0	291.0	260.1	248.6	240.5
12.5°	1129.9	958.7	744.3	615.5	459.8	319.6	231.5	202.2	194.8	193.2	191.6
15°	1219.6	1018.2	767.1	566.6	343.2	217.7	192.4	181.8	177.7	173.6	173.6
17.5°	1310.1	1075.3	776.1	471.2	237.2	188.3	175.3	166.3	159.8	156.5	154.1
20°	1412.0	1135.6	750.0	354.6	189.9	172.0	157.3	146.7	141.0	137.8	135.3
22.5°	1522.0	1195.1	692.9	247.0	172.8	154.9	141.0	130.4	124.7	121.5	120.7
25°	1625.5	1246.5	601.6	185.9	155.7	138.6	125.5	116.6	112.5	109.2	108.4
27.5°	1732.3	1290.5	482.6	163.9	141.8	125.5	112.5	105.2	101.1	98.6	97.8
30°	1836.7	1320.7	359.5	150.0	129.6	113.3	101.9	96.2	92.1	89.7	88.9
32.5°	1944.3	1337.8	242.9	137.8	117.4	102.7	92.9	87.2	84.8	82.3	82.3
35°	2047.8	1335.3	175.3	126.4	107.6	92.9	84.0	79.9	79.1	76.6	76.6
37.5°	2161.1	1318.2	149.2	115.8	97.0	84.0	76.6	74.2	73.4	71.7	70.9
40°	2289.9	1279.9	136.1	107.6	88.0	76.6	70.1	68.5	67.7	66.0	66.0
42.5°	2431.0	1230.2	128.8	98.6	80.7	69.3	64.4	62.0	61.1	59.5	59.5
45°	2594.8	1182.9	123.9	89.7	74.2	63.6	58.7	56.2	55.4	53.8	53.8
47.5°	2818.2	1156.0	115.8	81.5	66.8	57.9	53.0	51.4	49.7	48.1	48.1
50°	3125.5	1124.2	105.2	73.4	61.1	52.2	48.9	46.5	45.7	44.0	44.0
52.5°	3378.3	1056.5	94.6	65.2	54.6	48.1	44.8	43.2	41.6	40.8	40.8
55°	3467.1	977.4	84.0	58.7	49.7	44.8	41.6	39.9	39.1	38.3	38.3
57.5°	3609.0	952.2	74.2	52.2	44.8	41.6	38.3	37.5	36.7	35.9	35.1
60°	3851.1	966.8	65.2	46.5	40.8	37.5	35.1	34.2	32.6	31.0	31.0
62.5°	4085.9	948.9	55.4	40.8	35.1	33.4	31.0	29.3	26.1	23.6	22.0
65°	4142.9	829.1	48.1	34.2	29.3	27.7	25.3	22.0	17.1	13.9	13.9
67.5°	3866.6	630.2	41.6	29.3	24.5	22.8	17.9	14.7	10.6	8.2	8.2
70°	3190.8	399.5	34.2	22.8	20.4	15.5	11.4	10.6	7.3	6.5	5.7
72.5°	2302.2	218.5	28.5	18.7	14.7	9.8	8.2	6.5	4.9	3.3	3.3
75°	1165.8	102.7	21.2	14.7	9.8	6.5	4.9	3.3	3.3	2.4	2.4
77.5°	330.2	47.3	13.9	9.8	6.5	4.1	3.3	2.4	2.4	1.6	1.6
80°	65.2	23.6	9.0	6.5	4.9	3.3	2.4	1.6	1.6	0.8	0.8
82.5°	23.6	12.2	6.5	4.9	4.1	3.3	1.6	0.8	0.8	0.0	0.0
85°	12.2	6.5	4.9	4.1	3.3	2.4	1.6	0.8	0.0	0.0	0.0
87.5°	6.5	4.9	4.1	4.1	3.3	2.4	1.6	0.8	0.0	0.0	0.0
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)