

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: P674589

Luminaire Tested: **CCP-SA-2D-760-U-T2R-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674589  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2D-760-U-T2R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ T2R distribution lens and House Side Shield  
Light Source: (32) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

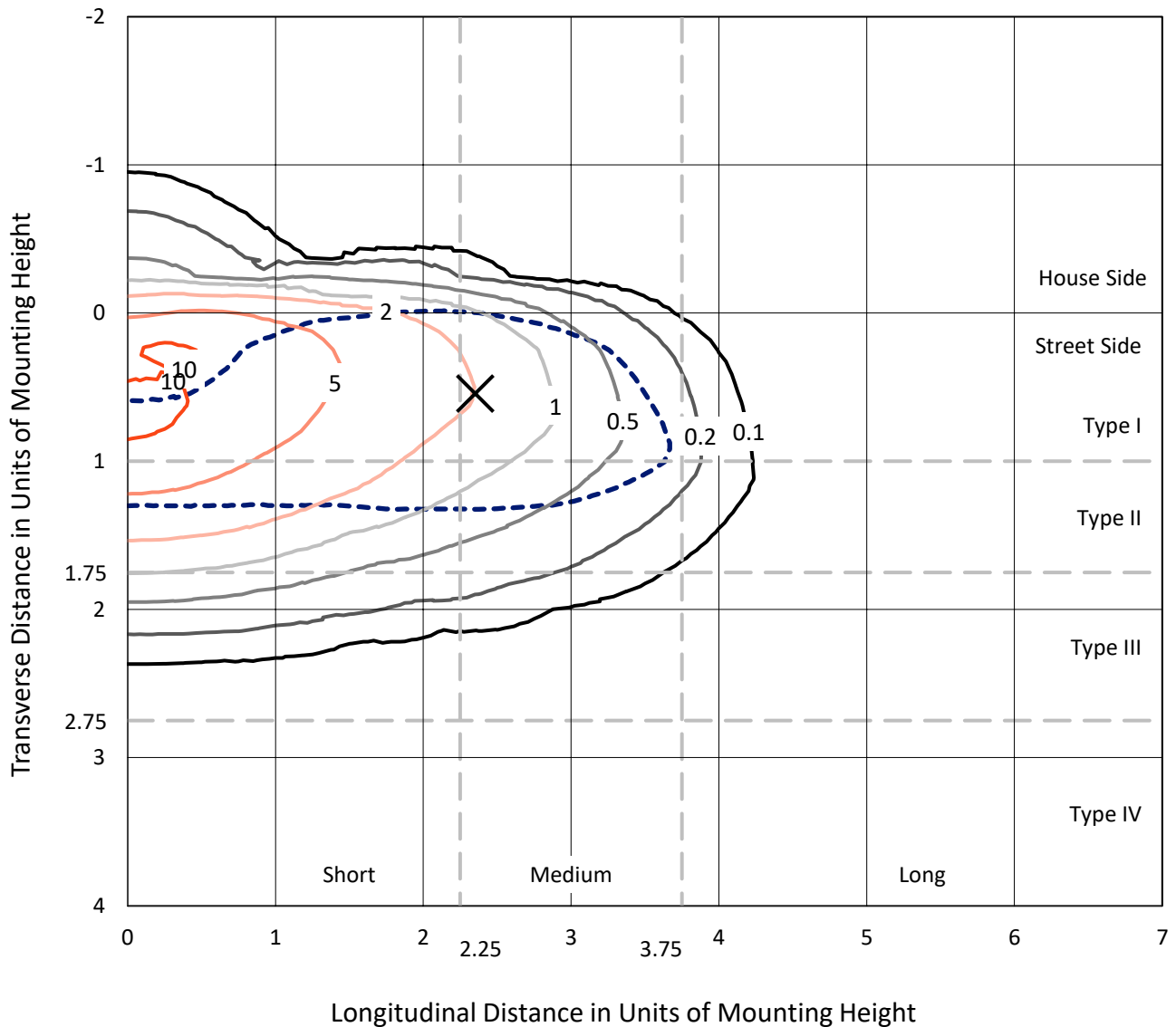
Lumens per Lamp: N/A  
Luminaire Lumens: 9237.2 lumens  
Efficiency: N/A  
Efficacy: 114.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2

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

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### Iso-Footcandle Lines of Horizontal Illumination

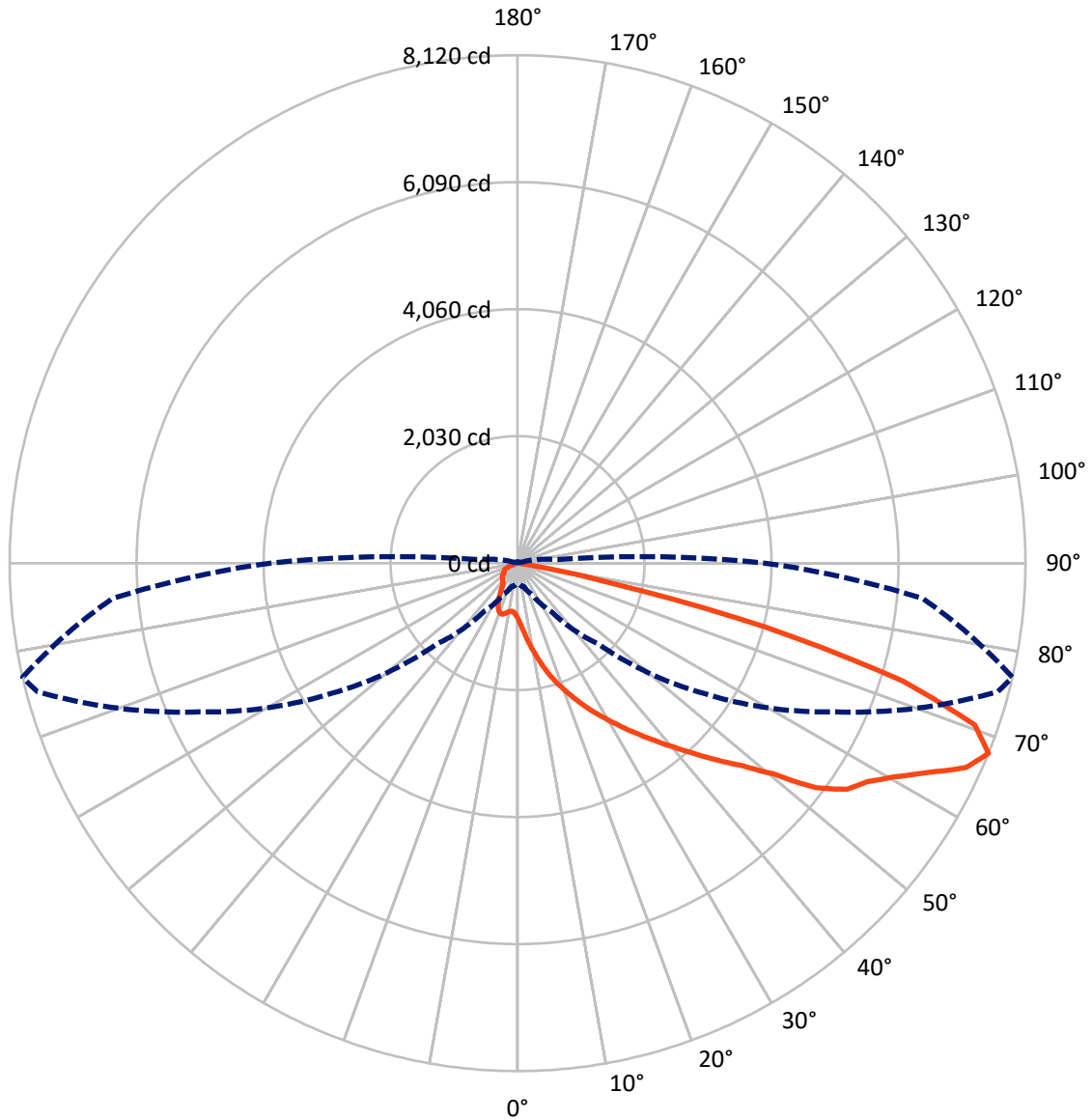
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 11.4 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



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

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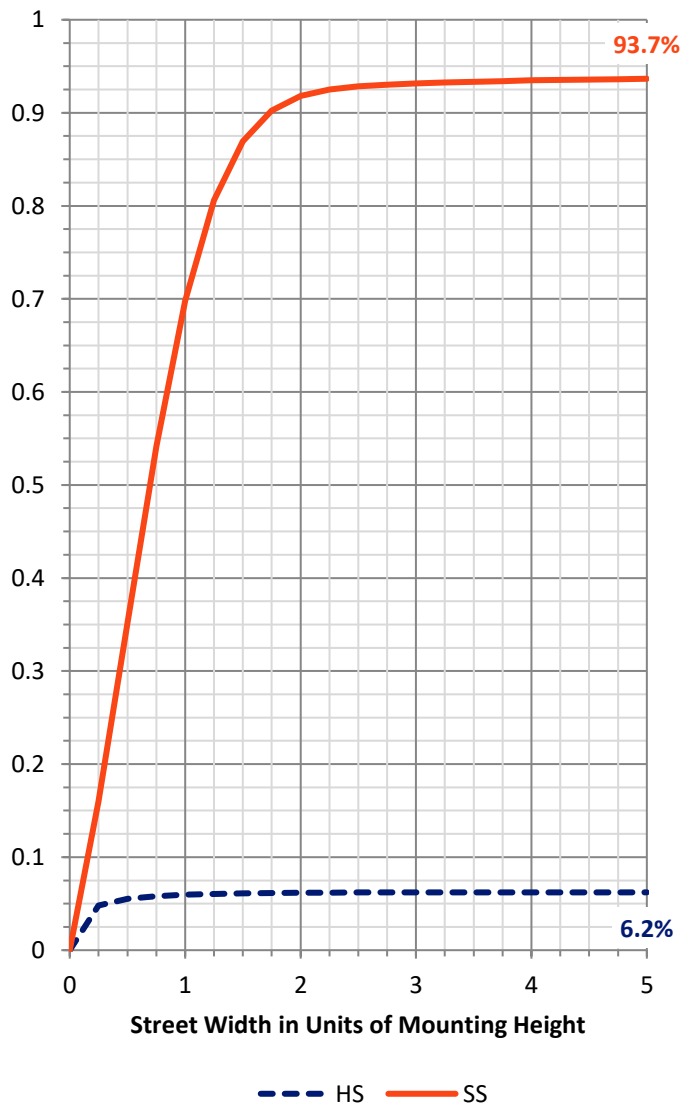
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	577.2	0.0	577.2
	% Fixture	6.2	0.0	6.2
<b>Street Side</b>	Lumens	8660.0	0.0	8660.0
	% Fixture	93.8	0.0	93.8
<b>Total</b>	Lumens	9237.2	0.0	9237.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	104.0	1.1
10°-20°	384.5	4.2
20°-30°	751.2	8.1
30°-40°	1313.4	14.2
40°-50°	1915.5	20.7
50°-60°	2239.8	24.2
60°-70°	1815.7	19.7
70°-80°	682.1	7.4
80°-90°	31.0	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°	9237.2	100.0
0°-180°	9237.2	100.0



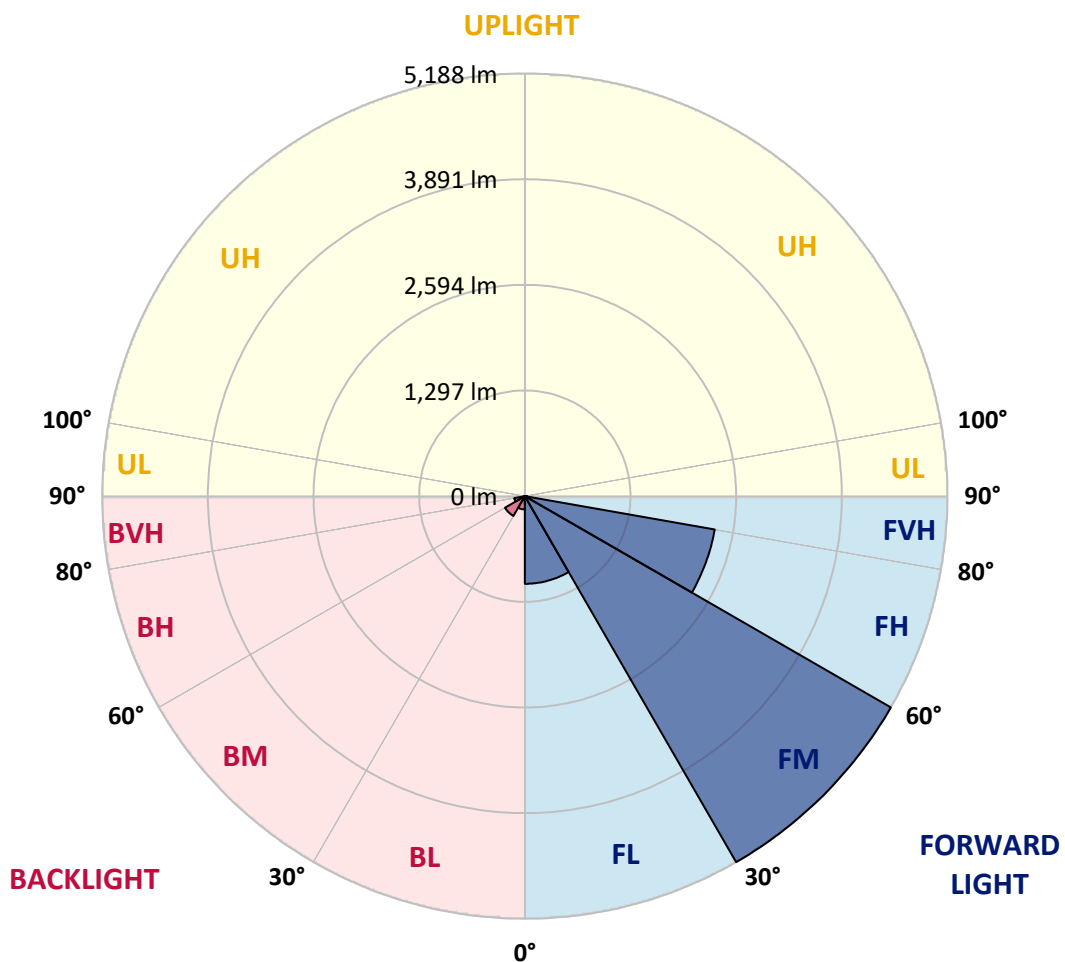
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1076.0	11.6			
FM (30°-60°)	5187.9	56.2			
FH (60°-80°)	2366.9	25.6			G2/5000
FVH (80°-90°)	29.2	0.3			G1/100
BL (0°-30°)	163.7	1.8	B1/500		
BM (30°-60°)	280.8	3.0	B1/1000		
BH (60°-80°)	130.9	1.4	B1/500		G1/500
BVH (80°-90°)	1.8	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	884.8	884.8	884.8	884.8	884.8	884.8	884.8	884.8	884.8	884.8	884.8
2.5°	1328.4	1280.0	1289.2	1269.2	1243.3	1183.3	1119.9	1056.5	999.8	987.3	930.6
5°	1701.1	1686.1	1670.3	1656.9	1602.7	1527.7	1413.4	1268.3	1137.4	1114.9	997.3
7.5°	1990.5	1968.0	1982.1	1941.3	1884.6	1812.0	1666.9	1511.8	1310.0	1276.7	1094.1
10°	2204.0	2191.5	2198.1	2178.9	2151.4	2078.9	1935.4	1741.2	1507.7	1444.3	1202.5
12.5°	2364.1	2366.6	2395.8	2397.4	2374.9	2315.7	2163.9	1961.3	1687.0	1630.2	1322.5
15°	2480.8	2483.3	2519.2	2557.5	2583.4	2552.5	2414.9	2188.1	1897.9	1820.4	1448.5
17.5°	2500.0	2501.7	2565.0	2642.6	2722.6	2749.3	2643.4	2413.3	2090.6	2002.2	1592.7
20°	2512.5	2526.7	2583.4	2672.6	2799.4	2881.9	2824.4	2629.2	2277.3	2174.8	1734.5
22.5°	2664.3	2664.3	2697.6	2761.0	2861.9	2991.1	2979.5	2827.7	2459.1	2357.4	1875.4
25°	2986.1	2986.1	2953.6	2936.9	2991.1	3092.9	3122.1	3039.5	2666.8	2546.7	2023.8
27.5°	3412.3	3412.3	3361.4	3238.8	3192.1	3234.6	3265.5	3223.8	2858.6	2740.1	2180.6
30°	3854.2	3869.2	3780.8	3624.9	3461.5	3428.9	3398.9	3389.7	3062.9	2929.4	2339.9
32.5°	4297.8	4296.2	4186.1	3991.8	3778.3	3663.3	3565.7	3554.9	3279.7	3148.8	2490.8
35°	4652.2	4653.1	4537.2	4337.9	4091.0	3944.3	3787.5	3736.6	3517.3	3371.4	2670.9
37.5°	4959.1	4941.6	4816.5	4627.2	4397.1	4245.3	4050.2	3917.6	3763.3	3614.9	2851.1
40°	5135.1	5111.7	4990.0	4809.9	4635.6	4519.7	4347.9	4136.1	4033.5	3873.4	3056.2
42.5°	5160.9	5140.9	5060.0	4951.6	4809.0	4707.3	4661.4	4382.9	4317.0	4171.9	3301.4
45°	5088.4	5055.8	5029.2	4972.5	4932.4	4883.2	4945.8	4645.6	4642.2	4498.0	3544.0
47.5°	4908.3	4864.1	4870.7	4933.3	4978.3	5022.5	5217.6	4990.0	4970.0	4834.9	3862.6
50°	4600.5	4578.9	4652.2	4775.7	4954.1	5130.9	5488.6	5341.9	5421.1	5294.3	4302.0
52.5°	3975.1	4001.8	4221.1	4518.0	4826.5	5181.8	5743.0	5867.2	6069.9	5965.6	4744.0
55°	3224.6	3214.6	3507.3	4034.3	4527.2	5149.2	5853.9	6176.6	6495.1	6385.9	4990.0
57.5°	2597.6	2615.1	2812.7	3333.9	4019.3	4898.2	5879.7	6338.4	6666.1	6593.5	5217.6
60°	1949.6	1966.3	2146.4	2600.1	3343.9	4374.6	5666.3	6395.1	6987.1	6932.1	5581.2
62.5°	1240.8	1262.5	1443.5	1884.6	2555.9	3560.7	5186.8	6335.9	7322.4	7368.2	6077.4
65°	610.4	629.6	763.0	1100.7	1708.6	2662.6	4518.0	6109.9	7749.3	7880.2	6475.1
67.5°	337.7	346.9	392.8	560.4	953.1	1826.2	3630.7	5627.1	7945.3	8120.4	6501.8
70°	262.7	265.2	282.7	326.9	464.5	1071.5	2582.5	4823.2	7539.2	7751.0	5960.6
72.5°	221.0	224.3	232.7	247.7	290.2	557.9	1622.7	3727.5	6343.4	6439.3	4611.4
75°	161.8	166.8	190.1	203.5	229.3	338.6	715.5	2239.8	4191.9	4097.7	2580.0
77.5°	135.9	140.1	145.9	165.1	189.3	231.0	251.0	939.0	1706.1	1483.5	677.1
80°	92.6	97.6	113.4	123.4	160.1	152.6	104.2	251.8	342.7	279.4	130.1
82.5°	65.9	70.0	78.4	100.9	115.9	80.9	56.7	76.7	82.6	78.4	42.5
85°	20.8	26.7	56.7	83.4	62.5	27.5	35.9	29.2	25.9	25.0	16.7
87.5°	4.2	4.2	28.4	33.4	25.0	14.2	12.5	9.2	11.7	11.7	9.2
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°	884.8	884.8	884.8	884.8	884.8	884.8	884.8	884.8	884.8	884.8	884.8
2.5°	903.9	866.4	812.2	761.3	709.6	672.9	647.1	621.2	611.2	607.1	596.2
5°	944.0	872.2	764.7	677.9	614.6	574.5	550.4	529.5	516.2	512.0	506.2
7.5°	1001.5	898.1	743.8	643.8	580.4	537.0	497.8	452.8	416.9	402.8	396.9
10°	1064.0	937.3	747.2	637.1	552.9	457.8	370.2	297.7	266.0	254.3	246.0
12.5°	1155.8	980.6	761.3	629.6	470.3	326.9	236.8	206.8	199.3	197.6	196.0
15°	1247.5	1041.5	784.7	579.6	351.1	222.6	196.8	186.0	181.8	177.6	177.6
17.5°	1340.1	1099.9	793.9	482.0	242.7	192.6	179.3	170.1	163.4	160.1	157.6
20°	1444.3	1161.6	767.2	362.7	194.3	175.9	160.9	150.1	144.3	140.9	138.4
22.5°	1556.9	1222.5	708.8	252.7	176.8	158.4	144.3	133.4	127.6	124.2	123.4
25°	1662.8	1275.0	615.4	190.1	159.3	141.8	128.4	119.2	115.1	111.7	110.9
27.5°	1772.0	1320.0	493.7	167.6	145.1	128.4	115.1	107.6	103.4	100.9	100.1
30°	1878.7	1350.9	367.7	153.4	132.6	115.9	104.2	98.4	94.2	91.7	90.9
32.5°	1988.8	1368.4	248.5	140.9	120.1	105.1	95.1	89.2	86.7	84.2	84.2
35°	2094.7	1365.9	179.3	129.3	110.1	95.1	85.9	81.7	80.9	78.4	78.4
37.5°	2210.6	1348.4	152.6	118.4	99.2	85.9	78.4	75.9	75.0	73.4	72.5
40°	2342.4	1309.2	139.3	110.1	90.1	78.4	71.7	70.0	69.2	67.5	67.5
42.5°	2486.6	1258.3	131.8	100.9	82.6	70.9	65.9	63.4	62.5	60.9	60.9
45°	2654.3	1210.0	126.8	91.7	75.9	65.0	60.0	57.5	56.7	55.0	55.0
47.5°	2882.7	1182.5	118.4	83.4	68.4	59.2	54.2	52.5	50.9	49.2	49.2
50°	3197.1	1149.9	107.6	75.0	62.5	53.4	50.0	47.5	46.7	45.0	45.0
52.5°	3455.6	1080.7	96.7	66.7	55.9	49.2	45.9	44.2	42.5	41.7	41.7
55°	3546.5	999.8	85.9	60.0	50.9	45.9	42.5	40.9	40.0	39.2	39.2
57.5°	3691.6	974.0	75.9	53.4	45.9	42.5	39.2	38.4	37.5	36.7	35.9
60°	3939.3	989.0	66.7	47.5	41.7	38.4	35.9	35.0	33.4	31.7	31.7
62.5°	4179.4	970.6	56.7	41.7	35.9	34.2	31.7	30.0	26.7	24.2	22.5
65°	4237.8	848.1	49.2	35.0	30.0	28.4	25.9	22.5	17.5	14.2	14.2
67.5°	3955.1	644.6	42.5	30.0	25.0	23.3	18.3	15.0	10.8	8.3	8.3
70°	3263.8	408.6	35.0	23.3	20.8	15.8	11.7	10.8	7.5	6.7	5.8
72.5°	2354.9	223.5	29.2	19.2	15.0	10.0	8.3	6.7	5.0	3.3	3.3
75°	1192.5	105.1	21.7	15.0	10.0	6.7	5.0	3.3	3.3	2.5	2.5
77.5°	337.7	48.4	14.2	10.0	6.7	4.2	3.3	2.5	2.5	1.7	1.7
80°	66.7	24.2	9.2	6.7	5.0	3.3	2.5	1.7	1.7	0.8	0.8
82.5°	24.2	12.5	6.7	5.0	4.2	3.3	1.7	0.8	0.8	0.0	0.0
85°	12.5	6.7	5.0	4.2	3.3	2.5	1.7	0.8	0.0	0.0	0.0
87.5°	6.7	5.0	4.2	4.2	3.3	2.5	1.7	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)