

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: P674568

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

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674568  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2E-740-U-T2R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ T2R distribution lens and House Side Shield  
Light Source: (32) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

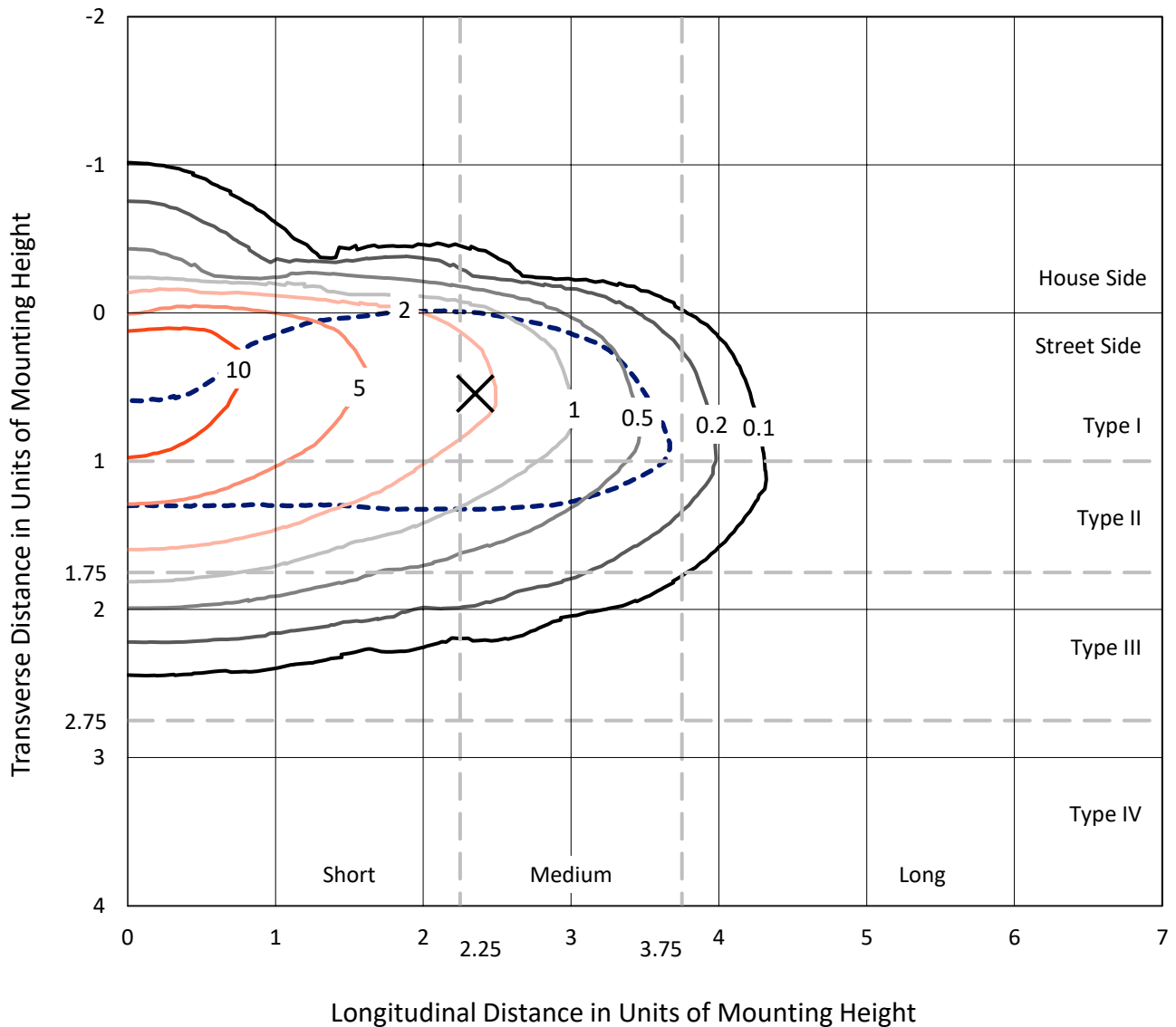
Lumens per Lamp: N/A  
Luminaire Lumens: 11071.1 lumens  
Efficiency: N/A  
Efficacy: 103.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 106.6  
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: P674568  
 CATALOG NUMBER: CCP-SA-2E-740-U-T2R-HSS

### Iso-Footcandle Lines of Horizontal Illumination

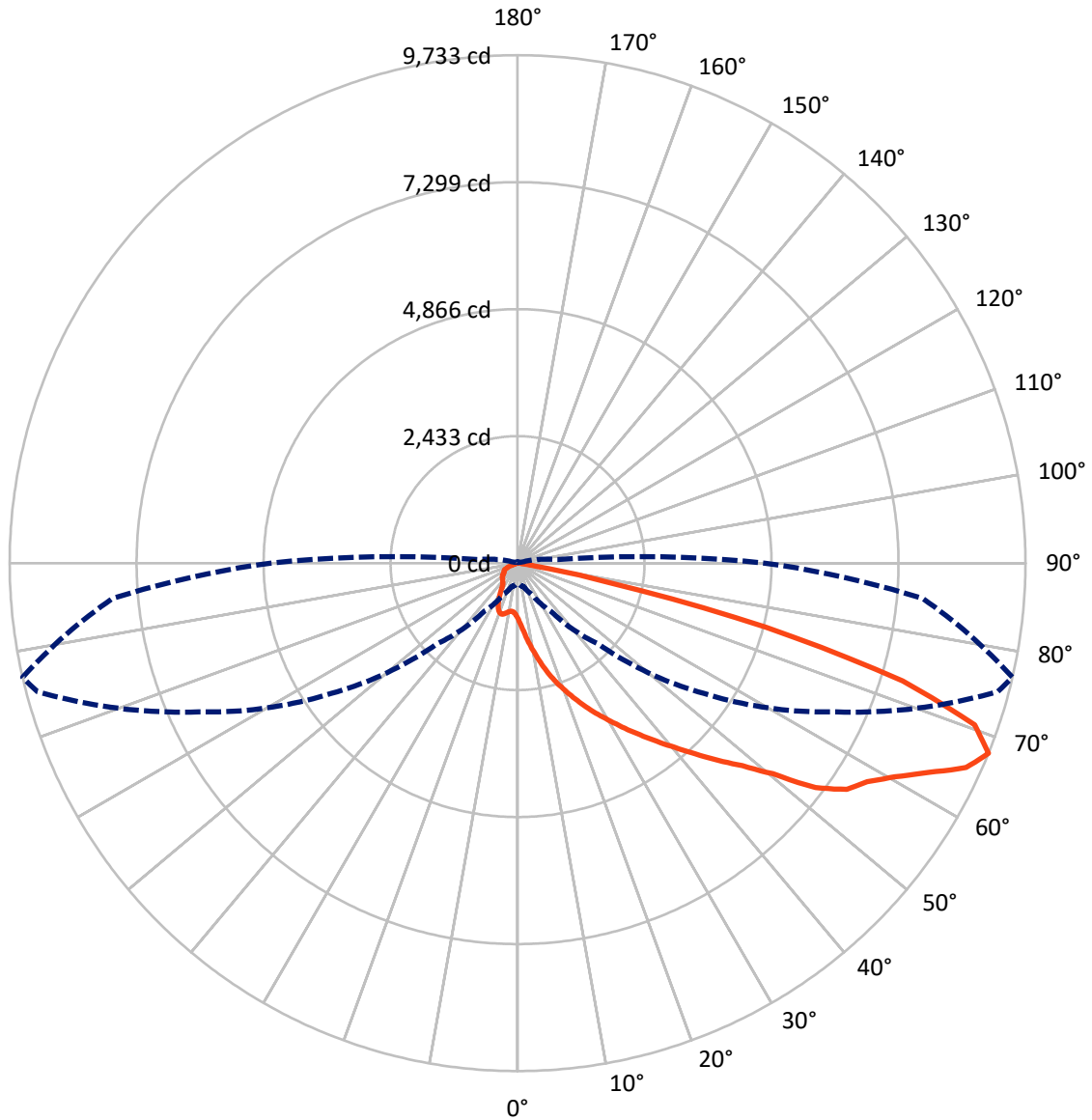
✕ Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 13.7 fc  
 Type II - Medium - N/A

REPORT NUMBER: P674568  
CATALOG NUMBER: CCP-SA-2E-740-U-T2R-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P674568  
 CATALOG NUMBER: CCP-SA-2E-740-U-T2R-HSS

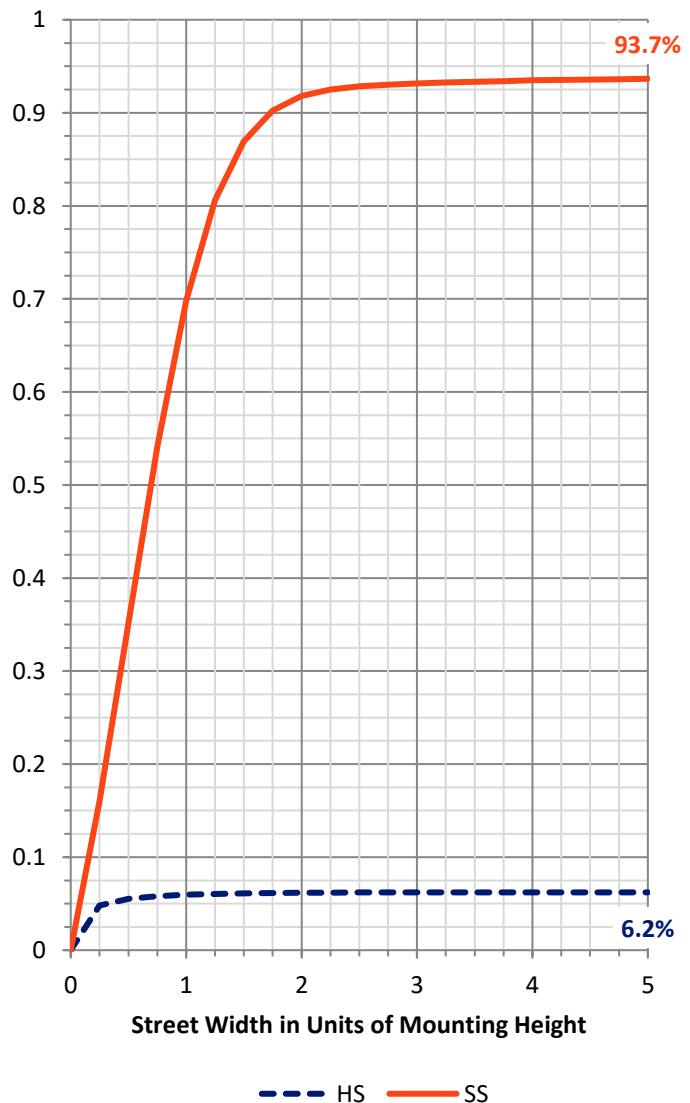
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	691.9	0.0	691.9
	% Fixture	6.2	0.0	6.2
<b>Street Side</b>	Lumens	10379.3	0.0	10379.3
	% Fixture	93.8	0.0	93.8
<b>Total</b>	Lumens	11071.1	0.0	11071.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	124.6	1.1
10°-20°	460.9	4.2
20°-30°	900.4	8.1
30°-40°	1574.1	14.2
40°-50°	2295.8	20.7
50°-60°	2684.5	24.2
60°-70°	2176.2	19.7
70°-80°	817.5	7.4
80°-90°	37.2	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°	11071.1	100.0
0°-180°	11071.1	100.0

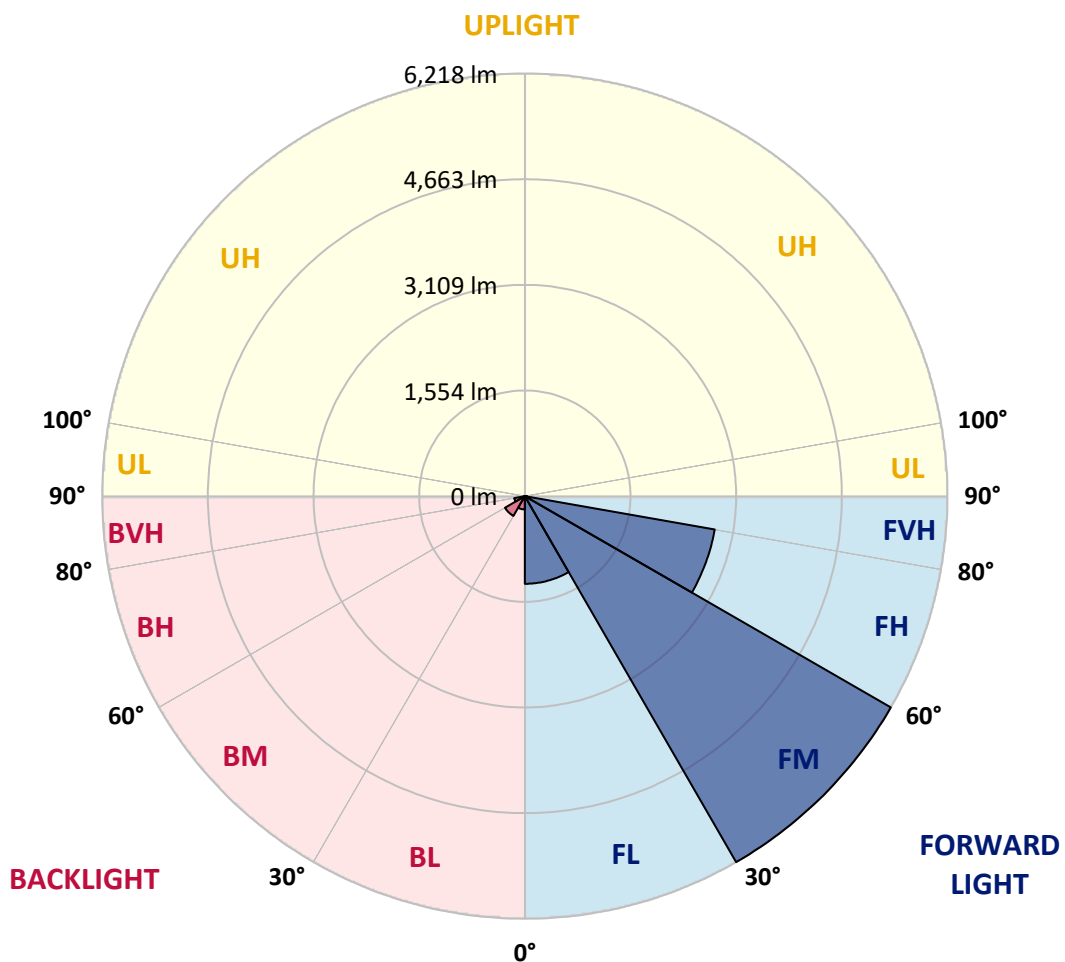


REPORT NUMBER: P674568  
 CATALOG NUMBER: CCP-SA-2E-740-U-T2R-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1289.7	11.6			
FM (30°-60°)	6217.8	56.2			
FH (60°-80°)	2836.8	25.6			G2/5000
FVH (80°-90°)	35.0	0.3			G1/100
BL (0°-30°)	196.2	1.8	B1/500		
BM (30°-60°)	336.6	3.0	B1/1000		
BH (60°-80°)	156.9	1.4	B1/500		G1/500
BVH (80°-90°)	2.1	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: P674568

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

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	1060.4	1060.4	1060.4	1060.4	1060.4	1060.4	1060.4	1060.4	1060.4	1060.4	1060.4
2.5°	1592.1	1534.1	1545.1	1521.1	1490.2	1418.2	1342.2	1266.3	1198.3	1183.3	1115.4
5°	2038.9	2020.9	2001.9	1985.9	1920.9	1831.0	1694.0	1520.1	1363.2	1336.2	1195.3
7.5°	2385.7	2358.7	2375.7	2326.7	2258.7	2171.8	1997.9	1812.0	1570.1	1530.1	1311.3
10°	2641.5	2626.5	2634.5	2611.5	2578.6	2491.6	2319.7	2086.8	1807.0	1731.0	1441.2
12.5°	2833.4	2836.4	2871.4	2873.4	2846.4	2775.4	2593.5	2350.7	2021.9	1953.9	1585.1
15°	2973.3	2976.3	3019.3	3065.3	3096.3	3059.3	2894.4	2622.5	2274.7	2181.8	1736.0
17.5°	2996.3	2998.3	3074.3	3167.2	3263.2	3295.1	3168.2	2892.4	2505.6	2399.7	1908.9
20°	3011.3	3028.3	3096.3	3203.2	3355.1	3454.1	3385.1	3151.2	2729.5	2606.5	2078.8
22.5°	3193.2	3193.2	3233.2	3309.1	3430.1	3585.0	3571.0	3389.1	2947.3	2825.4	2247.7
25°	3579.0	3579.0	3540.0	3520.0	3585.0	3706.9	3741.9	3643.0	3196.2	3052.3	2425.6
27.5°	4089.7	4089.7	4028.7	3881.8	3825.8	3876.8	3913.8	3863.8	3426.1	3284.2	2613.5
30°	4619.4	4637.4	4531.5	4344.6	4148.7	4109.7	4073.7	4062.7	3670.9	3511.0	2804.4
32.5°	5151.1	5149.1	5017.2	4784.3	4528.5	4390.5	4273.6	4260.6	3930.8	3773.9	2985.3
35°	5575.9	5576.9	5437.9	5199.1	4903.2	4727.3	4539.4	4478.5	4215.6	4040.7	3201.2
37.5°	5943.7	5922.7	5772.8	5545.9	5270.0	5088.1	4854.3	4695.4	4510.5	4332.6	3417.1
40°	6154.5	6126.6	5980.6	5764.8	5555.9	5417.0	5211.1	4957.2	4834.3	4642.4	3662.9
42.5°	6185.5	6161.5	6064.6	5934.7	5763.8	5641.8	5586.9	5253.0	5174.1	5000.2	3956.8
45°	6098.6	6059.6	6027.6	5959.6	5911.7	5852.7	5927.7	5567.9	5563.9	5391.0	4247.6
47.5°	5882.7	5829.7	5837.7	5912.7	5966.6	6019.6	6253.5	5980.6	5956.7	5794.7	4629.4
50°	5513.9	5487.9	5575.9	5723.8	5937.7	6149.5	6578.3	6402.4	6497.3	6345.4	5156.1
52.5°	4764.3	4796.3	5059.2	5415.0	5784.7	6210.5	6883.1	7032.0	7274.9	7150.0	5685.8
55°	3864.8	3852.8	4203.6	4835.3	5425.9	6171.5	7016.1	7402.8	7784.6	7653.7	5980.6
57.5°	3113.2	3134.2	3371.1	3995.8	4817.3	5870.7	7047.0	7596.7	7989.5	7902.6	6253.5
60°	2336.7	2356.7	2572.6	3116.2	4007.7	5243.1	6791.2	7664.7	8374.3	8308.3	6689.2
62.5°	1487.2	1513.1	1730.0	2258.7	3063.3	4267.6	6216.5	7593.7	8776.1	8831.0	7283.9
65°	731.6	754.6	914.5	1319.3	2047.8	3191.2	5415.0	7322.9	9287.8	9444.7	7760.6
67.5°	404.8	415.8	470.7	671.6	1142.4	2188.8	4351.6	6744.2	9522.6	9732.5	7792.6
70°	314.8	317.8	338.8	391.8	556.7	1284.3	3095.3	5780.8	9035.9	9289.8	7144.0
72.5°	264.9	268.8	278.8	296.8	347.8	668.6	1944.9	4467.5	7602.7	7717.7	5526.9
75°	193.9	199.9	227.9	243.9	274.8	405.8	857.5	2684.5	5024.2	4911.2	3092.3
77.5°	162.9	167.9	174.9	197.9	226.9	276.8	300.8	1125.4	2044.9	1778.0	811.5
80°	110.9	116.9	135.9	147.9	191.9	182.9	124.9	301.8	410.8	334.8	155.9
82.5°	79.0	84.0	93.9	120.9	138.9	96.9	68.0	91.9	98.9	93.9	51.0
85°	25.0	32.0	68.0	99.9	75.0	33.0	43.0	35.0	31.0	30.0	20.0
87.5°	5.0	5.0	34.0	40.0	30.0	17.0	15.0	11.0	14.0	14.0	11.0
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: P674568  
 CATALOG NUMBER: CCP-SA-2E-740-U-T2R-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1060.4	1060.4	1060.4	1060.4	1060.4	1060.4	1060.4	1060.4	1060.4	1060.4	1060.4
2.5°	1083.4	1038.4	973.5	912.5	850.5	806.5	775.6	744.6	732.6	727.6	714.6
5°	1131.4	1045.4	916.5	812.5	736.6	688.6	659.6	634.6	618.7	613.7	606.7
7.5°	1200.3	1076.4	891.5	771.6	695.6	643.6	596.7	542.7	499.7	482.7	475.7
10°	1275.3	1123.4	895.5	763.6	662.6	548.7	443.8	356.8	318.8	304.8	294.8
12.5°	1385.2	1175.3	912.5	754.6	563.7	391.8	283.8	247.9	238.9	236.9	234.9
15°	1495.2	1248.3	940.5	694.6	420.8	266.8	235.9	222.9	217.9	212.9	212.9
17.5°	1606.1	1318.3	951.5	577.7	290.8	230.9	214.9	203.9	195.9	191.9	188.9
20°	1731.0	1392.2	919.5	434.8	232.9	210.9	192.9	179.9	172.9	168.9	165.9
22.5°	1866.0	1465.2	849.5	302.8	211.9	189.9	172.9	159.9	152.9	148.9	147.9
25°	1992.9	1528.1	737.6	227.9	190.9	169.9	153.9	142.9	137.9	133.9	132.9
27.5°	2123.8	1582.1	591.7	200.9	173.9	153.9	137.9	128.9	123.9	120.9	119.9
30°	2251.7	1619.1	440.8	183.9	158.9	138.9	124.9	117.9	112.9	109.9	108.9
32.5°	2383.7	1640.1	297.8	168.9	143.9	125.9	113.9	106.9	103.9	100.9	100.9
35°	2510.6	1637.1	214.9	154.9	131.9	113.9	102.9	97.9	96.9	93.9	93.9
37.5°	2649.5	1616.1	182.9	141.9	118.9	102.9	93.9	90.9	89.9	88.0	87.0
40°	2807.4	1569.1	166.9	131.9	107.9	93.9	86.0	84.0	83.0	81.0	81.0
42.5°	2980.3	1508.2	157.9	120.9	98.9	85.0	79.0	76.0	75.0	73.0	73.0
45°	3181.2	1450.2	151.9	109.9	90.9	78.0	72.0	69.0	68.0	66.0	66.0
47.5°	3455.1	1417.2	141.9	99.9	82.0	71.0	65.0	63.0	61.0	59.0	59.0
50°	3831.8	1378.2	128.9	89.9	75.0	64.0	60.0	57.0	56.0	54.0	54.0
52.5°	4141.7	1295.3	115.9	80.0	67.0	59.0	55.0	53.0	51.0	50.0	50.0
55°	4250.6	1198.3	102.9	72.0	61.0	55.0	51.0	49.0	48.0	47.0	47.0
57.5°	4424.5	1167.3	90.9	64.0	55.0	51.0	47.0	46.0	45.0	44.0	43.0
60°	4721.3	1185.3	80.0	57.0	50.0	46.0	43.0	42.0	40.0	38.0	38.0
62.5°	5009.2	1163.3	68.0	50.0	43.0	41.0	38.0	36.0	32.0	29.0	27.0
65°	5079.1	1016.4	59.0	42.0	36.0	34.0	31.0	27.0	21.0	17.0	17.0
67.5°	4740.3	772.6	51.0	36.0	30.0	28.0	22.0	18.0	13.0	10.0	10.0
70°	3911.8	489.7	42.0	28.0	25.0	19.0	14.0	13.0	9.0	8.0	7.0
72.5°	2822.4	267.8	35.0	23.0	18.0	12.0	10.0	8.0	6.0	4.0	4.0
75°	1429.2	125.9	26.0	18.0	12.0	8.0	6.0	4.0	4.0	3.0	3.0
77.5°	404.8	58.0	17.0	12.0	8.0	5.0	4.0	3.0	3.0	2.0	2.0
80°	80.0	29.0	11.0	8.0	6.0	4.0	3.0	2.0	2.0	1.0	1.0
82.5°	29.0	15.0	8.0	6.0	5.0	4.0	2.0	1.0	1.0	0.0	0.0
85°	15.0	8.0	6.0	5.0	4.0	3.0	2.0	1.0	0.0	0.0	0.0
87.5°	8.0	6.0	5.0	5.0	4.0	3.0	2.0	1.0	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)