

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: P673280

Luminaire Tested: **CCP-SA-2B-750-U-T3-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P673280  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2B-750-U-T3-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ T3 distribution lens and House Side Shield  
Light Source: (32) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

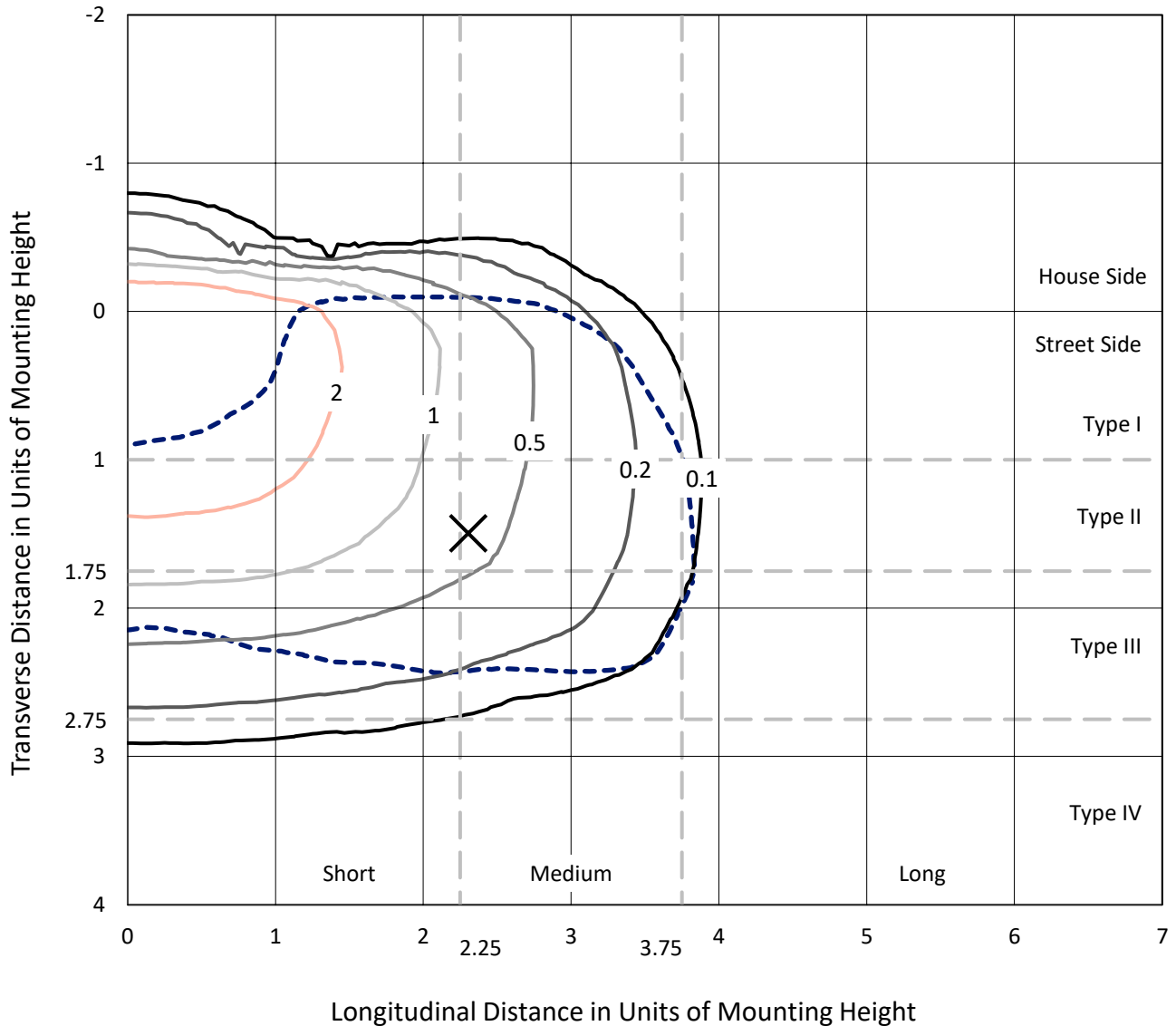
Lumens per Lamp: N/A  
Luminaire Lumens: 5089.2 lumens  
Efficiency: N/A  
Efficacy: 110.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

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

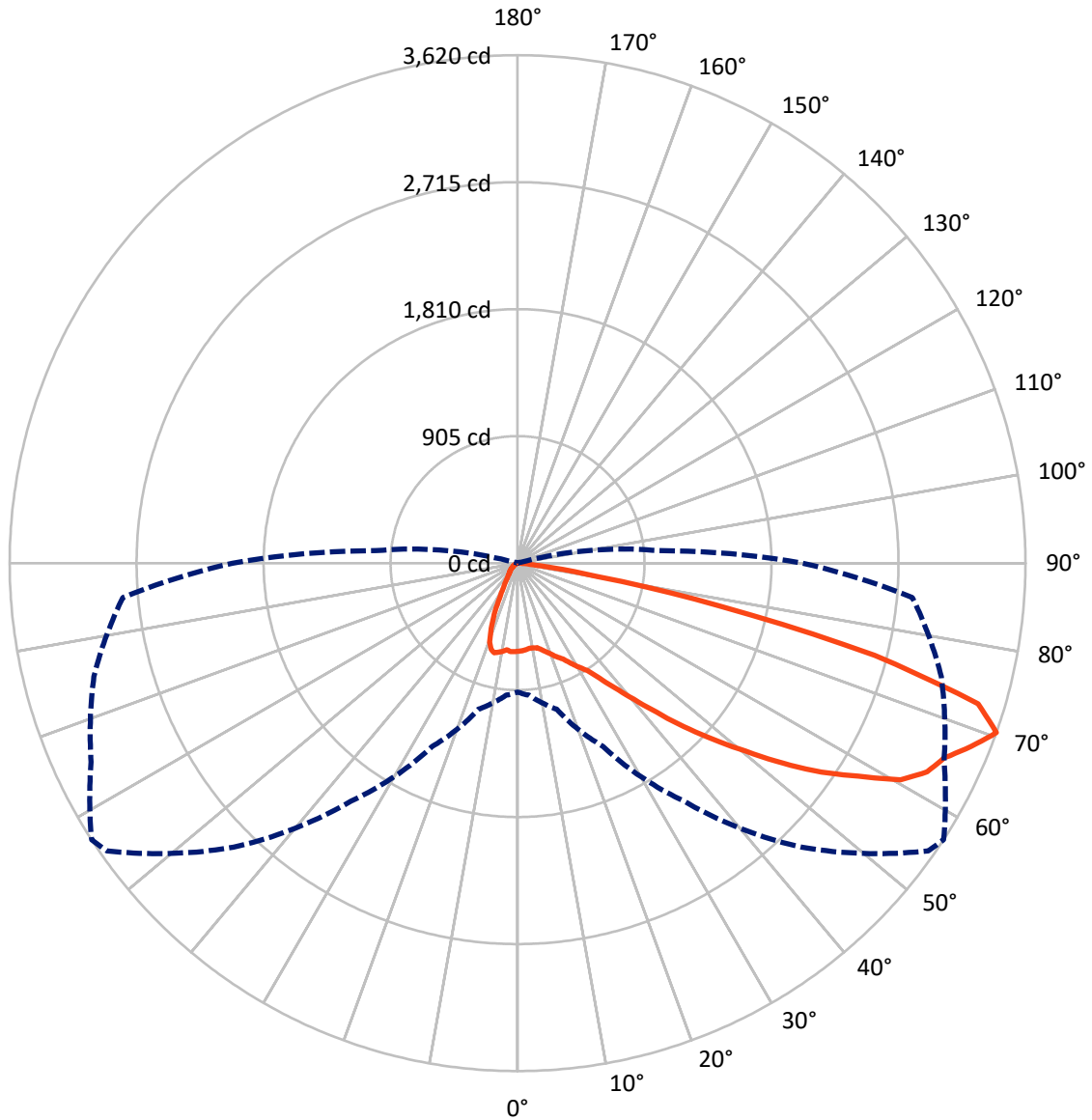
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.6 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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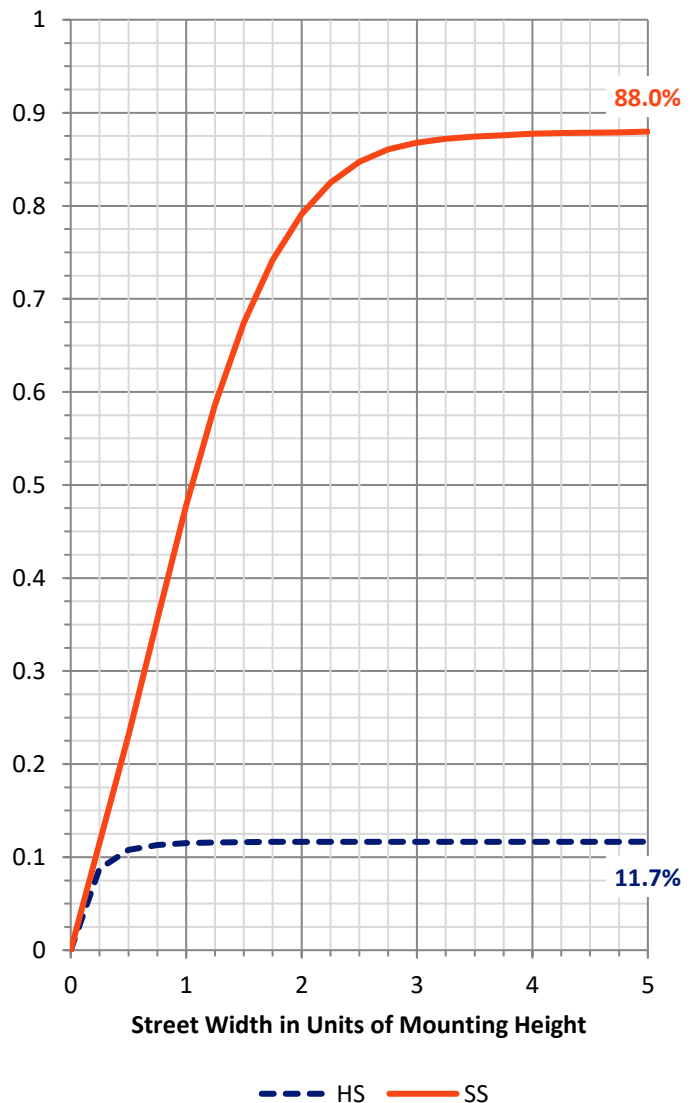
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	599.9	0.0	599.9
	% Fixture	11.8	0.0	11.8
<b>Street Side</b>	Lumens	4489.4	0.0	4489.4
	% Fixture	88.2	0.0	88.2
<b>Total</b>	Lumens	5089.2	0.0	5089.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.7	1.2
10°-20°	164.1	3.2
20°-30°	276.4	5.4
30°-40°	473.0	9.3
40°-50°	794.2	15.6
50°-60°	1219.1	24.0
60°-70°	1407.5	27.7
70°-80°	664.8	13.1
80°-90°	31.5	0.6
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°	5089.2	100.0
0°-180°	5089.2	100.0



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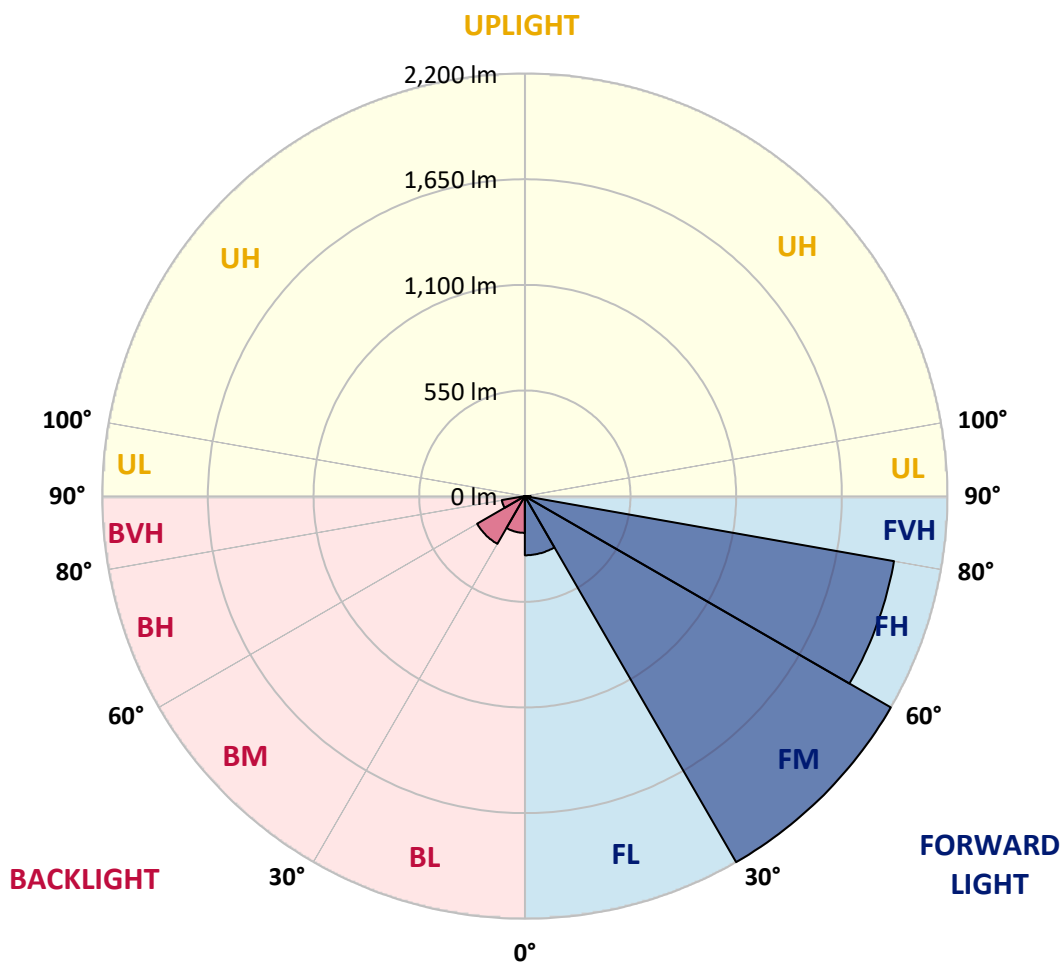
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	307.9	6.0			
FM (30°-60°)	2199.5	43.2			
FH (60°-80°)	1951.0	38.3			G2/5000
FVH (80°-90°)	31.0	0.6			G1/100
BL (0°-30°)	191.2	3.8	B1/500		
BM (30°-60°)	286.7	5.6	B1/1000		
BH (60°-80°)	121.3	2.4	B1/500		G1/500
BVH (80°-90°)	0.6	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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	627.9	627.9	627.9	627.9	627.9	627.9	627.9	627.9	627.9	627.9	627.9
2.5°	618.8	614.9	618.8	624.0	618.8	622.7	621.4	625.3	620.1	620.1	624.0
5°	578.5	585.0	587.6	594.1	600.6	612.3	620.1	620.1	627.9	631.8	637.0
7.5°	564.2	553.8	564.2	569.4	575.9	595.4	607.1	612.3	622.7	637.0	644.8
10°	543.4	551.2	551.2	568.1	577.2	588.9	609.7	613.6	637.0	651.3	659.1
12.5°	542.1	542.1	548.6	560.3	578.5	600.6	626.6	618.8	643.5	669.5	682.6
15°	546.0	555.1	555.1	570.7	585.0	616.2	638.3	639.6	674.7	700.8	712.5
17.5°	562.9	559.0	564.2	573.3	595.4	625.3	661.7	665.6	706.0	741.1	758.0
20°	598.0	604.5	596.7	591.5	600.6	639.6	686.5	694.3	739.8	773.6	790.5
22.5°	729.4	724.2	693.0	656.5	640.9	659.1	709.9	728.1	781.4	821.7	836.0
25°	877.6	868.5	832.1	777.5	706.0	698.2	756.7	756.7	833.4	877.6	873.7
27.5°	1018.0	1015.4	972.5	915.3	813.9	758.0	794.4	808.7	891.9	928.3	911.4
30°	1161.0	1163.6	1124.6	1055.7	949.1	854.2	847.7	859.4	936.1	993.3	958.2
32.5°	1327.4	1304.0	1276.7	1181.8	1084.3	977.7	916.6	911.4	985.5	1037.5	990.7
35°	1475.6	1461.3	1431.4	1345.6	1233.8	1106.4	1020.6	1007.6	1047.9	1116.8	1066.1
37.5°	1605.6	1591.3	1552.3	1495.1	1408.0	1266.3	1145.4	1125.9	1142.8	1215.6	1154.5
40°	1717.4	1721.3	1710.9	1655.0	1574.4	1445.7	1306.6	1275.4	1261.1	1326.1	1257.2
42.5°	1798.0	1835.7	1838.3	1769.4	1704.4	1634.2	1478.2	1453.5	1419.7	1474.3	1426.2
45°	1967.0	1946.2	1959.2	1934.5	1863.0	1852.6	1675.8	1661.5	1614.7	1632.9	1582.2
47.5°	2099.7	2095.8	2120.5	2080.2	2060.7	2062.0	1900.7	1876.0	1809.7	1843.5	1786.3
50°	2176.4	2155.6	2245.3	2276.5	2272.6	2288.2	2128.3	2107.5	2043.7	2093.2	1970.9
52.5°	2194.6	2232.3	2316.8	2429.9	2478.0	2510.5	2376.6	2368.8	2299.9	2331.1	2162.1
55°	2240.1	2276.5	2325.9	2511.8	2689.9	2697.7	2621.0	2628.8	2567.7	2559.9	2344.1
57.5°	2238.8	2231.0	2367.5	2583.3	2830.3	2942.1	2900.5	2862.8	2796.5	2719.8	2461.1
60°	2156.9	2153.0	2294.7	2592.4	2907.0	3163.1	3180.0	3135.8	2969.4	2856.3	2598.9
62.5°	1994.3	2009.9	2153.0	2514.4	2979.8	3242.4	3304.8	3274.9	3068.2	2947.3	2761.4
65°	1808.4	1775.9	1942.3	2319.4	2816.0	3219.0	3354.2	3343.8	3185.2	3046.1	2910.9
67.5°	1450.9	1465.2	1592.6	1995.6	2536.5	3133.2	3470.0	3485.6	3278.8	3133.2	2956.4
70°	919.2	945.2	1077.8	1441.8	2071.1	2862.8	3574.0	3619.5	3352.9	3125.4	2823.8
72.5°	267.8	278.2	458.9	719.0	1319.6	2296.0	3407.5	3431.0	3208.6	2836.8	2184.2
75°	88.4	93.6	135.2	234.0	517.4	1187.0	2517.0	2627.5	2553.4	2056.8	1249.4
77.5°	58.5	61.1	74.1	111.8	196.3	371.8	1349.5	1467.8	1439.2	963.4	403.0
80°	42.9	44.2	54.6	75.4	119.6	133.9	497.9	575.9	556.4	221.0	80.6
82.5°	27.3	27.3	40.3	53.3	75.4	66.3	144.3	159.9	156.0	84.5	31.2
85°	18.2	19.5	29.9	41.6	41.6	31.2	41.6	48.1	52.0	45.5	14.3
87.5°	5.2	6.5	16.9	28.6	16.9	15.6	14.3	15.6	18.2	24.7	7.8
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°	627.9	627.9	627.9	627.9	627.9	627.9	627.9	627.9	627.9	627.9	627.9
2.5°	627.9	633.1	631.8	634.4	630.5	626.6	630.5	630.5	630.5	626.6	624.0
5°	633.1	630.5	633.1	627.9	633.1	627.9	625.3	617.5	616.2	616.2	621.4
7.5°	640.9	643.5	631.8	631.8	620.1	622.7	616.2	617.5	614.9	611.0	608.4
10°	652.6	663.0	651.3	647.4	634.4	624.0	608.4	600.6	600.6	595.4	600.6
12.5°	685.2	681.2	674.7	661.7	646.1	625.3	587.6	549.9	518.7	495.3	507.0
15°	711.2	709.9	700.8	676.0	655.2	591.5	496.6	399.1	347.1	323.7	319.8
17.5°	751.5	747.6	732.0	699.5	630.5	490.1	340.6	258.7	208.0	196.3	192.4
20°	789.2	787.9	754.1	712.5	568.1	357.5	222.3	170.3	156.0	157.3	154.7
22.5°	829.5	823.0	782.7	696.9	452.4	237.9	158.6	152.1	146.9	145.6	148.2
25°	875.0	851.6	811.3	661.7	332.8	163.8	149.5	144.3	139.1	137.8	137.8
27.5°	893.2	877.6	824.3	577.2	210.6	143.0	140.4	133.9	127.4	123.5	122.2
30°	934.8	908.8	837.3	453.7	149.5	131.3	127.4	119.6	110.5	104.0	104.0
32.5°	976.4	945.2	838.6	317.2	124.8	118.3	111.8	101.4	89.7	83.2	84.5
35°	1028.4	985.5	824.3	205.4	111.8	104.0	91.0	79.3	68.9	63.7	63.7
37.5°	1116.8	1076.5	765.8	135.2	101.4	88.4	75.4	62.4	53.3	49.4	49.4
40°	1228.6	1176.6	685.2	106.6	89.7	75.4	59.8	48.1	42.9	39.0	39.0
42.5°	1362.5	1297.5	565.5	94.9	79.3	62.4	46.8	37.7	32.5	32.5	31.2
45°	1496.4	1389.8	443.3	87.1	70.2	52.0	36.4	29.9	27.3	26.0	26.0
47.5°	1687.5	1501.6	317.2	79.3	61.1	40.3	29.9	24.7	22.1	20.8	22.1
50°	1870.8	1606.9	224.9	71.5	50.7	32.5	24.7	22.1	19.5	18.2	18.2
52.5°	2032.0	1679.7	157.3	62.4	42.9	27.3	22.1	19.5	18.2	16.9	16.9
55°	2120.5	1655.0	107.9	53.3	35.1	23.4	19.5	16.9	15.6	14.3	14.3
57.5°	2211.5	1586.1	81.9	44.2	28.6	22.1	18.2	15.6	14.3	13.0	13.0
60°	2288.2	1535.4	63.7	35.1	23.4	18.2	15.6	13.0	11.7	10.4	9.1
62.5°	2292.1	1434.0	46.8	26.0	18.2	15.6	13.0	10.4	6.5	5.2	3.9
65°	2307.7	1327.4	33.8	19.5	13.0	11.7	9.1	5.2	2.6	0.0	0.0
67.5°	2253.1	1201.3	27.3	14.3	9.1	6.5	3.9	1.3	0.0	0.0	0.0
70°	2030.7	1014.1	20.8	10.4	6.5	3.9	1.3	0.0	0.0	0.0	0.0
72.5°	1453.5	659.1	14.3	7.8	2.6	1.3	0.0	0.0	0.0	0.0	0.0
75°	774.9	280.8	10.4	5.2	1.3	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	243.1	71.5	6.5	2.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0
80°	53.3	19.5	3.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	18.2	7.8	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.5	2.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.6	1.3	1.3	0.0	0.0	0.0	0.0	0.0	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)