

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: P670857

Luminaire Tested: **CCP-SA-2E-827-U-T3**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P670857  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2E-827-U-T3  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T3 distribution lens  
Light Source: (32) 2700K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

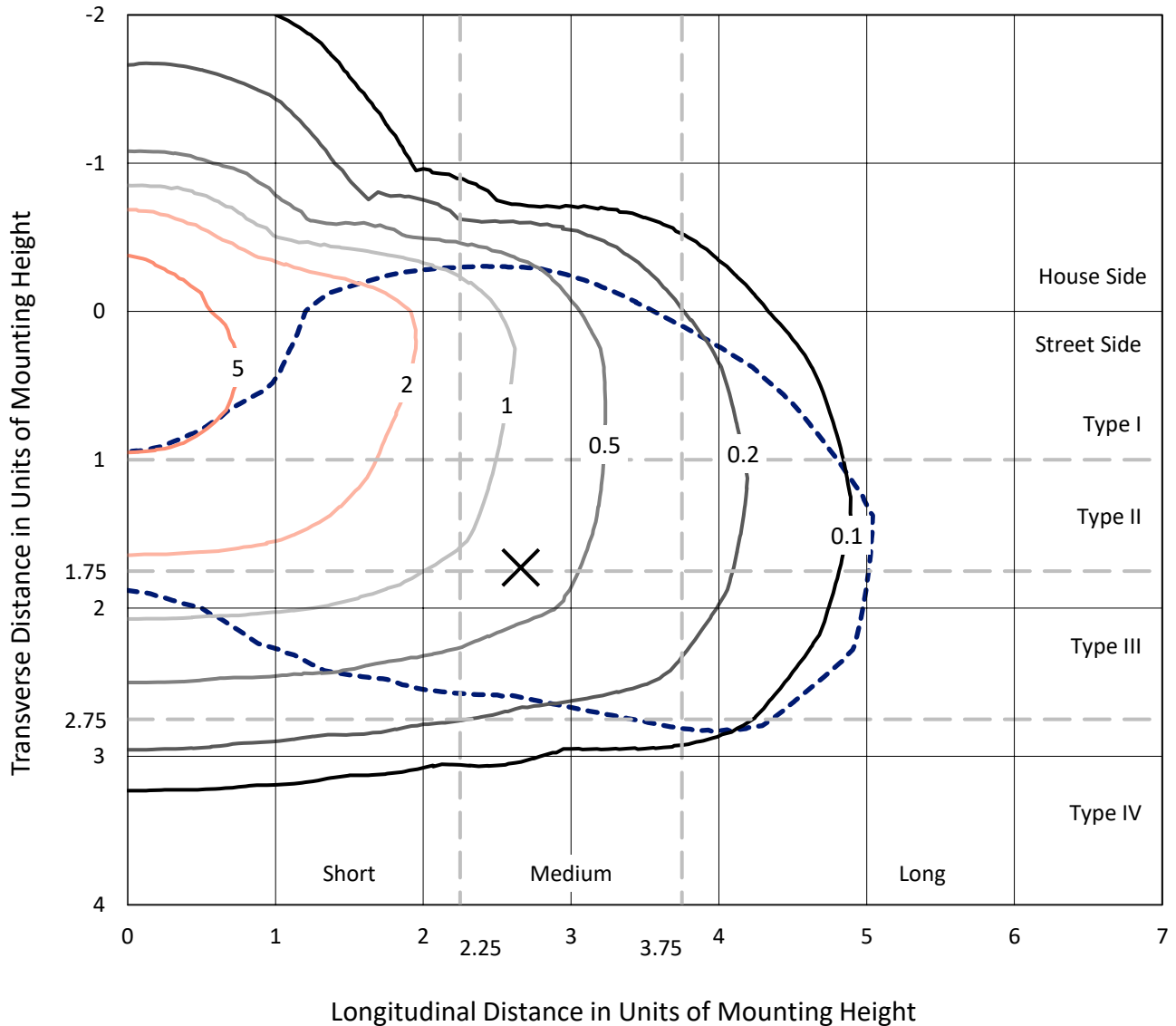
Lumens per Lamp: N/A  
Luminaire Lumens: 10155.5 lumens  
Efficiency: N/A  
Efficacy: 95.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G2

Input Watts (W): 106.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

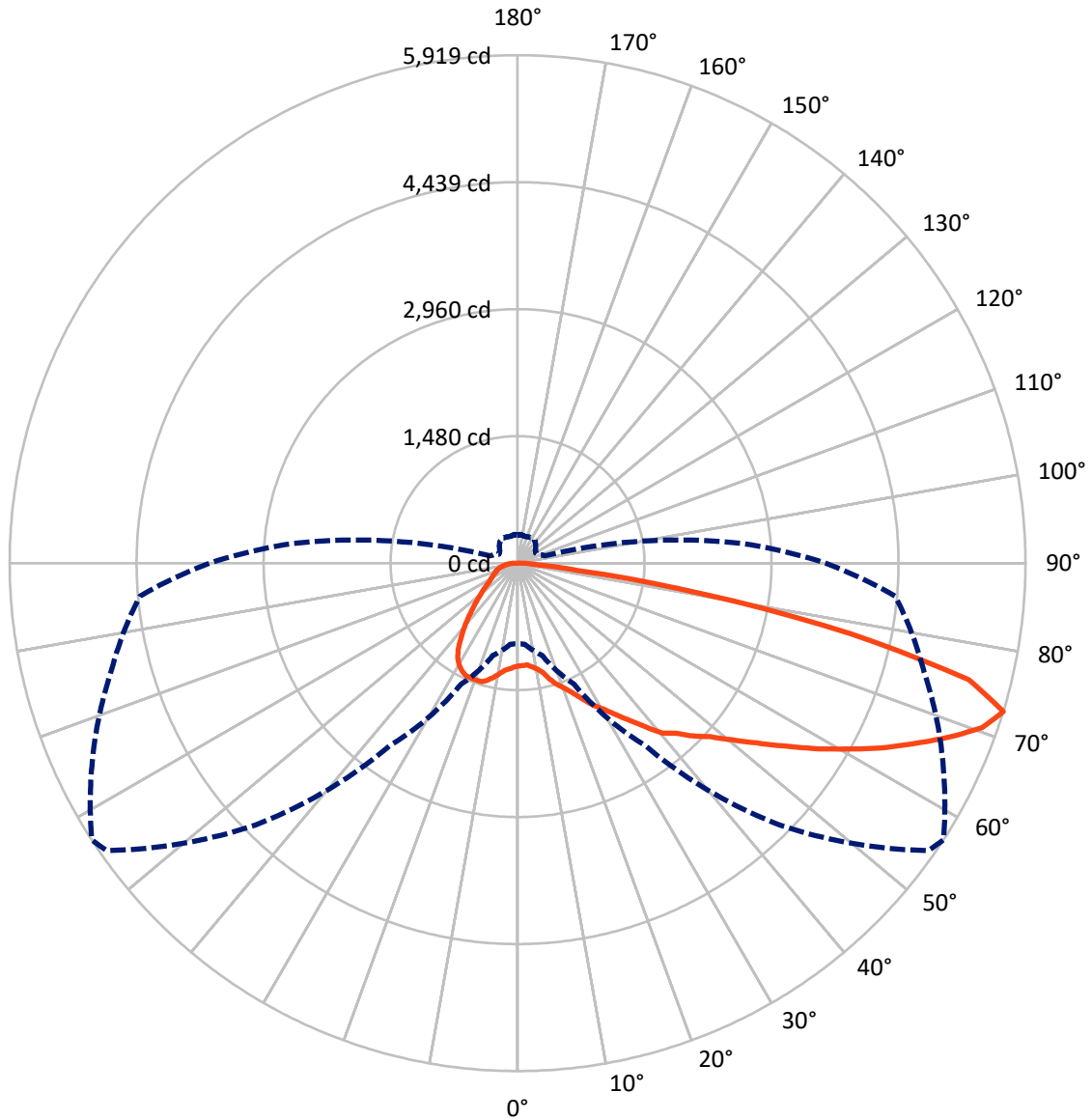
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.1 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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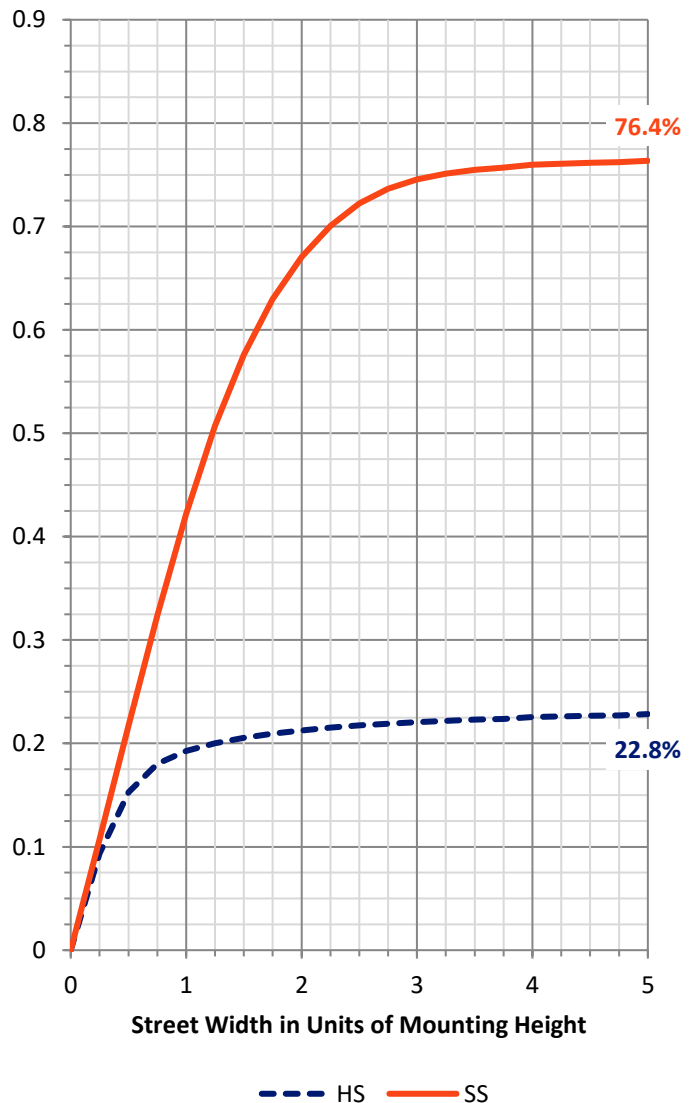
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2371.7	0.0	2371.7
	% Fixture	23.4	0.0	23.4
<b>Street Side</b>	Lumens	7783.8	0.0	7783.8
	% Fixture	76.6	0.0	76.6
<b>Total</b>	Lumens	10155.5	0.0	10155.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.0	1.2
10°-20°	401.0	3.9
20°-30°	733.0	7.2
30°-40°	1075.4	10.6
40°-50°	1480.7	14.6
50°-60°	2030.6	20.0
60°-70°	2447.7	24.1
70°-80°	1630.5	16.1
80°-90°	237.5	2.3
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°	10155.5	100.0
0°-180°	10155.5	100.0



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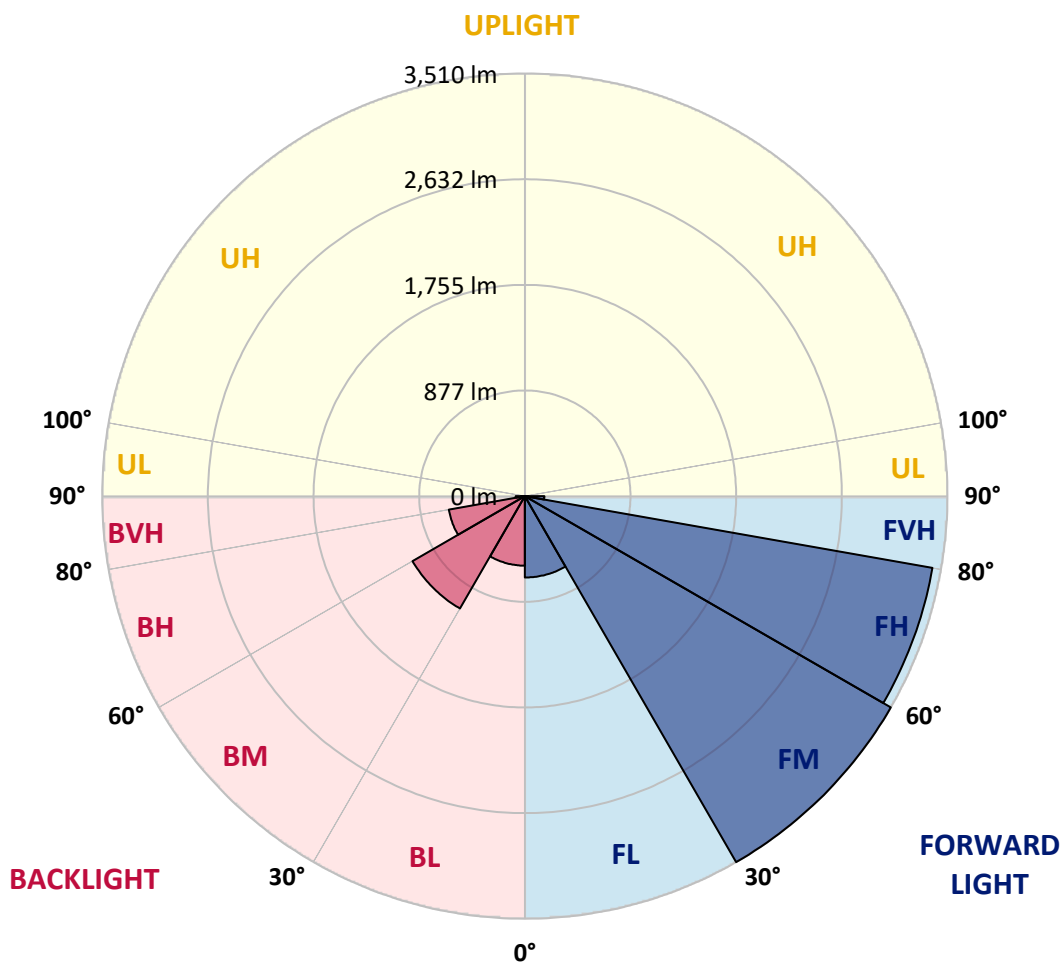
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	675.6	6.7			
FM (30°-60°)	3509.5	34.6			
FH (60°-80°)	3437.0	33.8			G2/5000
FVH (80°-90°)	161.7	1.6			G2/225
BL (0°-30°)	577.4	5.7	B2/1000		
BM (30°-60°)	1077.2	10.6	B2/2500		
BH (60°-80°)	641.3	6.3	B2/1000		G2/1000
BVH (80°-90°)	75.8	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1198.7	1198.7	1198.7	1198.7	1198.7	1198.7	1198.7	1198.7	1198.7	1198.7	1198.7
2.5°	1176.5	1180.2	1187.6	1183.9	1183.9	1172.8	1191.3	1195.0	1187.6	1191.3	1198.7
5°	1176.5	1183.9	1195.0	1187.6	1191.3	1187.6	1180.2	1191.3	1191.3	1195.0	1206.1
7.5°	1239.4	1235.7	1235.7	1224.6	1220.9	1217.2	1220.9	1220.9	1213.5	1217.2	1217.2
10°	1309.7	1309.7	1302.3	1302.3	1294.9	1276.4	1257.9	1254.2	1243.1	1246.8	1246.8
12.5°	1383.6	1391.0	1398.4	1376.2	1368.8	1339.3	1328.2	1306.0	1306.0	1298.6	1294.9
15°	1476.1	1465.0	1472.4	1465.0	1446.5	1416.9	1398.4	1402.1	1376.2	1368.8	1357.7
17.5°	1557.5	1561.2	1550.1	1542.7	1509.4	1487.2	1490.9	1487.2	1453.9	1442.8	1424.3
20°	1653.7	1650.0	1650.0	1627.8	1598.2	1568.6	1557.5	1553.8	1561.2	1539.0	1494.6
22.5°	1753.6	1738.8	1738.8	1720.3	1679.6	1661.1	1653.7	1638.9	1646.3	1627.8	1561.2
25°	1835.0	1835.0	1860.9	1823.9	1801.7	1764.7	1749.9	1753.6	1757.3	1720.3	1642.6
27.5°	1942.3	1923.8	1949.7	1931.2	1920.1	1879.4	1860.9	1872.0	1864.6	1823.9	1716.6
30°	2079.2	2082.9	2068.1	2042.2	2027.4	1997.8	1986.7	1975.6	1986.7	1934.9	1798.0
32.5°	2249.3	2260.4	2223.5	2193.9	2168.0	2138.4	2116.2	2105.1	2116.2	2038.5	1860.9
35°	2445.4	2456.5	2426.9	2393.6	2364.0	2290.0	2271.5	2253.0	2212.4	2086.6	1920.1
37.5°	2626.7	2611.9	2604.5	2604.5	2549.0	2441.7	2430.6	2419.5	2341.8	2182.8	2001.5
40°	2748.8	2767.3	2759.9	2752.5	2745.1	2645.2	2623.0	2604.5	2475.0	2327.0	2116.2
42.5°	2885.7	2874.6	2904.2	2915.3	2889.4	2859.8	2771.0	2708.1	2593.4	2475.0	2286.3
45°	3048.5	3041.1	3052.2	3092.9	3055.9	3067.0	2919.0	2874.6	2730.3	2660.0	2500.9
47.5°	3192.7	3211.2	3266.7	3277.8	3248.2	3300.0	3092.9	3022.6	2930.1	2874.6	2722.9
50°	3255.6	3277.8	3403.6	3481.3	3485.0	3566.4	3266.7	3237.1	3111.4	3133.5	3000.4
52.5°	3203.8	3274.1	3425.8	3629.3	3755.1	3836.5	3496.1	3481.3	3366.6	3436.9	3303.7
55°	3251.9	3318.5	3418.4	3703.3	4021.5	4039.9	3814.3	3758.8	3644.1	3740.3	3618.2
57.5°	3274.1	3237.1	3425.8	3784.7	4217.5	4265.6	4117.6	4076.9	3988.2	4080.6	4010.4
60°	3100.3	3144.6	3322.2	3762.5	4228.6	4506.1	4458.0	4398.8	4317.4	4402.5	4361.8
62.5°	2904.2	2933.8	3126.2	3629.3	4291.5	4680.0	4787.3	4742.9	4628.2	4702.2	4772.5
65°	2656.3	2660.0	2874.6	3392.5	4169.4	4779.9	5075.8	5072.1	4990.7	4972.2	5083.2
67.5°	2352.9	2382.5	2552.7	3140.9	4003.0	4890.9	5360.7	5416.2	5253.4	5109.1	5149.8
70°	1805.4	1835.0	1997.8	2574.9	3662.6	4857.6	5712.2	5741.8	5423.6	5057.3	4953.7
72.5°	939.7	947.1	1113.6	1553.8	2597.1	4313.7	5841.6	5919.3	5468.0	4905.7	4417.3
75°	310.8	310.8	381.1	591.9	1224.6	2759.9	5290.4	5431.0	5249.7	4528.3	3614.5
77.5°	185.0	188.7	225.7	296.0	488.3	1102.5	3729.2	3977.1	4295.2	3851.3	2641.5
80°	133.2	136.9	170.2	203.5	292.3	355.2	1872.0	2216.1	2637.8	2478.7	1409.5
82.5°	99.9	99.9	133.2	151.7	199.8	210.9	521.6	714.0	1139.5	887.9	388.5
85°	103.6	103.6	103.6	107.3	136.9	122.1	218.3	233.1	333.0	292.3	107.3
87.5°	37.0	40.7	103.6	70.3	70.3	51.8	85.1	92.5	118.4	122.1	40.7
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°	1198.7	1198.7	1198.7	1198.7	1198.7	1198.7	1198.7	1198.7	1198.7	1198.7	1198.7
2.5°	1202.4	1202.4	1206.1	1206.1	1213.5	1220.9	1232.0	1224.6	1224.6	1228.3	1224.6
5°	1198.7	1202.4	1213.5	1232.0	1239.4	1243.1	1265.3	1265.3	1265.3	1272.7	1272.7
7.5°	1213.5	1220.9	1239.4	1257.9	1261.6	1272.7	1302.3	1309.7	1328.2	1335.6	1339.3
10°	1250.5	1261.6	1276.4	1298.6	1313.4	1328.2	1350.3	1376.2	1372.5	1394.7	1398.4
12.5°	1306.0	1302.3	1328.2	1350.3	1365.1	1387.3	1394.7	1394.7	1394.7	1394.7	1402.1
15°	1350.3	1357.7	1379.9	1394.7	1413.2	1409.5	1394.7	1379.9	1383.6	1379.9	1379.9
17.5°	1416.9	1416.9	1435.4	1439.1	1446.5	1409.5	1387.3	1387.3	1398.4	1398.4	1391.0
20°	1483.5	1479.8	1487.2	1483.5	1435.4	1391.0	1387.3	1391.0	1394.7	1391.0	1387.3
22.5°	1546.4	1539.0	1527.9	1513.1	1428.0	1387.3	1379.9	1361.4	1342.9	1342.9	1331.9
25°	1601.9	1594.5	1564.9	1520.5	1424.3	1365.1	1328.2	1283.8	1261.6	1250.5	1265.3
27.5°	1653.7	1638.9	1598.2	1520.5	1391.0	1306.0	1235.7	1180.2	1161.7	1146.9	1161.7
30°	1724.0	1698.1	1642.6	1509.4	1339.3	1213.5	1117.3	1050.7	1032.2	1010.0	1017.4
32.5°	1786.9	1727.7	1679.6	1476.1	1272.7	1109.9	998.9	932.3	899.0	880.5	895.3
35°	1853.5	1794.3	1694.4	1424.3	1169.1	984.1	873.1	810.2	784.3	758.4	758.4
37.5°	1920.1	1886.8	1716.6	1328.2	1043.3	865.7	765.8	717.7	673.3	625.2	625.2
40°	2060.7	2016.3	1742.5	1217.2	917.5	751.0	680.7	617.8	573.4	506.8	503.1
42.5°	2208.7	2112.5	1742.5	1084.0	806.5	669.6	603.0	536.4	455.0	414.4	418.1
45°	2397.3	2286.3	1694.4	965.6	695.5	603.0	529.0	444.0	407.0	381.1	381.1
47.5°	2634.1	2460.2	1635.2	836.1	606.7	543.8	451.3	399.6	373.7	351.5	347.8
50°	2915.3	2619.3	1561.2	725.1	532.7	488.3	410.7	370.0	347.8	333.0	333.0
52.5°	3211.2	2852.4	1509.4	625.2	473.5	414.4	381.1	355.2	336.7	325.6	321.9
55°	3510.9	3085.5	1472.4	517.9	418.1	381.1	373.7	351.5	344.1	333.0	325.6
57.5°	3847.6	3277.8	1465.0	444.0	373.7	366.3	381.1	362.6	351.5	340.4	329.3
60°	4210.1	3536.8	1398.4	384.8	351.5	358.9	370.0	351.5	344.1	333.0	325.6
62.5°	4569.0	3729.2	1217.2	340.4	329.3	336.7	351.5	336.7	325.6	329.3	333.0
65°	4717.0	3744.0	943.4	307.1	303.4	307.1	329.3	325.6	314.5	336.7	336.7
67.5°	4569.0	3610.8	665.9	277.5	277.5	296.0	333.0	340.4	329.3	358.9	355.2
70°	4232.3	3281.5	451.3	259.0	266.4	314.5	344.1	336.7	321.9	358.9	351.5
72.5°	3592.3	2626.7	329.3	240.5	251.6	299.7	340.4	333.0	321.9	336.7	321.9
75°	2697.0	1868.3	259.0	218.3	222.0	270.1	351.5	333.0	303.4	296.0	284.9
77.5°	1801.7	1154.3	199.8	192.4	192.4	236.8	336.7	310.8	273.8	262.7	259.0
80°	858.3	462.4	159.1	162.8	166.5	203.5	307.1	277.5	247.9	233.1	233.1
82.5°	273.8	173.9	133.2	133.2	133.2	166.5	255.3	233.1	214.6	203.5	185.0
85°	96.2	96.2	114.7	118.4	107.3	122.1	210.9	199.8	177.6	148.0	144.3
87.5°	37.0	55.5	77.7	92.5	66.6	85.1	151.7	140.6	129.5	96.2	92.5
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)