

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: P674575

Luminaire Tested: **CCP-SA-2A-750-U-T2R-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674575  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2A-750-U-T2R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ T2R distribution lens and House Side Shield  
Light Source: (32) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

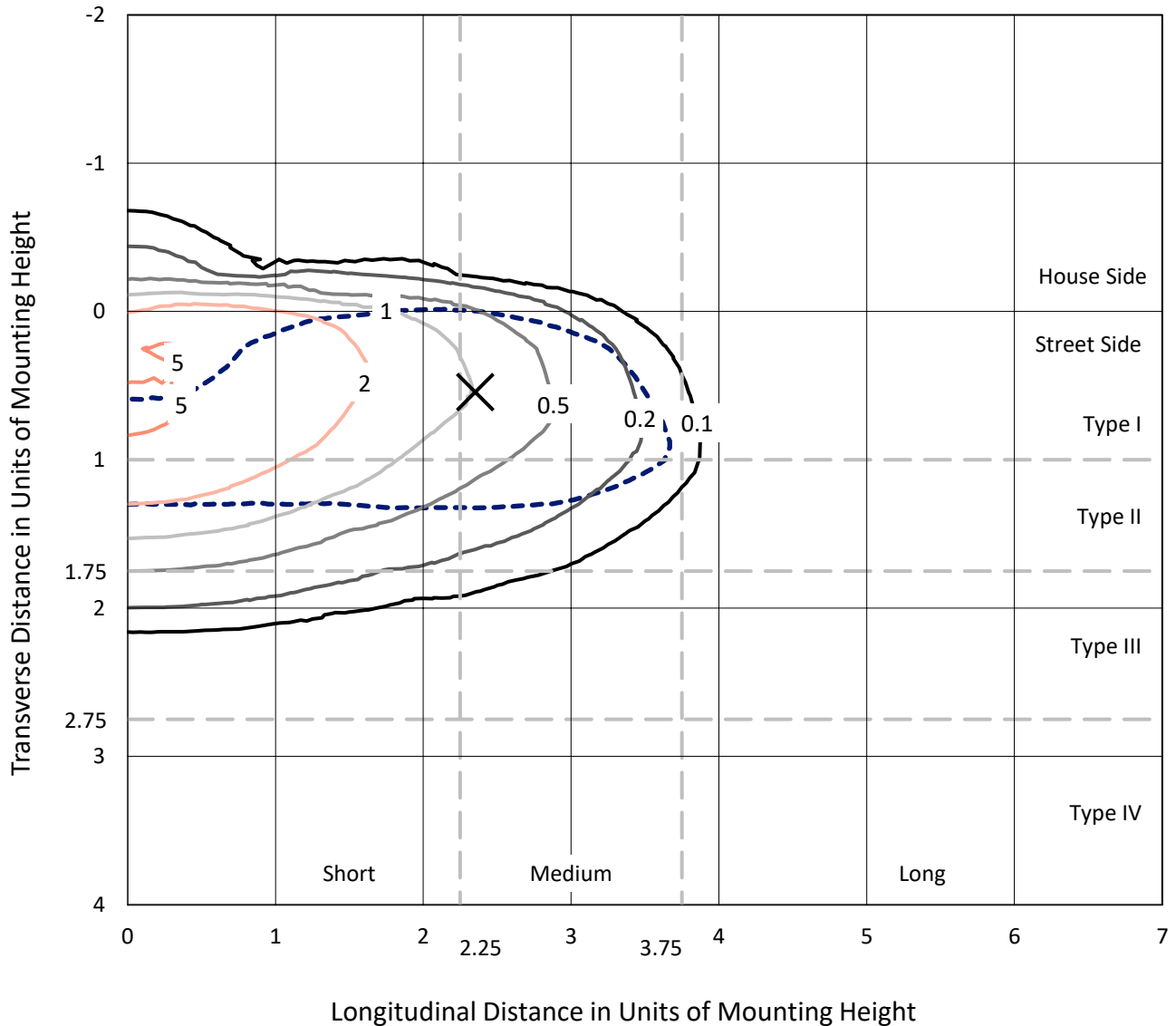
Lumens per Lamp: N/A  
Luminaire Lumens: 4531.8 lumens  
Efficiency: N/A  
Efficacy: 125.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 36.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

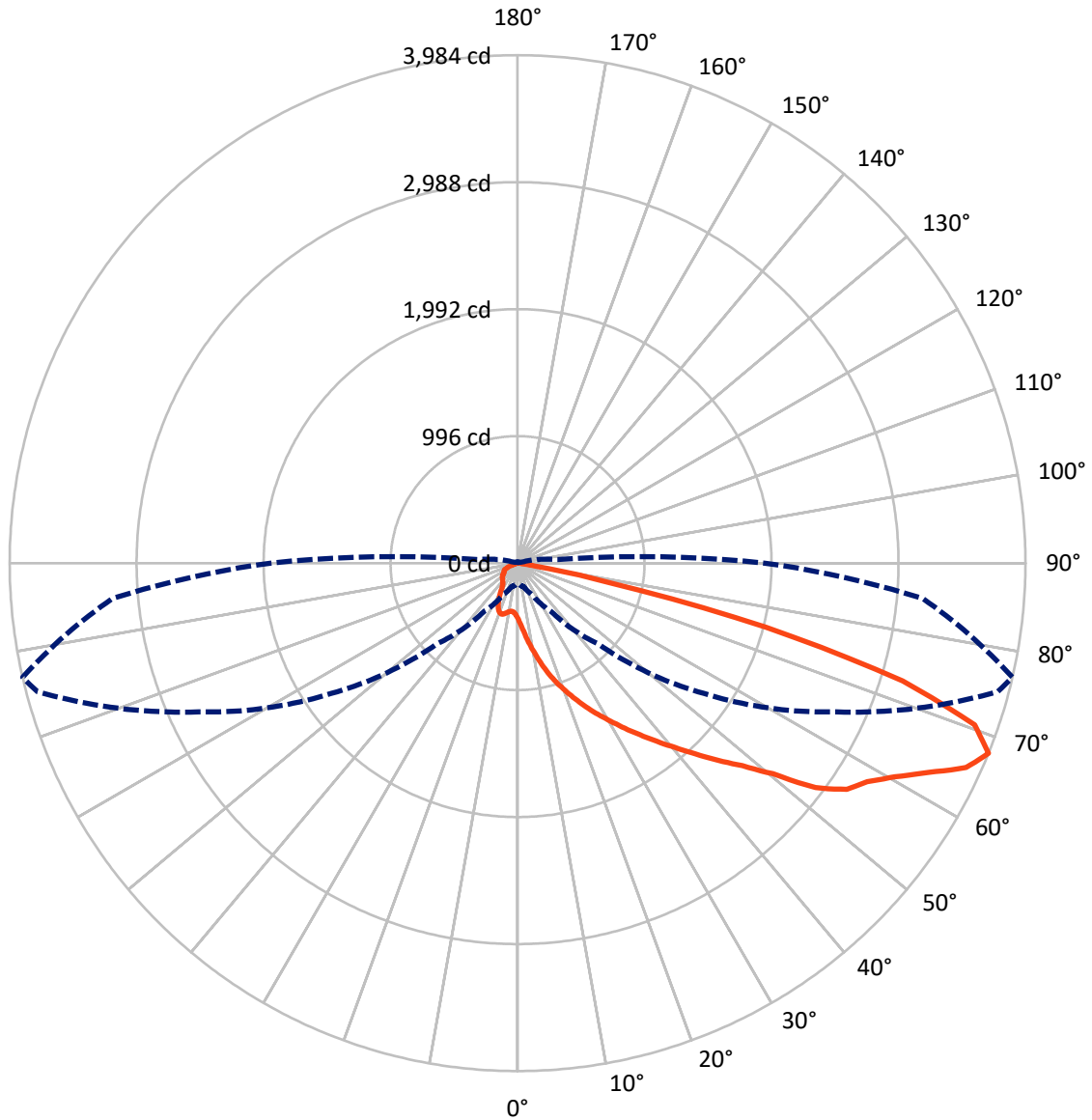
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.6 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	283.2	0.0	283.2
	% Fixture	6.2	0.0	6.2
<b>Street Side</b>	Lumens	4248.7	0.0	4248.7
	% Fixture	93.8	0.0	93.8
<b>Total</b>	Lumens	4531.8	0.0	4531.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.0	1.1
10°-20°	188.6	4.2
20°-30°	368.6	8.1
30°-40°	644.4	14.2
40°-50°	939.7	20.7
50°-60°	1098.9	24.2
60°-70°	890.8	19.7
70°-80°	334.6	7.4
80°-90°	15.2	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°	4531.8	100.0
0°-180°	4531.8	100.0

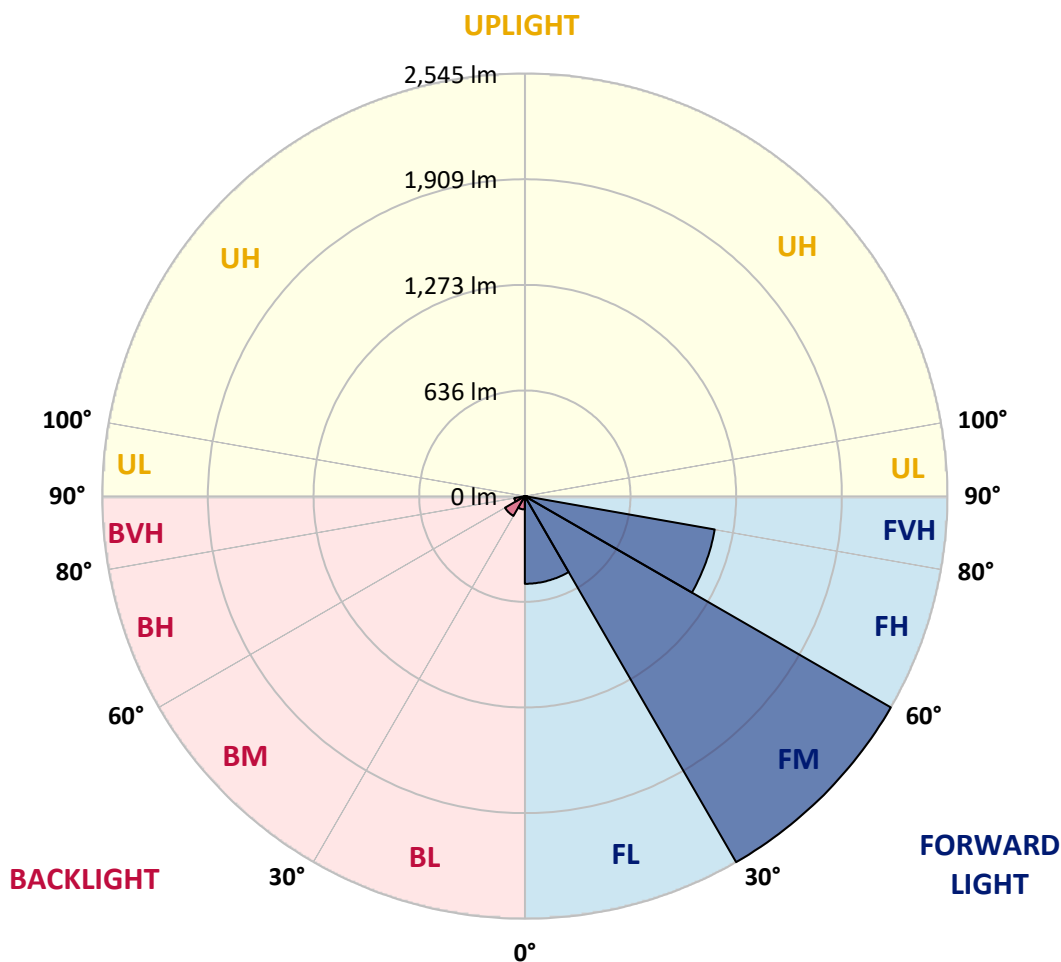


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	527.9	11.6			
FM (30°-60°)	2545.2	56.2			
FH (60°-80°)	1161.2	25.6			G1/1800
FVH (80°-90°)	14.3	0.3			G1/100
BL (0°-30°)	80.3	1.8	B0/110		
BM (30°-60°)	137.8	3.0	B0/220		
BH (60°-80°)	64.2	1.4	B0/110		G0/110
BVH (80°-90°)	0.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**  
 Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1
2.5°	651.7	628.0	632.5	622.7	610.0	580.5	549.4	518.3	490.5	484.4	456.6
5°	834.6	827.2	819.4	812.9	786.3	749.5	693.4	622.3	558.0	547.0	489.3
7.5°	976.5	965.5	972.5	952.4	924.6	889.0	817.8	741.7	642.7	626.3	536.8
10°	1081.3	1075.1	1078.4	1069.0	1055.5	1019.9	949.5	854.2	739.7	708.6	589.9
12.5°	1159.8	1161.1	1175.4	1176.2	1165.1	1136.1	1061.6	962.2	827.6	799.8	648.8
15°	1217.1	1218.3	1235.9	1254.7	1267.4	1252.3	1184.8	1073.5	931.1	893.1	710.6
17.5°	1226.5	1227.3	1258.4	1296.5	1335.7	1348.8	1296.9	1184.0	1025.6	982.3	781.4
20°	1232.6	1239.6	1267.4	1311.2	1373.4	1413.9	1385.7	1289.9	1117.3	1067.0	850.9
22.5°	1307.1	1307.1	1323.5	1354.6	1404.1	1467.5	1461.8	1387.3	1206.5	1156.6	920.1
25°	1465.0	1465.0	1449.1	1440.9	1467.5	1517.4	1531.7	1491.2	1308.3	1249.4	992.9
27.5°	1674.1	1674.1	1649.1	1589.0	1566.1	1586.9	1602.1	1581.6	1402.4	1344.3	1069.8
30°	1890.9	1898.3	1854.9	1778.4	1698.2	1682.3	1667.5	1663.0	1502.7	1437.2	1148.0
32.5°	2108.6	2107.7	2053.7	1958.4	1853.7	1797.2	1749.4	1744.0	1609.0	1544.8	1222.0
35°	2282.4	2282.8	2226.0	2128.2	2007.1	1935.1	1858.2	1833.2	1725.6	1654.0	1310.4
37.5°	2433.0	2424.4	2363.0	2270.2	2157.2	2082.8	1987.0	1922.0	1846.3	1773.5	1398.7
40°	2519.3	2507.8	2448.1	2359.7	2274.2	2217.4	2133.1	2029.2	1978.9	1900.3	1499.4
42.5°	2532.0	2522.2	2482.5	2429.3	2359.3	2309.4	2286.9	2150.3	2118.0	2046.8	1619.7
45°	2496.4	2480.4	2467.3	2439.5	2419.9	2395.7	2426.4	2279.2	2277.5	2206.7	1738.7
47.5°	2408.0	2386.3	2389.6	2420.3	2442.4	2464.1	2559.8	2448.1	2438.3	2372.0	1895.0
50°	2257.1	2246.4	2282.4	2343.0	2430.5	2517.3	2692.8	2620.8	2659.6	2597.4	2110.6
52.5°	1950.2	1963.3	2070.9	2216.6	2367.9	2542.2	2817.5	2878.5	2977.9	2926.8	2327.4
55°	1582.0	1577.1	1720.7	1979.3	2221.1	2526.3	2872.0	3030.3	3186.6	3133.0	2448.1
57.5°	1274.4	1283.0	1379.9	1635.6	1971.9	2403.1	2884.6	3109.6	3270.4	3234.8	2559.8
60°	956.5	964.7	1053.0	1275.6	1640.5	2146.2	2779.9	3137.5	3427.9	3400.9	2738.2
62.5°	608.8	619.4	708.2	924.6	1253.9	1746.9	2544.7	3108.4	3592.4	3614.9	2981.6
65°	299.5	308.9	374.3	540.0	838.3	1306.3	2216.6	2997.5	3801.9	3866.1	3176.7
67.5°	165.7	170.2	192.7	274.9	467.6	896.0	1781.3	2760.7	3898.0	3983.9	3189.8
70°	128.9	130.1	138.7	160.4	227.9	525.7	1267.0	2366.3	3698.8	3802.7	2924.3
72.5°	108.4	110.1	114.1	121.5	142.4	273.7	796.1	1828.7	3112.1	3159.1	2262.4
75°	79.4	81.8	93.3	99.8	112.5	166.1	351.0	1098.9	2056.6	2010.4	1265.8
77.5°	66.7	68.7	71.6	81.0	92.9	113.3	123.1	460.7	837.0	727.8	332.2
80°	45.4	47.9	55.6	60.5	78.5	74.9	51.1	123.6	168.1	137.1	63.8
82.5°	32.3	34.4	38.5	49.5	56.9	39.7	27.8	37.6	40.5	38.5	20.9
85°	10.2	13.1	27.8	40.9	30.7	13.5	17.6	14.3	12.7	12.3	8.2
87.5°	2.0	2.0	13.9	16.4	12.3	7.0	6.1	4.5	5.7	5.7	4.5
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°	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1	434.1
2.5°	443.5	425.1	398.5	373.5	348.2	330.2	317.5	304.8	299.9	297.8	292.5
5°	463.1	427.9	375.2	332.6	301.5	281.9	270.0	259.8	253.2	251.2	248.3
7.5°	491.3	440.6	364.9	315.8	284.7	263.5	244.2	222.1	204.6	197.6	194.7
10°	522.0	459.8	366.6	312.6	271.2	224.6	181.6	146.1	130.5	124.8	120.7
12.5°	567.0	481.1	373.5	308.9	230.7	160.4	116.2	101.5	97.8	97.0	96.1
15°	612.0	511.0	385.0	284.3	172.2	109.2	96.5	91.2	89.2	87.1	87.1
17.5°	657.4	539.6	389.5	236.5	119.1	94.5	88.0	83.5	80.2	78.5	77.3
20°	708.6	569.9	376.4	178.0	95.3	86.3	79.0	73.6	70.8	69.1	67.9
22.5°	763.8	599.8	347.7	124.0	86.7	77.7	70.8	65.5	62.6	61.0	60.5
25°	815.8	625.5	301.9	93.3	78.1	69.5	63.0	58.5	56.5	54.8	54.4
27.5°	869.4	647.6	242.2	82.2	71.2	63.0	56.5	52.8	50.7	49.5	49.1
30°	921.7	662.8	180.4	75.3	65.0	56.9	51.1	48.3	46.2	45.0	44.6
32.5°	975.7	671.3	121.9	69.1	58.9	51.5	46.6	43.8	42.5	41.3	41.3
35°	1027.7	670.1	88.0	63.4	54.0	46.6	42.1	40.1	39.7	38.5	38.5
37.5°	1084.6	661.5	74.9	58.1	48.7	42.1	38.5	37.2	36.8	36.0	35.6
40°	1149.2	642.3	68.3	54.0	44.2	38.5	35.2	34.4	34.0	33.1	33.1
42.5°	1220.0	617.3	64.6	49.5	40.5	34.8	32.3	31.1	30.7	29.9	29.9
45°	1302.2	593.6	62.2	45.0	37.2	31.9	29.5	28.2	27.8	27.0	27.0
47.5°	1414.3	580.1	58.1	40.9	33.5	29.0	26.6	25.8	25.0	24.1	24.1
50°	1568.5	564.2	52.8	36.8	30.7	26.2	24.5	23.3	22.9	22.1	22.1
52.5°	1695.4	530.2	47.5	32.7	27.4	24.1	22.5	21.7	20.9	20.5	20.5
55°	1739.9	490.5	42.1	29.5	25.0	22.5	20.9	20.0	19.6	19.2	19.2
57.5°	1811.1	477.8	37.2	26.2	22.5	20.9	19.2	18.8	18.4	18.0	17.6
60°	1932.6	485.2	32.7	23.3	20.5	18.8	17.6	17.2	16.4	15.5	15.5
62.5°	2050.5	476.2	27.8	20.5	17.6	16.8	15.5	14.7	13.1	11.9	11.0
65°	2079.1	416.1	24.1	17.2	14.7	13.9	12.7	11.0	8.6	7.0	7.0
67.5°	1940.4	316.2	20.9	14.7	12.3	11.5	9.0	7.4	5.3	4.1	4.1
70°	1601.3	200.5	17.2	11.5	10.2	7.8	5.7	5.3	3.7	3.3	2.9
72.5°	1155.3	109.6	14.3	9.4	7.4	4.9	4.1	3.3	2.5	1.6	1.6
75°	585.0	51.5	10.6	7.4	4.9	3.3	2.5	1.6	1.6	1.2	1.2
77.5°	165.7	23.7	7.0	4.9	3.3	2.0	1.6	1.2	1.2	0.8	0.8
80°	32.7	11.9	4.5	3.3	2.5	1.6	1.2	0.8	0.8	0.4	0.4
82.5°	11.9	6.1	3.3	2.5	2.0	1.6	0.8	0.4	0.4	0.0	0.0
85°	6.1	3.3	2.5	2.0	1.6	1.2	0.8	0.4	0.0	0.0	0.0
87.5°	3.3	2.5	2.0	2.0	1.6	1.2	0.8	0.4	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)