

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: P673394

Luminaire Tested: **CCP-SA-2E-730-U-T4FT-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P673394  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2E-730-U-T4FT-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ T4FT distribution lens and House Side Shield  
Light Source: (32) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

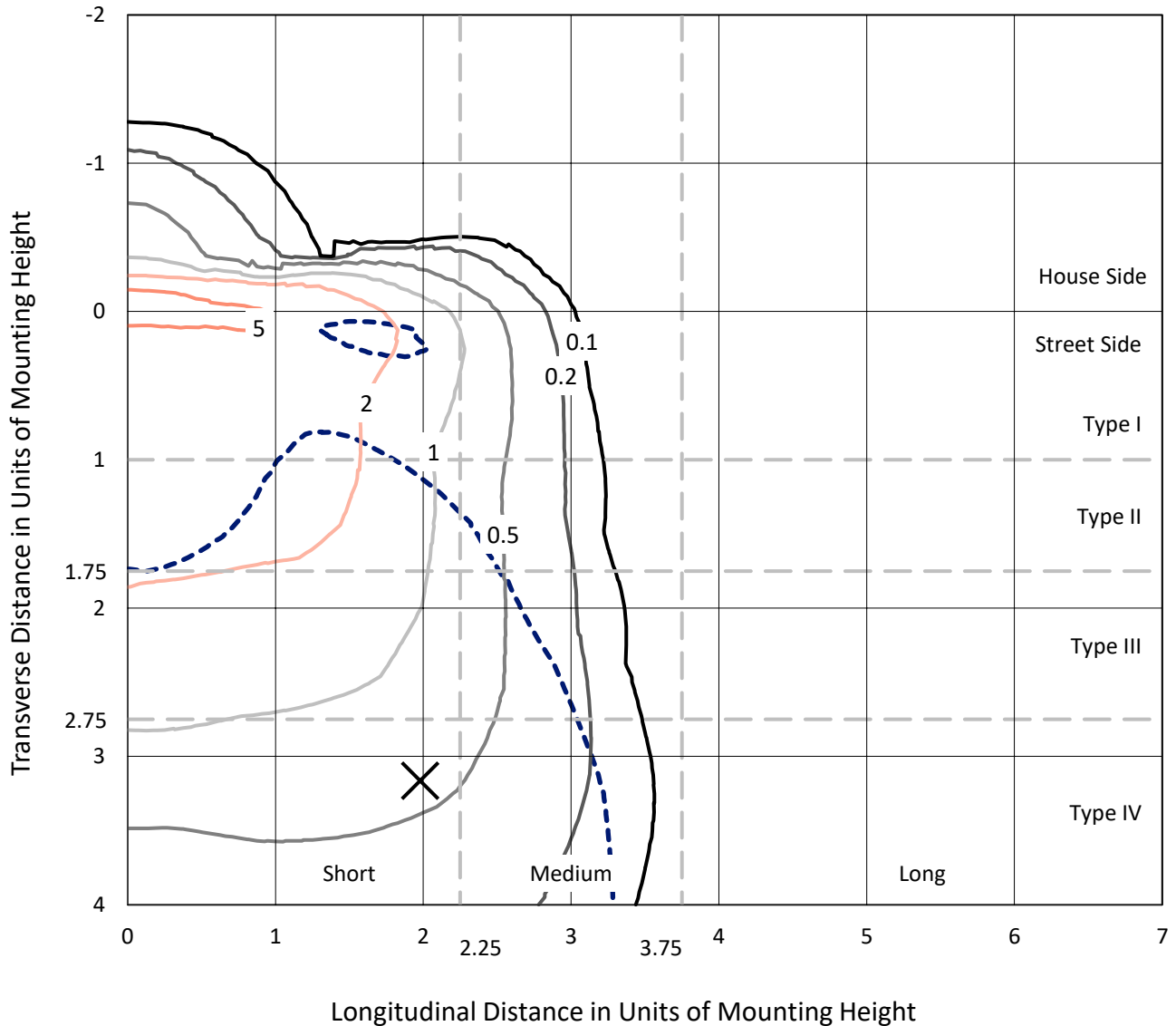
Lumens per Lamp: N/A  
Luminaire Lumens: 8940.2 lumens  
Efficiency: N/A  
Efficacy: 83.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

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

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### Iso-Footcandle Lines of Horizontal Illumination

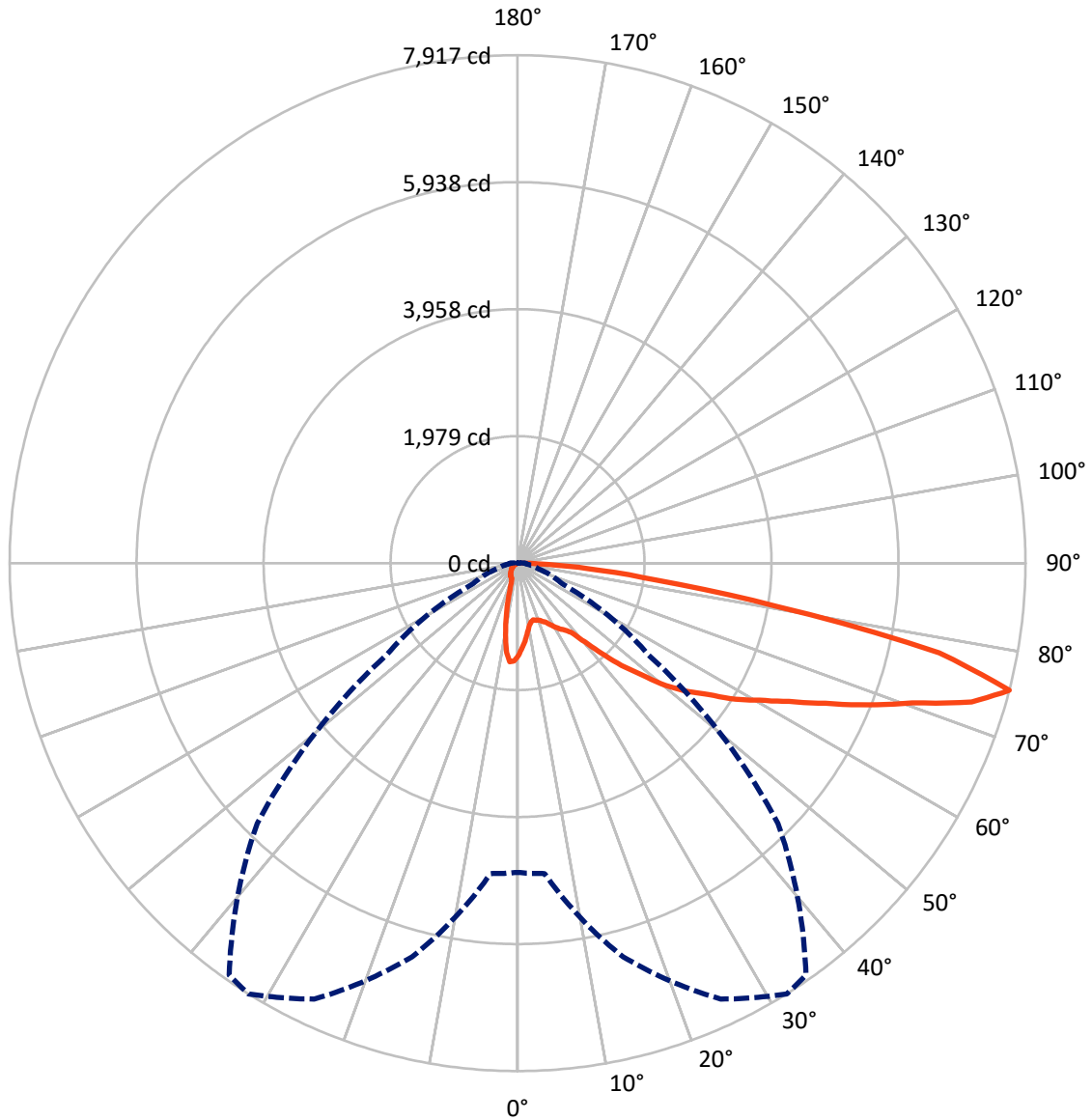
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.4 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 32-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	965.8	0.0	965.8
	% Fixture	10.8	0.0	10.8
<b>Street Side</b>	Lumens	7974.3	0.0	7974.3
	% Fixture	89.2	0.0	89.2
<b>Total</b>	Lumens	8940.2	0.0	8940.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	126.9	1.4
10°-20°	288.0	3.2
20°-30°	431.2	4.8
30°-40°	661.9	7.4
40°-50°	1157.6	12.9
50°-60°	1809.4	20.2
60°-70°	2339.3	26.2
70°-80°	1905.3	21.3
80°-90°	220.6	2.5
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°	8940.2	100.0
0°-180°	8940.2	100.0



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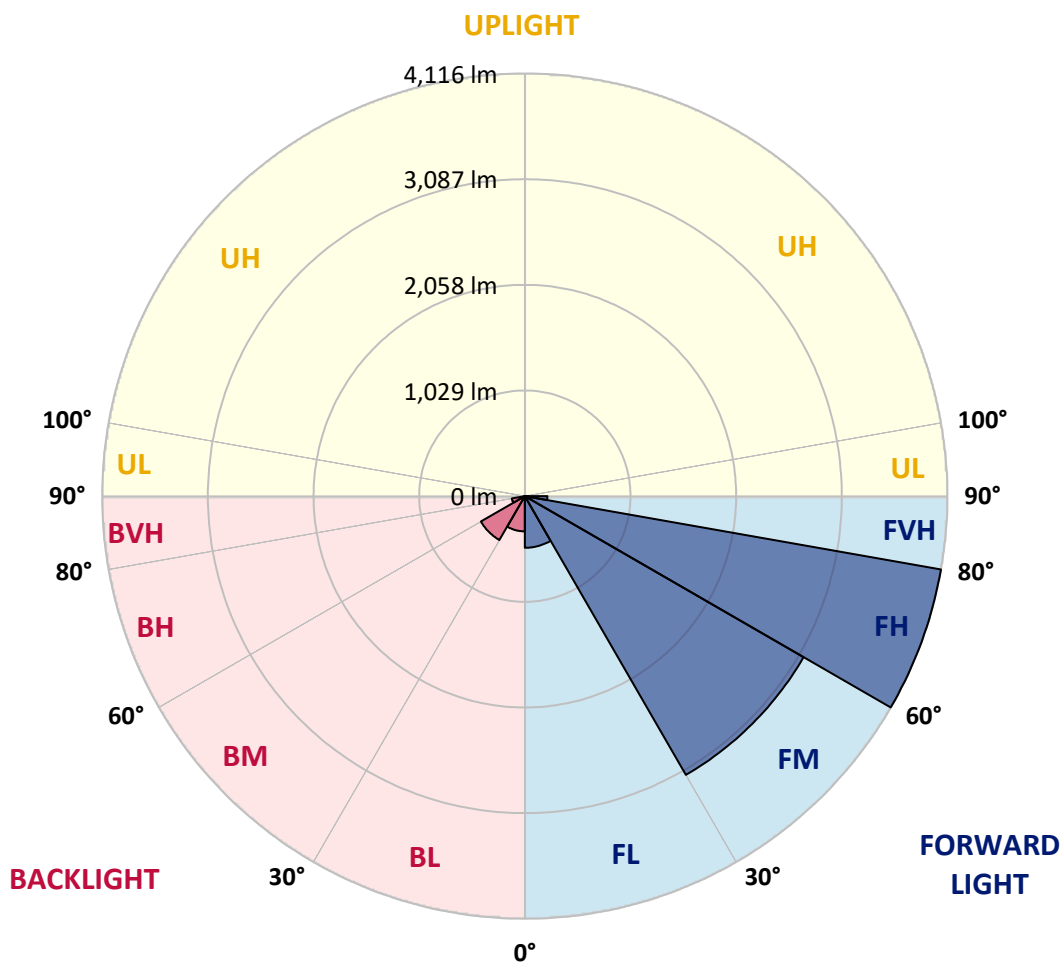
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	503.0	5.6			
FM (30°-60°)	3134.8	35.1			
FH (60°-80°)	4116.2	46.0			G2/5000
FVH (80°-90°)	220.4	2.5			G2/225
BL (0°-30°)	343.1	3.8	B1/500		
BM (30°-60°)	494.1	5.5	B1/1000		
BH (60°-80°)	128.5	1.4	B1/500		G1/500
BVH (80°-90°)	0.2	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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	32°	35°	45°	55°	65°	75°	85°
0°	1443.6	1443.6	1443.6	1443.6	1443.6	1443.6	1443.6	1443.6	1443.6	1443.6	1443.6
2.5°	1294.6	1313.0	1310.7	1322.1	1324.4	1331.3	1347.3	1347.3	1393.2	1425.2	1445.9
5°	1177.8	1166.3	1170.9	1184.6	1219.0	1216.7	1255.7	1276.3	1331.3	1377.1	1425.2
7.5°	1033.4	1031.1	1040.3	1072.4	1097.6	1118.2	1159.4	1212.1	1285.5	1354.2	1439.0
10°	941.8	937.2	955.5	964.7	994.5	1008.2	1072.4	1154.9	1241.9	1340.5	1439.0
12.5°	921.1	905.1	914.3	912.0	939.5	946.3	1008.2	1109.0	1214.4	1335.9	1457.3
15°	932.6	921.1	912.0	912.0	918.8	923.4	989.9	1079.2	1198.4	1342.7	1498.6
17.5°	969.2	962.4	934.9	907.4	937.2	937.2	978.4	1072.4	1200.7	1363.4	1549.0
20°	1012.8	1005.9	957.8	925.7	946.3	969.2	1012.8	1088.4	1207.6	1379.4	1626.9
22.5°	1060.9	1060.9	994.5	957.8	985.3	987.6	1065.5	1138.8	1235.0	1420.6	1677.3
25°	1120.5	1115.9	1051.7	1010.5	1019.7	1044.9	1115.9	1193.8	1285.5	1477.9	1771.2
27.5°	1198.4	1191.5	1115.9	1074.7	1086.1	1113.6	1193.8	1271.7	1331.3	1500.8	1851.4
30°	1262.5	1255.7	1193.8	1131.9	1157.1	1182.3	1276.3	1345.0	1388.6	1544.4	1943.1
32.5°	1276.3	1264.8	1223.6	1196.1	1223.6	1271.7	1345.0	1416.1	1482.5	1654.4	2117.2
35°	1434.4	1393.2	1285.5	1241.9	1283.2	1299.2	1420.6	1546.7	1610.8	1741.4	2312.0
37.5°	1736.9	1697.9	1555.8	1434.4	1377.1	1395.4	1553.5	1709.4	1771.2	1904.1	2525.1
40°	2108.1	2043.9	1892.7	1730.0	1613.1	1590.2	1693.3	1922.5	1982.0	2108.1	2804.6
42.5°	2532.0	2470.1	2236.4	2043.9	1924.8	1895.0	1911.0	2169.9	2220.3	2296.0	2987.9
45°	2836.7	2804.6	2541.1	2369.3	2275.3	2243.3	2204.3	2440.3	2504.5	2529.7	3253.7
47.5°	3013.2	2990.2	2843.6	2726.7	2600.7	2566.3	2591.5	2816.1	2772.6	2793.2	3508.1
50°	3249.2	3189.6	2990.2	3026.9	3001.7	2992.5	3036.1	3134.6	3070.4	3010.9	3785.3
52.5°	3439.3	3333.9	3194.2	3283.5	3322.5	3356.9	3510.4	3583.7	3297.3	3205.6	3964.1
55°	3556.2	3455.4	3492.0	3574.5	3615.8	3773.9	3954.9	3899.9	3446.2	3361.4	4202.4
57.5°	3661.6	3668.5	3767.0	3792.2	4003.0	4030.5	4378.8	4200.1	3551.6	3503.5	4296.3
60°	3916.0	3890.7	3970.9	4133.6	4335.3	4488.8	4821.0	4401.7	3604.3	3576.8	4271.1
62.5°	4374.2	4218.4	4245.9	4452.1	4747.7	4915.0	5075.4	4493.4	3590.6	3588.3	4195.5
65°	4956.2	4777.5	4695.0	4887.5	5270.1	5506.2	5361.8	4596.5	3498.9	3563.1	3913.7
67.5°	5439.7	5442.0	5288.5	5396.2	5895.7	5946.1	5632.2	4575.9	3345.4	3363.7	3226.2
70°	5996.5	6072.1	5936.9	6273.8	6523.5	6555.6	5941.5	4406.3	3015.4	2536.5	1853.7
72.5°	6138.6	6177.5	6599.1	7117.0	7398.8	7408.0	6246.3	3840.3	1984.3	1120.5	575.1
75°	4821.0	4857.7	6351.7	7497.4	7916.7	7836.5	5737.6	2493.0	772.2	327.7	137.5
77.5°	2690.1	2701.5	3943.4	6060.7	6716.0	6392.9	4019.1	971.5	311.6	187.9	64.2
80°	735.5	863.8	1461.9	2987.9	4101.6	4025.9	1913.3	316.2	201.6	146.6	29.8
82.5°	176.4	190.2	469.7	1322.1	2167.6	2261.6	570.6	160.4	139.8	121.4	16.0
85°	64.2	71.0	144.4	643.9	1113.6	1022.0	171.9	80.2	103.1	93.9	6.9
87.5°	22.9	22.9	45.8	210.8	325.4	245.2	57.3	27.5	52.7	57.3	2.3
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°	1443.6	1443.6	1443.6	1443.6	1443.6	1443.6	1443.6	1443.6	1443.6	1443.6	1443.6
2.5°	1448.1	1448.1	1480.2	1507.7	1516.9	1528.3	1516.9	1542.1	1539.8	1528.3	1532.9
5°	1450.4	1491.7	1519.2	1537.5	1546.7	1544.4	1549.0	1521.5	1505.4	1494.0	1482.5
7.5°	1461.9	1500.8	1551.3	1546.7	1521.5	1468.8	1427.5	1354.2	1283.2	1280.9	1269.4
10°	1500.8	1535.2	1565.0	1546.7	1455.0	1294.6	1164.0	1065.5	976.1	934.9	939.5
12.5°	1528.3	1592.5	1578.8	1484.8	1294.6	1083.8	891.3	747.0	666.8	591.2	591.2
15°	1585.6	1608.5	1604.0	1395.4	1097.6	845.5	611.8	465.1	380.4	346.0	341.4
17.5°	1640.6	1665.8	1587.9	1260.3	902.8	568.3	371.2	288.7	277.3	272.7	275.0
20°	1709.4	1711.7	1574.2	1125.1	678.2	359.7	265.8	258.9	261.2	258.9	258.9
22.5°	1782.7	1798.7	1526.1	934.9	451.4	261.2	247.5	249.8	249.8	249.8	256.6
25°	1878.9	1853.7	1450.4	753.9	295.6	240.6	240.6	242.9	242.9	242.9	245.2
27.5°	1943.1	1908.7	1354.2	543.1	231.4	226.8	231.4	231.4	236.0	236.0	236.0
30°	2076.0	1986.6	1232.8	350.6	208.5	215.4	220.0	224.6	226.8	231.4	233.7
32.5°	2179.1	2055.4	1081.5	233.7	190.2	194.8	206.2	215.4	224.6	222.3	222.3
35°	2367.0	2167.6	941.8	185.6	174.1	174.1	185.6	201.6	215.4	220.0	220.0
37.5°	2582.4	2259.3	747.0	169.6	160.4	160.4	167.3	185.6	203.9	213.1	208.5
40°	2761.1	2364.7	552.2	158.1	148.9	148.9	153.5	167.3	187.9	203.9	206.2
42.5°	2887.1	2442.6	373.5	146.6	139.8	137.5	144.4	151.2	167.3	190.2	194.8
45°	3001.7	2483.8	231.4	135.2	130.6	130.6	130.6	137.5	148.9	169.6	174.1
47.5°	3205.6	2529.7	167.3	126.0	119.2	121.4	123.7	126.0	135.2	139.8	142.1
50°	3377.5	2564.0	137.5	116.9	112.3	114.6	114.6	114.6	119.2	112.3	112.3
52.5°	3508.1	2529.7	116.9	107.7	103.1	105.4	103.1	103.1	98.5	89.4	89.4
55°	3604.3	2467.8	93.9	98.5	98.5	98.5	93.9	87.1	77.9	71.0	71.0
57.5°	3629.5	2362.4	73.3	82.5	89.4	89.4	80.2	71.0	59.6	52.7	50.4
60°	3590.6	2133.3	55.0	59.6	68.7	71.0	64.2	52.7	41.2	34.4	34.4
62.5°	3450.8	1952.2	43.5	39.0	50.4	52.7	45.8	34.4	22.9	16.0	13.7
65°	3185.0	1672.7	32.1	27.5	34.4	36.7	29.8	16.0	6.9	2.3	0.0
67.5°	2554.9	1260.3	20.6	18.3	22.9	22.9	13.7	4.6	0.0	0.0	0.0
70°	1413.8	708.0	13.7	9.2	11.5	6.9	2.3	0.0	0.0	0.0	0.0
72.5°	407.9	201.6	6.9	4.6	2.3	0.0	0.0	0.0	0.0	0.0	0.0
75°	110.0	48.1	4.6	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	48.1	18.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	20.6	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	11.5	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.3	0.0	0.0	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)