

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: P674734

Luminaire Tested: **CCP-SA-2E-760-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674734
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-760-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ T3R distribution lens and House Side Shield
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

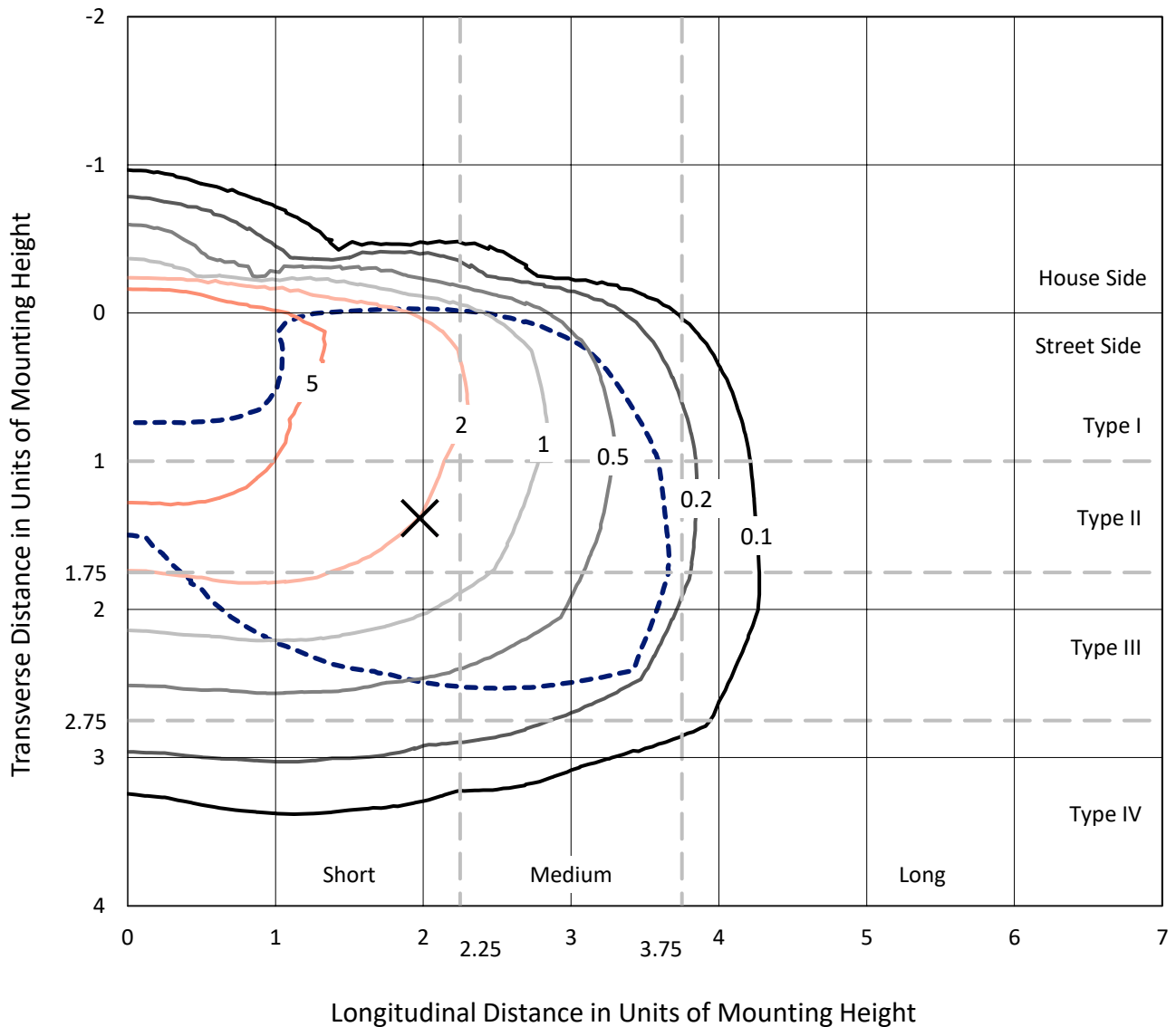
Lumens per Lamp: N/A
Luminaire Lumens: 11092.3 lumens
Efficiency: N/A
Efficacy: 104.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

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

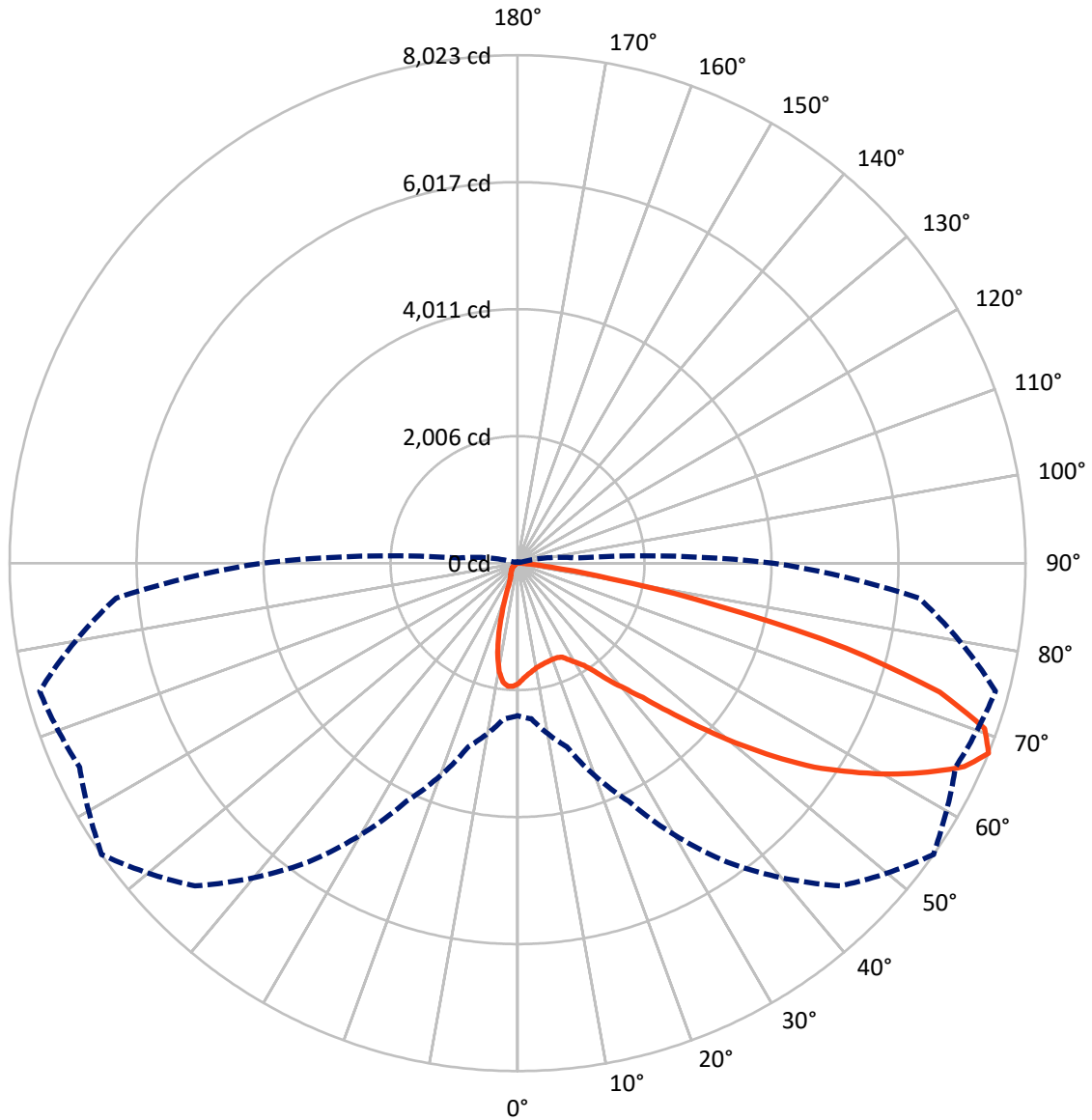
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	996.5	0.0	996.5
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	10095.8	0.0	10095.8
	% Fixture	91.0	0.0	91.0
Total	Lumens	11092.3	0.0	11092.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.8	1.5
10°-20°	379.8	3.4
20°-30°	609.4	5.5
30°-40°	1057.0	9.5
40°-50°	1762.4	15.9
50°-60°	2577.2	23.2
60°-70°	3005.0	27.1
70°-80°	1458.4	13.1
80°-90°	76.3	0.7
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°	11092.3	100.0
0°-180°	11092.3	100.0



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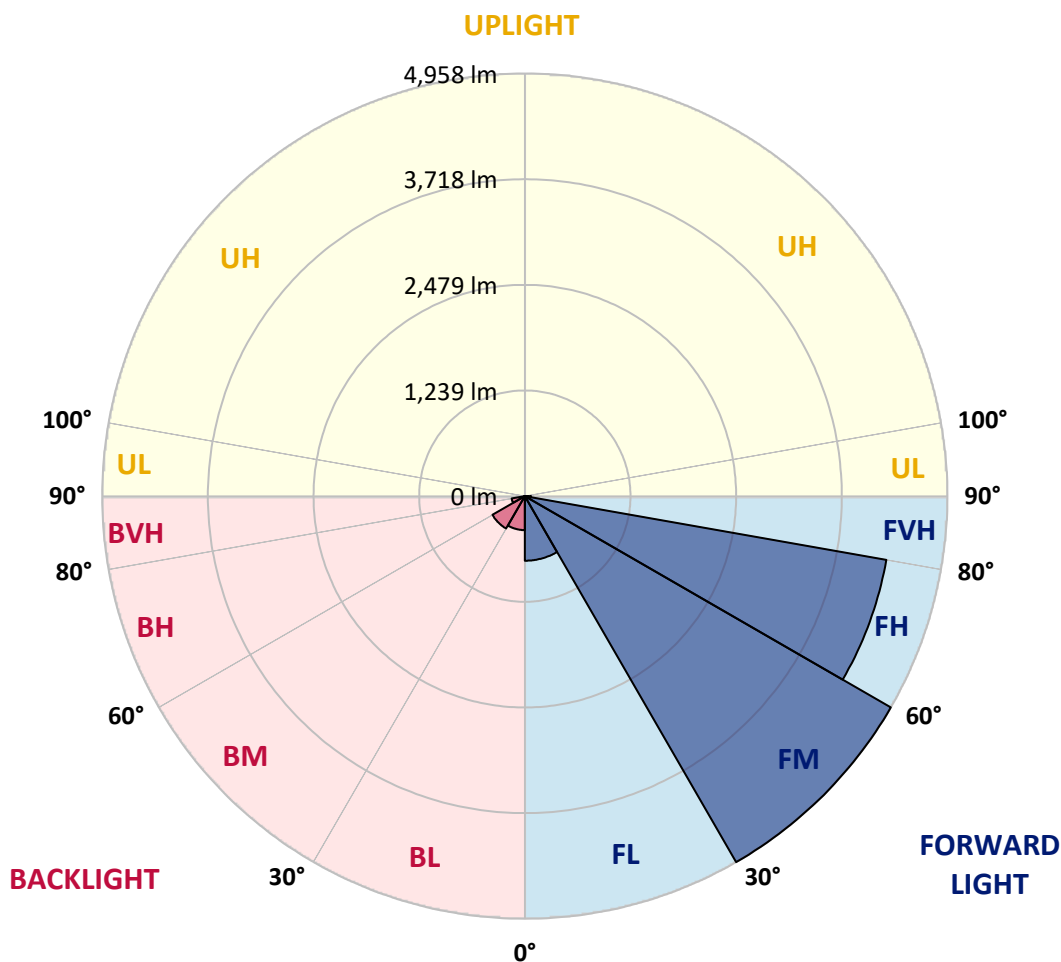
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	757.7	6.8			
FM (30°-60°)	4957.9	44.7			
FH (60°-80°)	4306.2	38.8			G2/5000
FVH (80°-90°)	74.0	0.7			G1/100
BL (0°-30°)	398.4	3.6	B1/500		
BM (30°-60°)	438.7	4.0	B1/1000		
BH (60°-80°)	157.2	1.4	B1/500		G1/500
BVH (80°-90°)	2.2	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1900.9	1900.9	1900.9	1900.9	1900.9	1900.9	1900.9	1900.9	1900.9	1900.9	1900.9
2.5°	1754.8	1766.0	1780.3	1785.4	1802.8	1827.3	1820.2	1815.1	1842.7	1880.5	1892.7
5°	1645.4	1646.4	1668.9	1685.3	1714.9	1738.4	1764.0	1761.9	1812.0	1876.4	1917.3
7.5°	1538.1	1540.1	1563.6	1589.2	1632.1	1678.1	1716.9	1714.9	1795.6	1881.5	1959.2
10°	1397.1	1407.3	1435.9	1480.9	1548.3	1620.9	1675.0	1680.2	1777.2	1900.9	2016.4
12.5°	1283.6	1288.7	1320.4	1378.7	1458.4	1553.4	1654.6	1651.5	1781.3	1936.7	2091.0
15°	1235.6	1232.5	1251.9	1294.9	1385.8	1505.4	1634.2	1641.3	1795.6	1977.6	2168.7
17.5°	1246.8	1243.8	1254.0	1269.3	1333.7	1465.5	1622.9	1635.2	1818.1	2020.5	2241.2
20°	1371.5	1350.1	1331.7	1315.3	1324.5	1432.8	1615.8	1629.1	1831.4	2053.2	2317.9
22.5°	1611.7	1585.1	1536.1	1445.1	1384.8	1434.9	1617.8	1635.2	1861.0	2106.3	2410.9
25°	2003.1	1977.6	1872.3	1686.3	1526.9	1508.5	1645.4	1663.8	1929.5	2187.1	2510.0
27.5°	2521.3	2464.0	2336.3	2069.5	1761.9	1626.0	1728.2	1748.6	2026.6	2249.4	2577.5
30°	2951.5	2938.2	2815.6	2488.6	2085.9	1798.7	1821.2	1832.4	2070.6	2287.2	2644.9
32.5°	3398.1	3370.5	3258.1	2940.3	2462.0	2045.0	1925.4	1930.5	2127.8	2343.4	2743.0
35°	3786.5	3760.9	3666.9	3358.3	2901.4	2376.1	2098.2	2086.9	2246.3	2467.1	2875.9
37.5°	4146.2	4143.2	4060.4	3745.6	3295.9	2719.5	2352.6	2343.4	2431.3	2603.0	3055.8
40°	4497.8	4489.6	4419.1	4131.9	3684.3	3061.9	2594.8	2571.3	2588.7	2793.1	3292.9
42.5°	4713.4	4730.8	4755.3	4573.4	4145.2	3463.5	2901.4	2887.1	2884.1	3090.5	3604.6
45°	4829.9	4860.6	5004.7	4988.3	4633.7	3963.3	3337.8	3301.0	3288.8	3499.3	3961.2
47.5°	4943.4	4956.7	5192.7	5291.9	5101.8	4484.5	3865.2	3814.1	3764.0	3998.0	4387.4
50°	4950.5	4972.0	5264.3	5505.5	5494.2	4997.5	4456.9	4411.9	4354.7	4605.1	4803.4
52.5°	4850.4	4893.3	5255.1	5640.4	5737.5	5450.3	5071.1	5034.3	4987.3	5174.3	5153.9
55°	4158.5	4231.0	5075.2	5652.6	5908.1	5838.6	5688.4	5637.3	5591.3	5724.2	5497.3
57.5°	3829.4	3870.3	4529.5	5643.4	6125.8	6198.4	6223.9	6200.4	6136.0	6301.6	5856.0
60°	3632.2	3691.4	4268.9	5541.2	6360.9	6605.1	6765.6	6718.6	6639.9	6867.8	6240.3
62.5°	3396.1	3439.0	4009.3	5246.9	6500.9	7019.0	7273.5	7230.6	7068.1	7390.0	6551.0
65°	2960.7	3025.1	3596.4	4783.9	6312.8	7322.6	7751.8	7737.5	7455.4	7784.5	6635.8
67.5°	2409.9	2468.1	3000.6	4149.3	5763.0	7209.1	8022.6	7977.7	7631.2	7814.2	6367.0
70°	1808.9	1840.6	2242.3	3170.2	4721.6	6603.1	7826.4	7817.2	7364.5	7374.7	5542.3
72.5°	970.9	1058.8	1491.1	2121.7	3320.5	5348.1	6975.1	6938.3	6570.4	6040.0	3985.8
75°	339.3	364.9	794.1	1191.6	1803.8	3562.7	5363.4	5277.6	4913.7	3928.5	2171.7
77.5°	208.5	228.9	352.6	609.1	702.1	1546.3	3222.3	3110.9	2875.9	1698.6	742.0
80°	144.1	162.5	236.1	318.9	239.1	500.8	1482.9	1441.0	1108.9	404.7	170.7
82.5°	80.7	97.1	178.8	156.4	96.1	129.8	514.1	476.2	295.4	109.4	57.2
85°	47.0	56.2	125.7	110.4	49.1	46.0	133.9	119.6	76.6	40.9	27.6
87.5°	24.5	31.7	92.0	73.6	29.6	16.4	30.7	29.6	19.4	14.3	18.4
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°	1900.9	1900.9	1900.9	1900.9	1900.9	1900.9	1900.9	1900.9	1900.9	1900.9	1900.9
2.5°	1915.2	1910.1	1936.7	1945.9	1943.8	1939.7	1950.0	1936.7	1935.7	1932.6	1929.5
5°	1950.0	1958.1	1979.6	1979.6	1951.0	1904.0	1875.4	1836.5	1803.8	1784.4	1781.3
7.5°	2002.1	2018.4	2032.7	1988.8	1890.7	1774.2	1650.5	1553.4	1468.6	1424.7	1420.6
10°	2075.7	2091.0	2079.8	1954.0	1743.5	1502.3	1301.0	1098.6	997.5	942.3	942.3
12.5°	2163.6	2175.8	2107.3	1867.2	1501.3	1151.8	883.0	670.4	569.2	503.8	499.8
15°	2258.6	2261.7	2103.3	1715.9	1201.9	773.6	506.9	372.0	329.1	319.9	317.8
17.5°	2341.4	2329.1	2060.3	1492.1	865.6	460.9	321.9	291.3	283.1	283.1	283.1
20°	2419.1	2378.2	1974.5	1231.5	554.9	313.8	277.0	268.8	268.8	269.8	269.8
22.5°	2504.9	2424.2	1851.9	942.3	356.7	268.8	259.6	255.5	254.5	257.5	256.5
25°	2606.1	2469.1	1676.1	651.0	275.9	250.4	246.3	242.2	242.2	242.2	242.2
27.5°	2662.3	2463.0	1475.8	410.8	241.2	232.0	227.9	223.8	220.8	219.7	220.8
30°	2711.3	2427.2	1214.1	287.2	217.7	207.5	204.4	199.3	193.2	191.1	191.1
32.5°	2775.7	2397.6	940.2	231.0	197.2	186.0	176.8	168.6	158.4	154.3	153.3
35°	2847.3	2343.4	688.8	203.4	178.8	164.5	150.2	136.9	123.7	119.6	118.6
37.5°	2936.2	2294.4	467.1	188.0	163.5	146.1	126.7	108.3	96.1	94.0	94.0
40°	3056.8	2253.5	322.9	174.8	149.2	128.8	105.3	85.8	77.7	75.6	75.6
42.5°	3221.3	2219.8	244.3	163.5	136.9	111.4	84.8	70.5	64.4	62.3	62.3
45°	3415.5	2167.6	206.4	153.3	124.7	94.0	70.5	59.3	56.2	56.2	56.2
47.5°	3638.3	2102.2	188.0	143.1	111.4	76.6	59.3	54.2	53.1	53.1	54.2
50°	3863.1	2024.6	174.8	130.8	96.1	65.4	54.2	51.1	51.1	52.1	52.1
52.5°	4015.4	1902.9	161.5	117.5	80.7	57.2	51.1	50.1	49.1	49.1	49.1
55°	4163.6	1796.7	143.1	103.2	67.5	53.1	49.1	48.0	48.0	47.0	47.0
57.5°	4317.9	1712.9	119.6	85.8	57.2	50.1	47.0	47.0	45.0	43.9	43.9
60°	4496.8	1639.3	92.0	67.5	50.1	47.0	43.9	42.9	40.9	38.8	38.8
62.5°	4548.9	1483.9	69.5	54.2	42.9	40.9	39.9	37.8	32.7	28.6	29.6
65°	4413.0	1239.7	55.2	42.9	34.7	34.7	31.7	26.6	21.5	18.4	18.4
67.5°	4037.9	925.9	45.0	33.7	27.6	26.6	22.5	19.4	13.3	11.2	11.2
70°	3327.6	612.2	36.8	26.6	22.5	18.4	15.3	14.3	10.2	8.2	8.2
72.5°	2332.2	332.1	30.7	21.5	16.4	12.3	10.2	9.2	7.2	6.1	5.1
75°	1231.5	127.7	24.5	16.4	10.2	8.2	6.1	6.1	5.1	4.1	4.1
77.5°	422.1	54.2	17.4	9.2	7.2	5.1	4.1	3.1	4.1	3.1	3.1
80°	100.2	31.7	11.2	6.1	4.1	3.1	3.1	2.0	2.0	2.0	2.0
82.5°	43.9	18.4	7.2	4.1	4.1	3.1	2.0	1.0	1.0	1.0	1.0
85°	29.6	11.2	5.1	4.1	3.1	2.0	1.0	1.0	0.0	0.0	0.0
87.5°	23.5	7.2	4.1	4.1	3.1	2.0	1.0	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)