

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: P672157

Luminaire Tested: **CCP-SA-1D-830-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672157
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-830-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T2R distribution lens
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

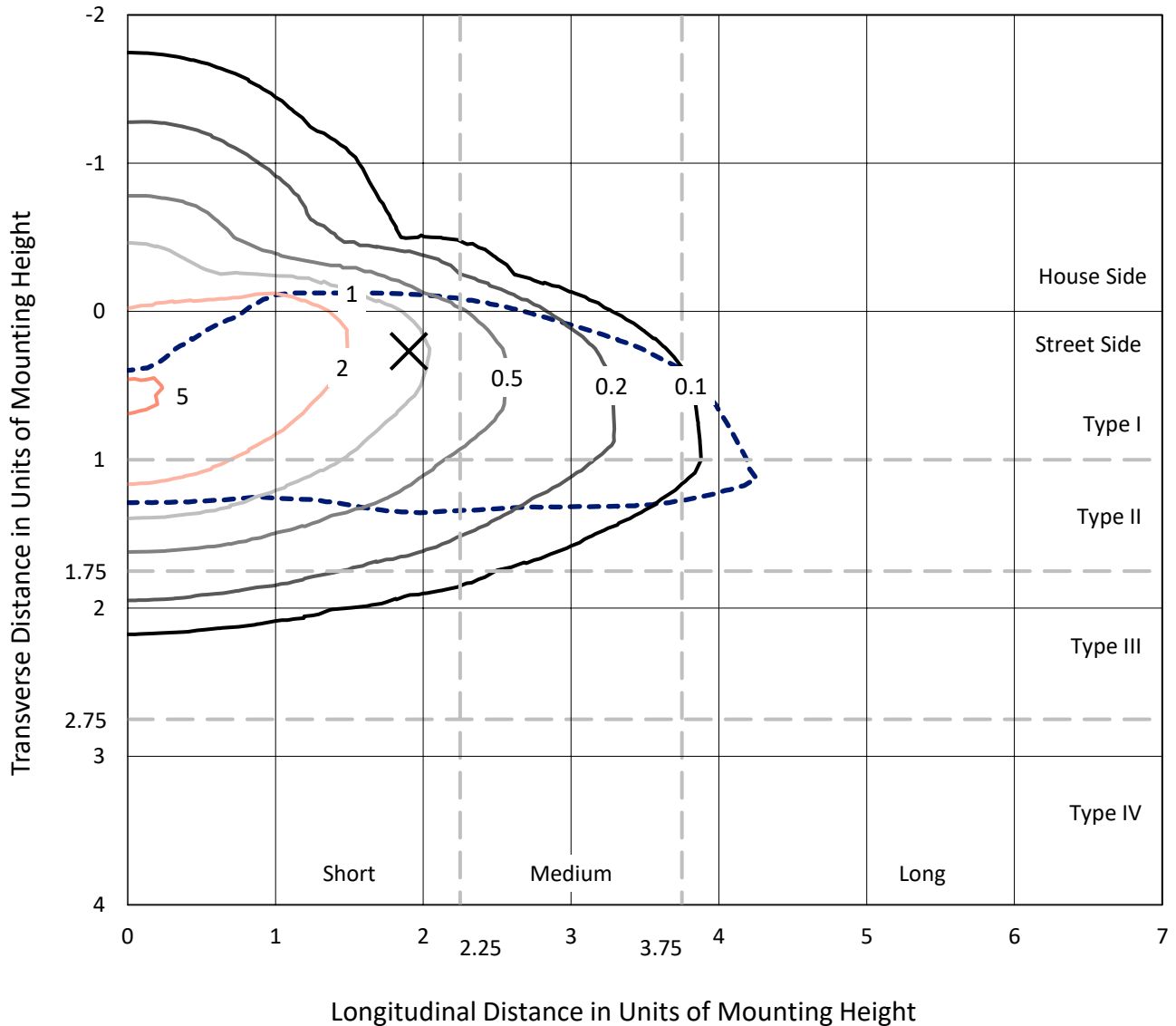
Lumens per Lamp: N/A
Luminaire Lumens: 4501.3 lumens
Efficiency: N/A
Efficacy: 102.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 44
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

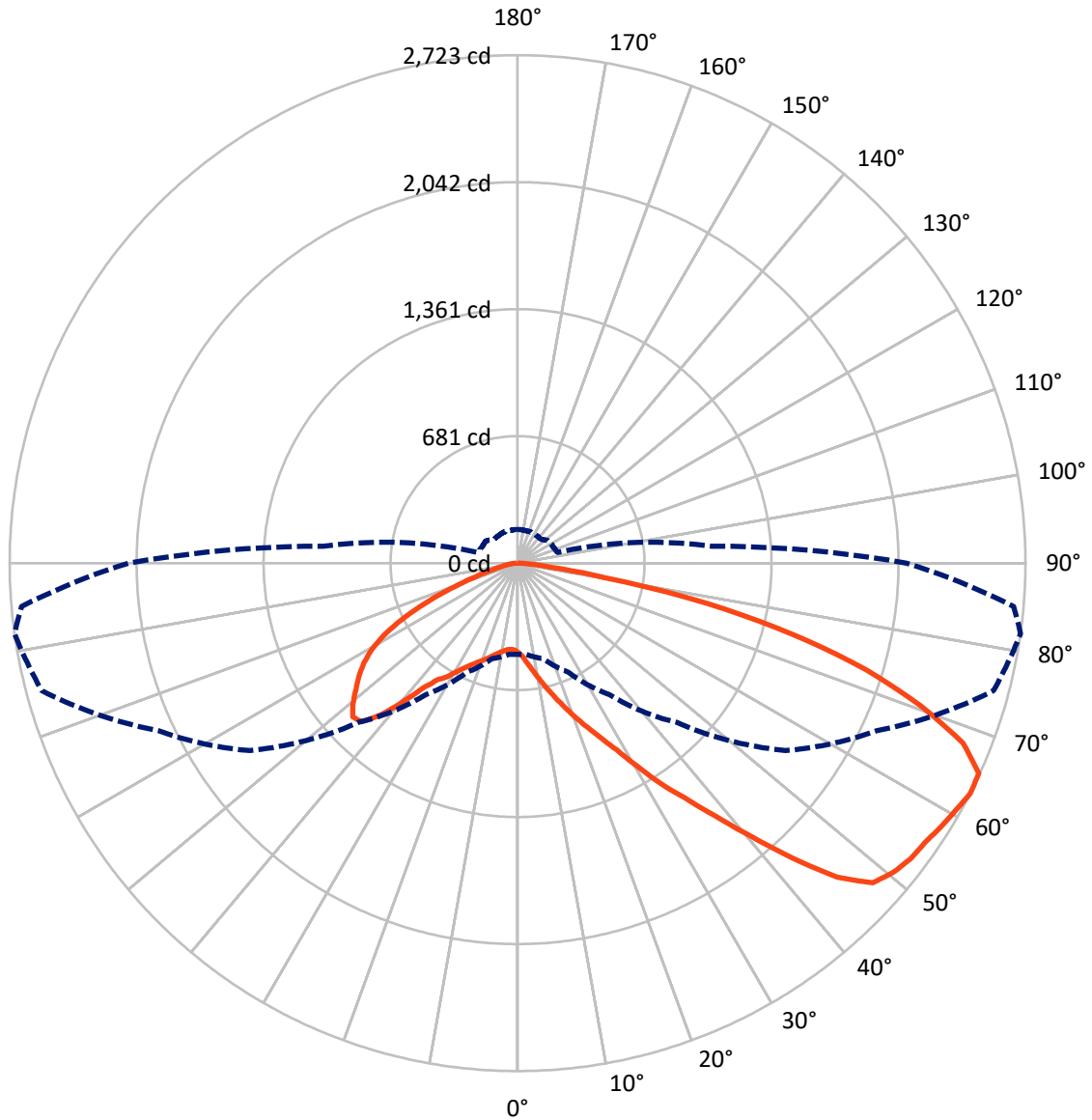
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	848.0	0.0	848.0
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	3653.2	0.0	3653.2
	% Fixture	81.2	0.0	81.2
Total	Lumens	4501.3	0.0	4501.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.0	1.2
10°-20°	199.8	4.4
20°-30°	413.7	9.2
30°-40°	702.3	15.6
40°-50°	956.3	21.2
50°-60°	968.0	21.5
60°-70°	762.9	16.9
70°-80°	375.8	8.3
80°-90°	69.5	1.5
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°	4501.3	100.0
0°-180°	4501.3	100.0

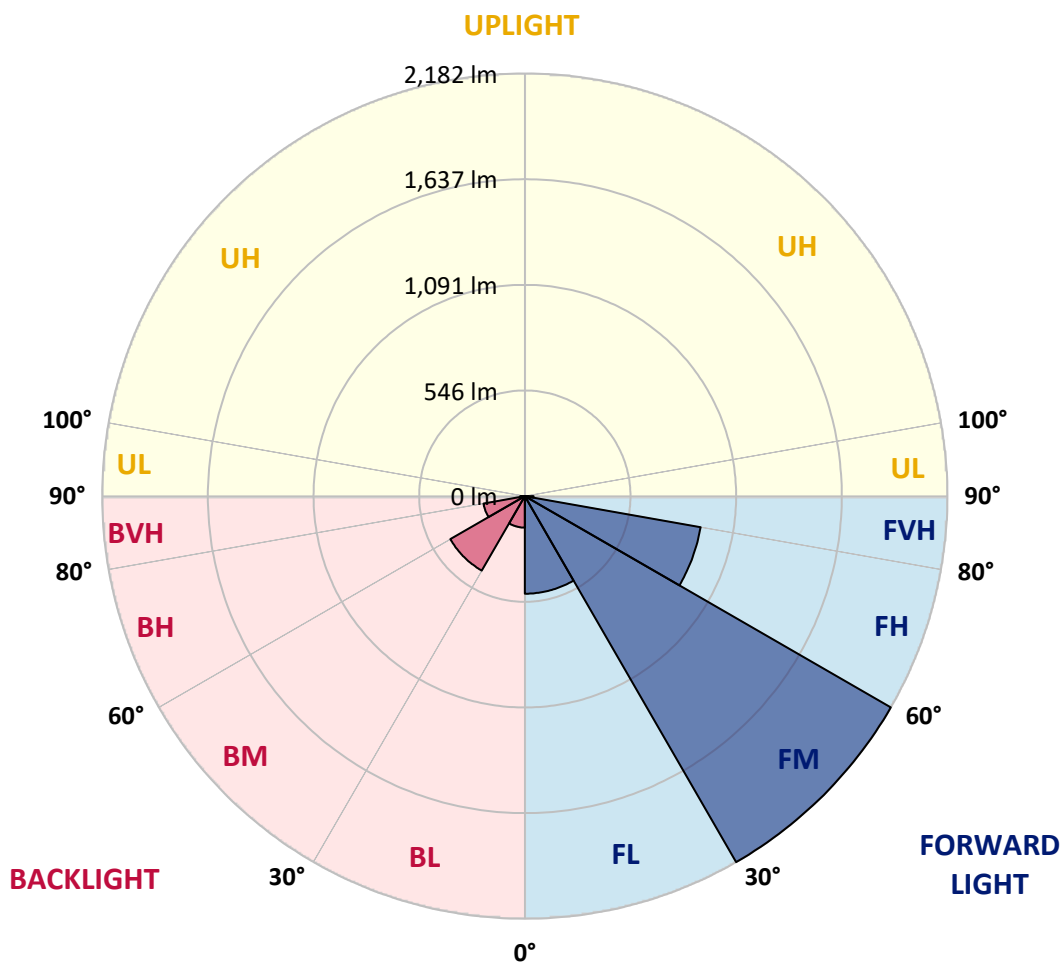


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	503.8	11.2			
FM (30°-60°)	2182.4	48.5			
FH (60°-80°)	921.9	20.5			G1/1800
FVH (80°-90°)	45.2	1.0			G1/100
BL (0°-30°)	162.7	3.6	B1/500		
BM (30°-60°)	444.2	9.9	B1/1000		
BH (60°-80°)	216.8	4.8	B1/500		G1/500
BVH (80°-90°)	24.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7
2.5°	637.5	627.8	622.6	616.7	600.5	590.2	570.7	548.0	521.8	499.4	495.2
5°	772.0	762.3	763.6	749.3	725.6	703.6	667.3	624.5	574.6	536.4	523.1
7.5°	866.9	856.2	858.8	853.0	833.9	809.6	763.6	708.5	635.5	578.8	557.4
10°	930.5	931.8	933.7	931.4	919.1	901.9	856.2	795.3	704.6	629.1	599.9
12.5°	1002.4	1006.0	1005.3	1006.3	999.8	986.2	941.5	884.1	778.1	683.2	645.3
15°	1094.1	1090.6	1093.5	1097.7	1090.6	1075.6	1036.1	968.0	855.3	743.5	696.5
17.5°	1194.6	1187.1	1194.9	1190.7	1185.5	1175.8	1132.4	1059.8	935.0	808.6	753.5
20°	1281.4	1276.6	1280.8	1281.4	1282.4	1280.5	1235.7	1158.6	1018.6	879.6	815.1
22.5°	1379.0	1376.7	1376.1	1376.4	1377.4	1379.6	1349.2	1266.9	1111.3	954.1	881.5
25°	1515.4	1513.2	1498.3	1481.7	1472.0	1479.1	1463.3	1389.7	1213.7	1037.7	954.4
27.5°	1668.4	1664.8	1645.1	1603.3	1572.1	1577.3	1575.7	1525.2	1331.7	1133.7	1041.9
30°	1827.2	1818.5	1791.2	1732.6	1683.6	1674.6	1679.1	1662.2	1480.1	1261.0	1163.8
32.5°	1968.8	1952.6	1916.7	1857.3	1799.0	1772.8	1773.4	1780.9	1641.5	1409.5	1291.5
35°	2055.4	2044.7	2017.8	1957.8	1892.7	1875.2	1870.3	1907.6	1789.6	1546.9	1405.9
37.5°	2102.0	2091.7	2062.8	2014.5	1965.3	1958.1	1967.2	2024.9	1957.8	1718.3	1561.5
40°	2093.6	2082.6	2063.8	2030.1	1997.7	2003.2	2043.4	2132.5	2141.6	1923.5	1783.1
42.5°	2024.3	2012.6	2011.0	2008.7	1993.5	2017.8	2090.4	2211.2	2310.4	2160.4	2051.5
45°	1901.7	1894.6	1903.0	1941.9	1961.1	2008.0	2112.4	2249.5	2458.9	2401.2	2305.2
47.5°	1746.5	1742.3	1761.4	1823.0	1884.9	1978.2	2127.0	2259.9	2560.9	2560.9	2471.5
50°	1572.8	1571.2	1596.5	1685.9	1782.8	1923.5	2125.4	2269.6	2605.7	2607.9	2530.2
52.5°	1330.4	1338.8	1406.2	1524.2	1655.8	1837.6	2102.7	2296.8	2630.9	2636.1	2569.4
55°	1051.0	1059.1	1160.9	1319.7	1488.2	1733.2	2034.9	2288.7	2635.8	2647.5	2591.7
57.5°	839.1	840.7	904.2	1092.8	1301.5	1599.7	1956.8	2234.9	2621.5	2672.4	2626.1
60°	656.6	661.8	704.2	853.6	1085.0	1427.6	1869.7	2181.8	2629.6	2696.1	2657.2
62.5°	489.0	490.3	529.9	645.6	862.1	1208.2	1751.4	2125.0	2641.0	2722.7	2669.8
65°	318.6	318.3	356.5	460.9	644.0	971.3	1565.7	2036.2	2642.0	2716.8	2611.8
67.5°	202.6	203.9	220.4	286.2	431.0	733.1	1312.9	1871.3	2595.9	2575.5	2400.5
70°	164.3	164.6	169.8	187.0	262.5	501.0	986.8	1613.3	2450.4	2293.9	2086.5
72.5°	146.5	146.8	149.4	151.3	175.0	301.1	647.5	1310.0	2191.8	1955.2	1731.0
75°	131.6	131.6	133.2	131.3	143.6	188.9	367.5	984.9	1805.2	1522.6	1307.7
77.5°	115.4	115.1	115.1	114.1	124.1	138.1	184.1	687.4	1300.2	1038.4	848.1
80°	97.9	97.2	98.2	97.6	107.3	104.7	107.3	424.2	704.9	476.1	361.0
82.5°	76.2	76.2	79.1	79.7	88.5	75.8	75.5	201.3	267.7	177.9	133.2
85°	39.9	44.7	60.3	62.9	66.8	47.6	55.4	94.0	107.3	68.1	48.6
87.5°	12.0	12.6	36.9	41.5	41.2	24.0	34.0	45.4	50.2	30.1	19.8
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°	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7	478.7
2.5°	484.5	473.2	449.2	427.8	411.6	396.0	385.3	379.8	372.7	373.7	371.4
5°	499.4	476.1	433.6	399.3	376.3	358.8	348.1	342.6	337.4	334.8	336.7
7.5°	521.8	485.5	426.2	384.7	360.7	345.8	340.0	338.3	337.1	336.1	337.7
10°	550.6	502.0	424.9	379.5	357.5	348.4	346.1	345.2	343.9	342.6	343.5
12.5°	580.1	520.2	429.4	380.8	362.7	355.8	352.9	351.6	348.4	346.8	347.1
15°	617.1	542.2	435.6	386.0	369.5	360.7	356.8	353.3	348.1	345.8	346.8
17.5°	656.6	568.4	444.0	390.8	372.1	361.4	353.6	348.4	343.2	340.0	340.3
20°	701.3	594.4	451.5	392.5	370.8	355.8	346.4	340.3	333.5	329.9	328.9
22.5°	747.7	621.6	457.3	391.2	363.6	346.4	335.8	328.3	320.2	314.7	315.0
25°	804.1	658.5	462.1	386.6	354.2	334.1	322.1	312.7	304.3	299.1	299.5
27.5°	871.8	700.4	468.0	379.5	342.9	320.8	306.9	297.5	289.4	284.5	283.9
30°	962.2	754.8	474.5	370.8	328.6	306.3	292.7	282.9	275.2	270.6	270.6
32.5°	1064.0	821.2	479.0	360.4	312.7	290.7	278.4	270.6	264.8	258.6	258.0
35°	1152.5	872.8	492.9	352.3	298.8	276.1	267.7	262.2	253.4	247.6	246.6
37.5°	1282.4	963.5	534.1	350.0	282.0	264.8	263.2	252.8	242.7	231.7	230.8
40°	1491.8	1120.7	582.1	339.0	264.5	258.6	257.0	243.1	219.4	212.6	211.3
42.5°	1758.2	1310.0	587.2	306.9	252.1	253.4	248.6	221.4	211.0	205.8	204.5
45°	1998.6	1463.6	557.8	274.2	243.1	245.7	235.6	213.2	207.4	202.6	201.3
47.5°	2133.8	1510.9	502.0	249.5	236.3	238.9	214.9	209.4	203.5	198.7	197.4
50°	2171.7	1469.7	437.2	235.3	231.1	232.0	209.4	206.1	200.9	197.0	195.1
52.5°	2179.2	1408.2	377.2	226.9	227.2	218.4	204.5	201.9	198.7	192.5	190.2
55°	2182.4	1352.7	323.4	221.7	224.6	200.9	199.3	197.4	194.8	188.3	187.0
57.5°	2190.8	1281.8	281.3	217.8	221.4	192.8	193.5	192.2	188.9	186.0	185.4
60°	2166.8	1183.6	248.9	213.9	216.8	186.0	186.7	187.3	184.4	183.8	183.4
62.5°	2086.5	1044.2	221.4	208.7	207.4	179.2	179.2	181.8	179.2	180.2	180.2
65°	1920.9	866.6	196.7	199.0	192.8	171.8	171.4	176.0	172.1	176.3	176.6
67.5°	1638.6	656.0	171.4	183.8	177.6	164.0	165.3	168.8	163.7	172.4	172.4
70°	1297.0	446.3	145.2	162.4	162.0	155.2	159.5	159.1	153.3	166.3	164.0
72.5°	966.1	286.5	118.3	136.1	141.6	145.8	153.6	146.8	141.3	148.8	142.0
75°	675.1	179.5	93.3	107.6	118.0	135.5	146.5	132.9	124.8	122.5	120.6
77.5°	404.1	114.7	73.6	82.0	92.0	123.2	137.4	118.3	106.0	104.7	100.8
80°	186.4	74.9	56.1	61.3	65.5	105.7	125.1	101.1	86.2	84.9	80.4
82.5°	84.3	49.3	41.8	43.8	44.1	83.9	105.7	80.0	65.8	106.6	92.4
85°	39.2	31.8	27.2	25.9	26.3	56.1	76.8	55.1	74.9	58.3	44.4
87.5°	16.9	16.2	13.9	11.0	10.0	12.0	29.5	23.0	32.7	13.0	8.8
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)