

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: P671063

Luminaire Tested: **CCP-SA-1F-722-U-T4W**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671063
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-722-U-T4W
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ T4W distribution lens
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

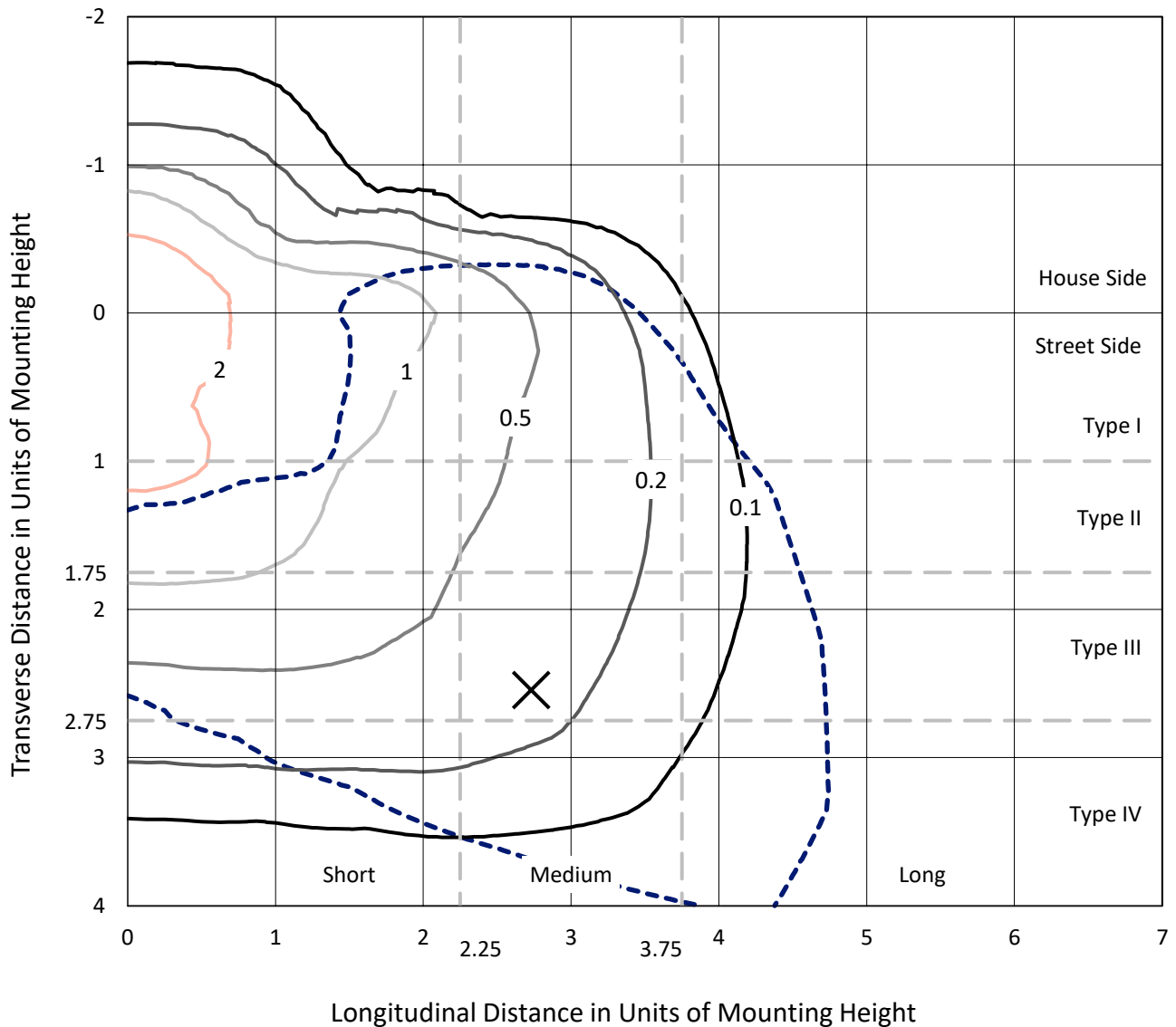
Lumens per Lamp: N/A
Luminaire Lumens: 5571.5 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 67
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

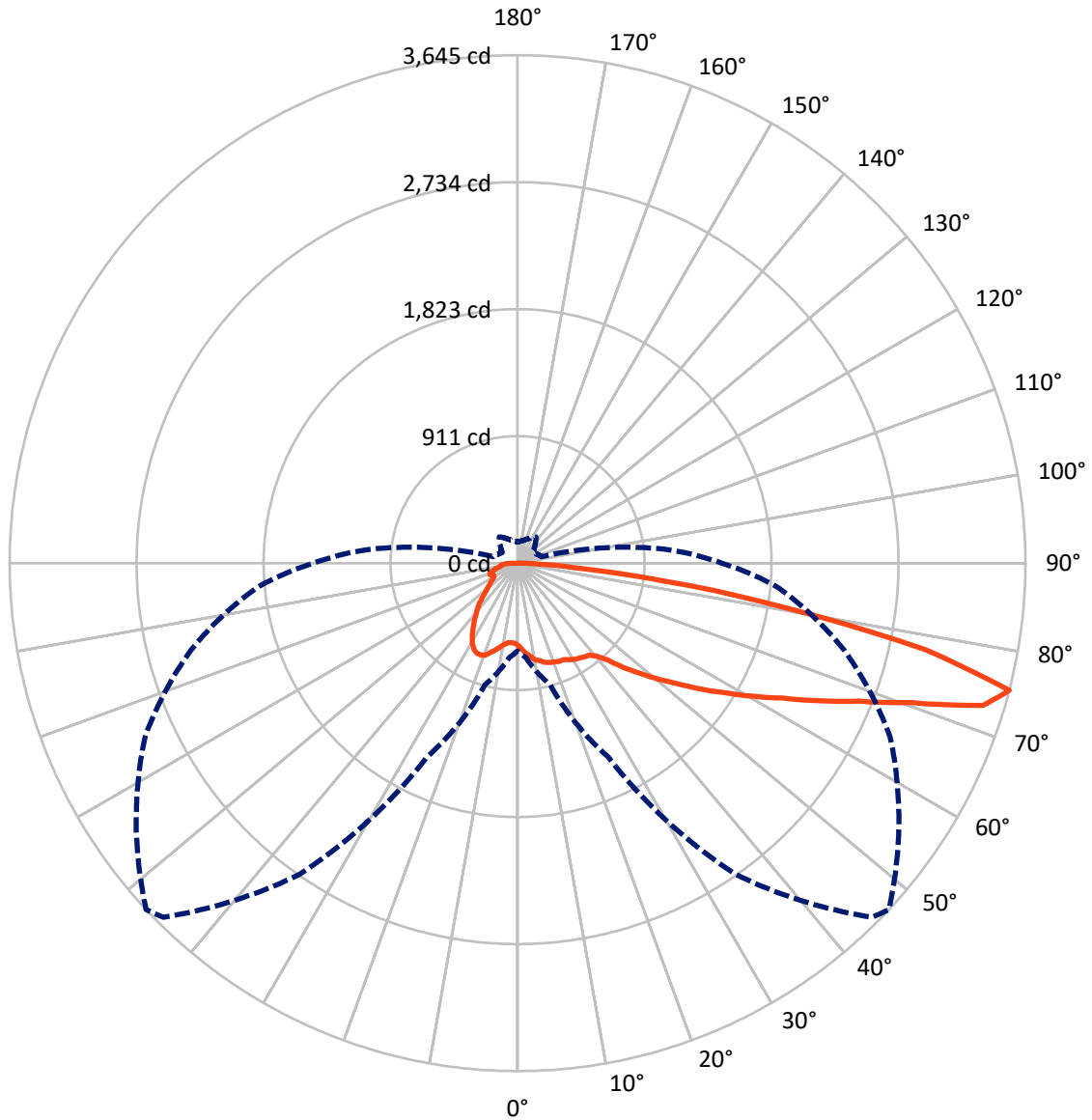
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1332.4	0.0	1332.4
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	4239.1	0.0	4239.1
	% Fixture	76.1	0.0	76.1
Total	Lumens	5571.5	0.0	5571.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.8	1.1
10°-20°	198.6	3.6
20°-30°	340.2	6.1
30°-40°	476.0	8.5
40°-50°	663.6	11.9
50°-60°	991.9	17.8
60°-70°	1430.1	25.7
70°-80°	1217.4	21.8
80°-90°	193.9	3.5
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°	5571.5	100.0
0°-180°	5571.5	100.0



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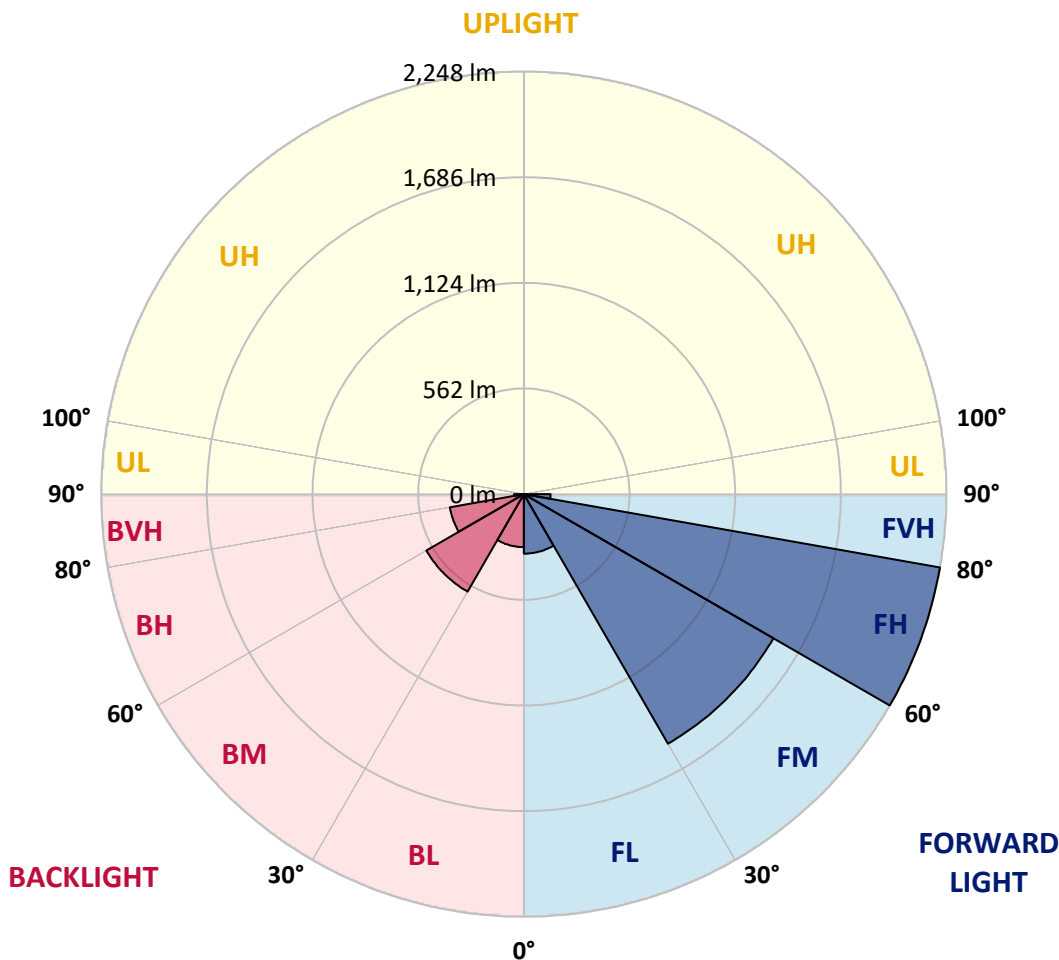
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	316.6	5.7			
FM (30°-60°)	1532.7	27.5			
FH (60°-80°)	2247.8	40.3			G2/5000
FVH (80°-90°)	142.1	2.6			G2/225
BL (0°-30°)	282.0	5.1	B1/500		
BM (30°-60°)	598.8	10.7	B1/1000		
BH (60°-80°)	399.7	7.2	B1/500		G1/500
BVH (80°-90°)	51.8	0.9			G1/100
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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	591.6	591.6	591.6	591.6	591.6	591.6	591.6	591.6	591.6	591.6	591.6
2.5°	634.3	636.3	636.3	632.2	628.2	620.0	620.0	611.9	607.8	597.7	593.6
5°	693.2	687.1	681.0	679.0	668.8	654.6	652.6	644.4	622.1	611.9	597.7
7.5°	735.9	733.9	731.8	723.7	705.4	683.1	677.0	664.8	642.4	622.1	605.8
10°	770.5	778.6	770.5	752.2	733.9	709.5	707.5	685.1	664.8	640.4	620.0
12.5°	809.1	811.1	796.9	774.5	746.1	725.7	717.6	709.5	687.1	666.8	636.3
15°	835.5	831.5	821.3	790.8	758.3	737.9	740.0	729.8	705.4	691.2	658.7
17.5°	835.5	835.5	819.3	796.9	768.4	750.1	750.1	744.0	727.8	707.5	685.1
20°	819.3	819.3	809.1	796.9	764.4	760.3	756.2	752.2	752.2	733.9	701.4
22.5°	798.9	794.9	798.9	778.6	756.2	760.3	766.4	764.4	758.3	742.0	719.7
25°	778.6	780.6	784.7	770.5	750.1	768.4	766.4	776.6	772.5	760.3	742.0
27.5°	776.6	780.6	782.7	768.4	760.3	776.6	784.7	794.9	796.9	784.7	762.3
30°	807.1	805.0	803.0	784.7	778.6	792.8	801.0	815.2	827.4	801.0	782.7
32.5°	886.4	874.2	862.0	813.2	794.9	805.0	813.2	833.5	835.5	821.3	794.9
35°	1012.4	1004.3	963.6	878.2	827.4	817.2	825.4	839.6	843.7	833.5	813.2
37.5°	1156.7	1152.7	1095.7	992.1	894.5	845.7	837.6	857.9	874.2	851.8	823.3
40°	1299.0	1282.8	1242.1	1140.5	979.9	888.4	878.2	888.4	894.5	878.2	859.9
42.5°	1427.1	1408.8	1398.6	1297.0	1091.7	959.5	951.4	927.0	945.3	925.0	900.6
45°	1534.8	1530.8	1526.7	1439.3	1219.7	1075.4	1069.3	1006.3	1026.6	1010.4	975.8
47.5°	1612.1	1630.4	1624.3	1575.5	1366.1	1199.4	1181.1	1099.8	1130.3	1114.0	1079.5
50°	1703.6	1713.7	1707.6	1675.1	1502.3	1341.7	1307.2	1223.8	1258.4	1256.3	1238.0
52.5°	1784.9	1815.4	1780.8	1778.8	1697.5	1496.2	1437.3	1358.0	1414.9	1437.3	1435.2
55°	1880.4	1904.8	1894.7	1890.6	1872.3	1646.7	1593.8	1498.3	1593.8	1626.3	1654.8
57.5°	1961.8	1959.7	1998.4	2045.1	2067.5	1819.5	1756.4	1644.6	1789.0	1825.6	1904.8
60°	1998.4	2032.9	2098.0	2215.9	2278.9	2004.5	1939.4	1850.0	1986.2	2014.6	2161.0
62.5°	2022.7	2053.2	2179.3	2378.5	2415.1	2193.5	2132.5	2043.1	2201.6	2222.0	2439.5
65°	1955.7	1984.1	2234.2	2439.5	2569.6	2396.8	2382.6	2289.1	2417.1	2429.3	2732.2
67.5°	1878.4	1908.9	2187.4	2516.7	2774.9	2667.2	2644.8	2533.0	2630.6	2616.4	2955.9
70°	1742.2	1782.9	2067.5	2583.8	3002.6	3045.3	3000.6	2842.0	2852.2	2718.0	2966.0
72.5°	1327.5	1353.9	1618.2	2317.5	3108.3	3569.8	3492.5	3175.4	3059.5	2738.3	2618.4
75°	630.2	679.0	902.6	1532.8	2724.1	3594.2	3645.0	3340.1	2949.8	2429.3	1856.0
77.5°	183.0	183.0	274.4	650.5	1707.6	2896.9	2992.4	2835.9	2433.4	1799.1	975.8
80°	99.6	105.7	144.3	229.7	750.1	1827.6	1965.8	1880.4	1433.2	711.5	252.1
82.5°	56.9	59.0	95.5	138.2	341.5	994.1	1075.4	975.8	544.8	215.5	117.9
85°	32.5	34.6	54.9	91.5	203.3	365.9	398.5	345.6	219.6	144.3	59.0
87.5°	16.3	16.3	26.4	42.7	103.7	103.7	101.6	124.0	132.1	87.4	26.4
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°	591.6	591.6	591.6	591.6	591.6	591.6	591.6	591.6	591.6	591.6	591.6
2.5°	591.6	589.5	589.5	581.4	579.4	573.3	573.3	569.2	567.2	573.3	573.3
5°	593.6	583.4	581.4	573.3	575.3	571.2	579.4	575.3	573.3	573.3	571.2
7.5°	597.7	587.5	579.4	573.3	571.2	577.3	587.5	587.5	599.7	593.6	593.6
10°	607.8	601.7	591.6	587.5	587.5	593.6	605.8	613.9	624.1	624.1	618.0
12.5°	632.2	622.1	609.9	603.8	611.9	618.0	630.2	638.3	650.5	654.6	650.5
15°	650.5	640.4	636.3	632.2	638.3	646.5	656.6	664.8	679.0	683.1	681.0
17.5°	674.9	662.7	660.7	662.7	666.8	672.9	679.0	685.1	695.3	695.3	695.3
20°	687.1	683.1	681.0	687.1	695.3	703.4	699.3	695.3	693.2	697.3	695.3
22.5°	709.5	705.4	707.5	713.6	713.6	709.5	703.4	689.2	685.1	689.2	685.1
25°	729.8	725.7	725.7	721.7	719.7	705.4	693.2	681.0	666.8	672.9	670.9
27.5°	750.1	748.1	748.1	731.8	711.5	687.1	670.9	656.6	648.5	658.7	652.6
30°	774.5	776.6	766.4	727.8	679.0	652.6	634.3	632.2	630.2	636.3	634.3
32.5°	796.9	798.9	782.7	721.7	654.6	603.8	585.5	587.5	597.7	607.8	618.0
35°	809.1	819.3	798.9	701.4	605.8	548.9	528.6	546.9	565.1	579.4	589.5
37.5°	831.5	857.9	823.3	679.0	563.1	500.1	485.9	492.0	514.3	536.7	546.9
40°	864.0	894.5	829.4	636.3	506.2	451.3	443.2	445.2	453.3	467.6	477.7
42.5°	920.9	953.4	835.5	581.4	449.3	420.8	398.5	392.4	386.3	386.3	384.2
45°	1004.3	1034.8	827.4	512.3	392.4	372.0	355.8	341.5	325.3	298.8	302.9
47.5°	1126.2	1150.6	833.5	451.3	339.5	323.2	311.0	294.8	270.4	241.9	239.9
50°	1311.2	1274.6	825.4	388.3	300.9	286.6	276.5	254.1	225.7	205.3	203.3
52.5°	1526.7	1453.5	817.2	335.4	268.3	256.1	248.0	223.6	197.2	187.0	185.0
55°	1786.9	1681.2	829.4	288.7	243.9	233.8	225.7	203.3	183.0	174.8	172.8
57.5°	2093.9	1927.2	896.5	252.1	217.5	213.5	211.4	193.1	174.8	168.7	166.7
60°	2382.6	2163.0	941.2	225.7	193.1	197.2	201.3	193.1	172.8	168.7	168.7
62.5°	2624.5	2358.2	870.1	203.3	180.9	193.1	211.4	205.3	197.2	201.3	197.2
65°	2837.9	2425.3	650.5	191.1	174.8	203.3	233.8	231.8	213.5	217.5	215.5
67.5°	2874.5	2343.9	424.9	180.9	170.8	223.6	262.2	237.9	201.3	201.3	195.2
70°	2722.1	2126.4	284.6	170.8	168.7	223.6	268.3	223.6	189.1	189.1	180.9
72.5°	2234.2	1699.5	219.6	160.6	154.5	199.2	254.1	211.4	176.9	172.8	158.6
75°	1467.8	1095.7	178.9	152.5	134.2	174.8	229.7	195.2	168.7	156.5	150.4
77.5°	719.7	492.0	150.4	134.2	115.9	152.5	209.4	185.0	158.6	146.4	142.3
80°	197.2	176.9	126.0	117.9	97.6	132.1	197.2	176.9	148.4	136.2	130.1
82.5°	111.8	109.8	101.6	95.5	81.3	132.1	199.2	176.9	140.3	138.2	117.9
85°	61.0	65.1	73.2	71.2	63.0	117.9	189.1	154.5	113.8	95.5	95.5
87.5°	24.4	30.5	36.6	40.7	42.7	87.4	142.3	117.9	87.4	73.2	73.2
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)