

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: P675273

Luminaire Tested: **CCW-SA-2B-740-U-T4W**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675273
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2B-740-U-T4W
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
T4W distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6967.1 lumens
Efficiency: N/A
Efficacy: 151.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

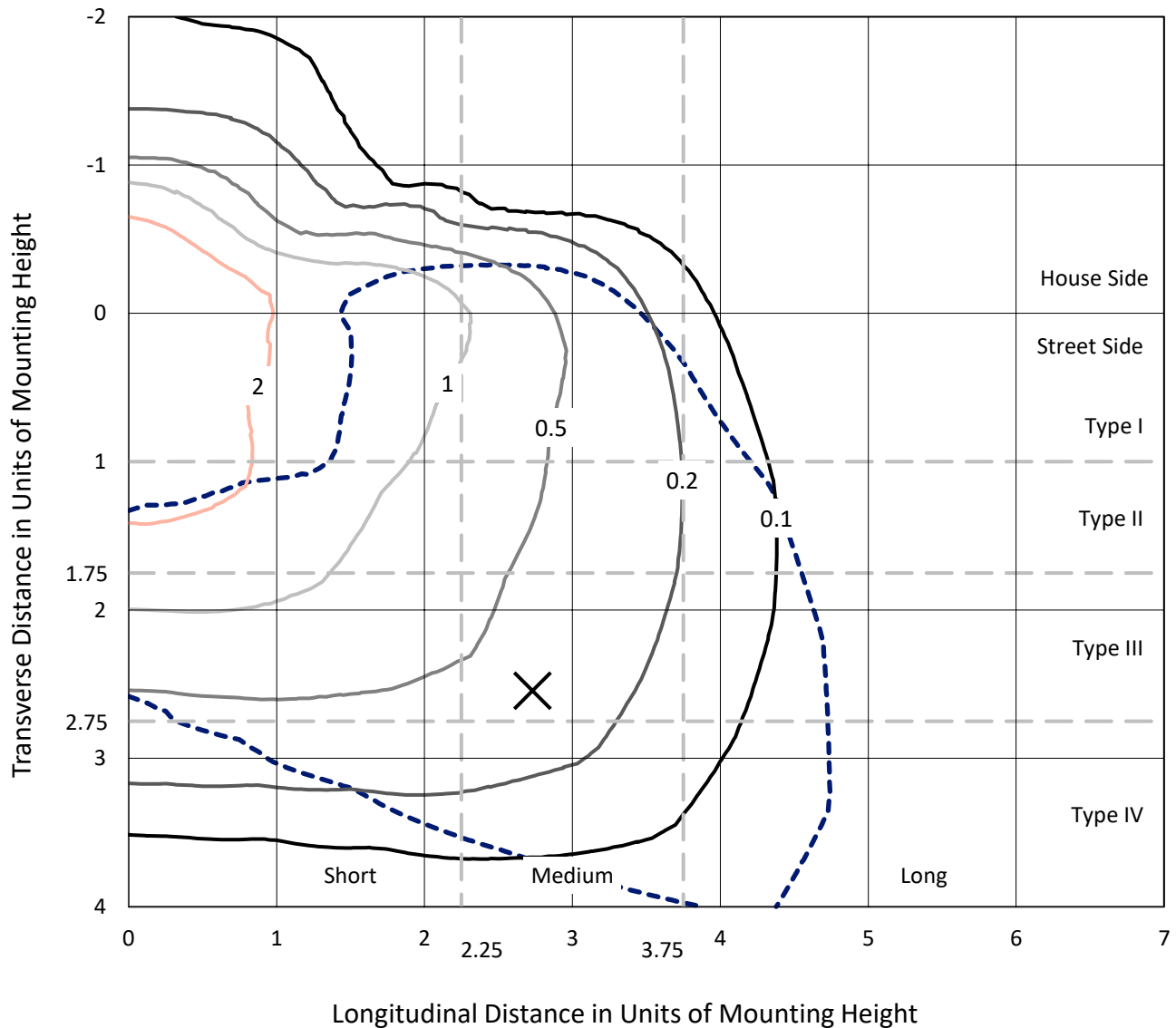
Input Watts (W): 46
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

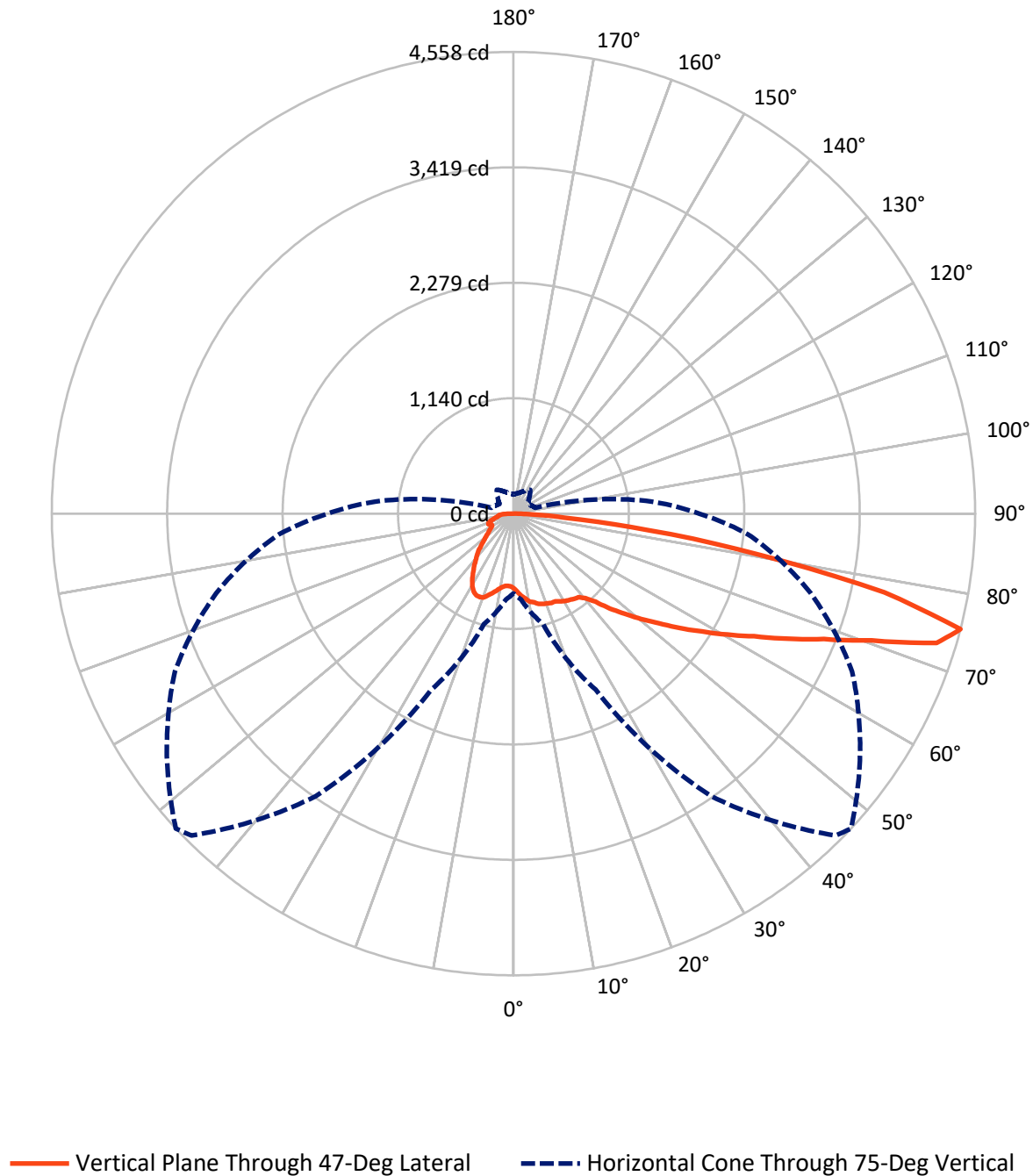
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.2 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1666.2	0.0	1666.2
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	5301.0	0.0	5301.0
	% Fixture	76.1	0.0	76.1
Total	Lumens	6967.1	0.0	6967.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.8	1.1
10°-20°	248.4	3.6
20°-30°	425.4	6.1
30°-40°	595.2	8.5
40°-50°	829.9	11.9
50°-60°	1240.4	17.8
60°-70°	1788.4	25.7
70°-80°	1522.3	21.8
80°-90°	242.5	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°	6967.1	100.0
0°-180°	6967.1	100.0

Coefficient of Utilization



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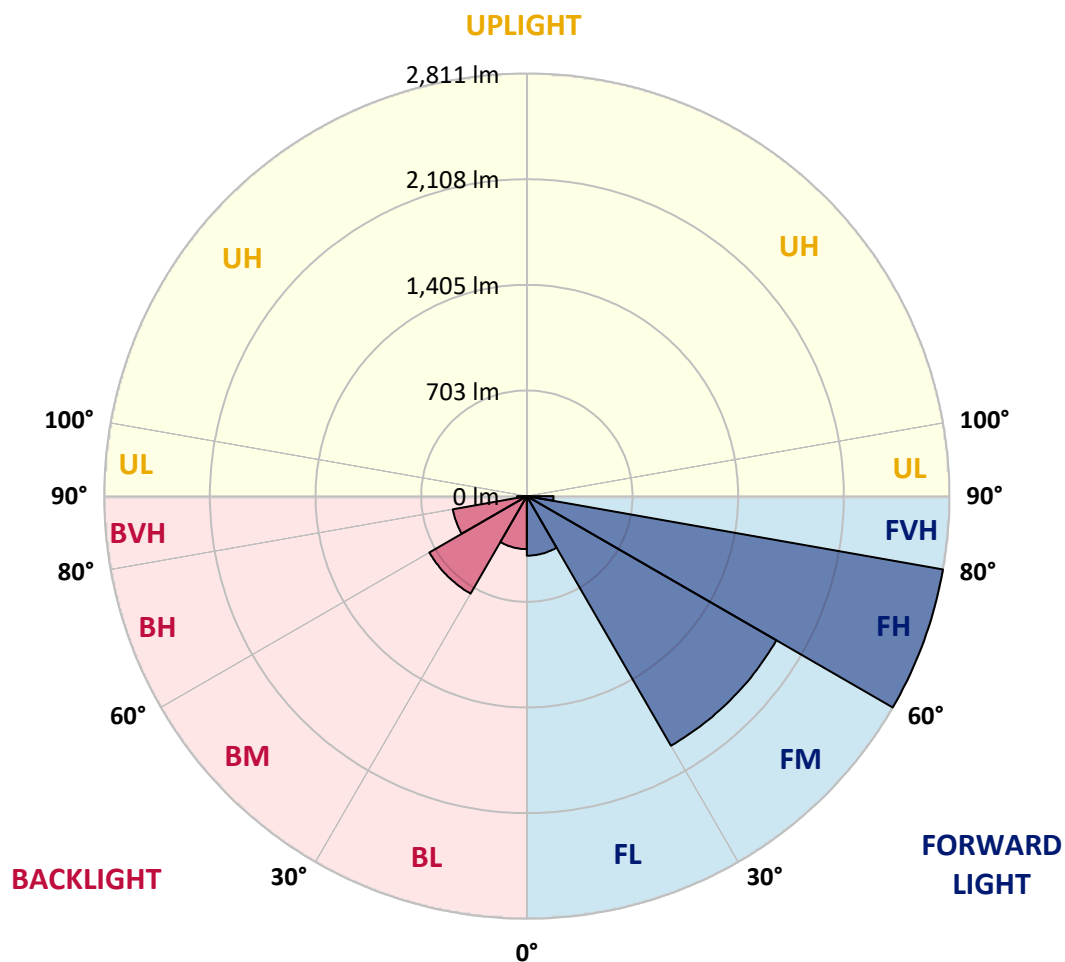
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	395.8	5.7			
FM	(30°-60°)	1916.6	27.5			
FH	(60°-80°)	2810.8	40.3			G2/5000
FVH	(80°-90°)	177.7	2.6			G2/225
BL	(0°-30°)	352.7	5.1	B1/500		
BM	(30°-60°)	748.8	10.7	B1/1000		
BH	(60°-80°)	499.8	7.2	B1/500		G1/500
BVH	(80°-90°)	64.8	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°	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8
2.5°	793.1	795.7	795.7	790.6	785.5	775.4	775.4	765.2	760.1	747.4	742.3
5°	866.9	859.2	851.6	849.1	836.4	818.6	816.0	805.9	777.9	765.2	747.4
7.5°	920.3	917.7	915.2	905.0	882.1	854.2	846.5	831.3	803.3	777.9	757.6
10°	963.5	973.6	963.5	940.6	917.7	887.2	884.7	856.7	831.3	800.8	775.4
12.5°	1011.8	1014.3	996.5	968.6	933.0	907.5	897.4	887.2	859.2	833.8	795.7
15°	1044.8	1039.7	1027.0	988.9	948.2	922.8	925.3	912.6	882.1	864.3	823.7
17.5°	1044.8	1044.8	1024.5	996.5	960.9	938.1	938.1	930.4	910.1	884.7	856.7
20°	1024.5	1024.5	1011.8	996.5	955.8	950.8	945.7	940.6	940.6	917.7	877.0
22.5°	999.1	994.0	999.1	973.6	945.7	950.8	958.4	955.8	948.2	927.9	899.9
25°	973.6	976.2	981.3	963.5	938.1	960.9	958.4	971.1	966.0	950.8	927.9
27.5°	971.1	976.2	978.7	960.9	950.8	971.1	981.3	994.0	996.5	981.3	953.3
30°	1009.2	1006.7	1004.1	981.3	973.6	991.4	1001.6	1019.4	1034.7	1001.6	978.7
32.5°	1108.4	1093.1	1077.9	1016.9	994.0	1006.7	1016.9	1042.3	1044.8	1027.0	994.0
35°	1266.0	1255.8	1205.0	1098.2	1034.7	1021.9	1032.1	1049.9	1055.0	1042.3	1016.9
37.5°	1446.5	1441.4	1370.2	1240.6	1118.5	1057.5	1047.4	1072.8	1093.1	1065.2	1029.6
40°	1624.4	1604.1	1553.2	1426.1	1225.3	1110.9	1098.2	1110.9	1118.5	1098.2	1075.3
42.5°	1784.6	1761.7	1749.0	1621.9	1365.1	1199.9	1189.7	1159.2	1182.1	1156.7	1126.2
45°	1919.3	1914.2	1909.1	1799.8	1525.3	1344.8	1337.2	1258.4	1283.8	1263.4	1220.2
47.5°	2015.9	2038.8	2031.2	1970.2	1708.3	1499.9	1477.0	1375.3	1413.4	1393.1	1349.9
50°	2130.3	2143.0	2135.4	2094.7	1878.6	1677.8	1634.6	1530.4	1573.6	1571.0	1548.2
52.5°	2232.0	2270.1	2226.9	2224.4	2122.7	1871.0	1797.3	1698.2	1769.3	1797.3	1794.8
55°	2351.5	2382.0	2369.3	2364.2	2341.3	2059.1	1993.0	1873.6	1993.0	2033.7	2069.3
57.5°	2453.2	2450.6	2498.9	2557.4	2585.4	2275.2	2196.4	2056.6	2237.1	2282.8	2382.0
60°	2498.9	2542.1	2623.5	2770.9	2849.7	2506.6	2425.2	2313.3	2483.7	2519.3	2702.3
62.5°	2529.4	2567.6	2725.2	2974.3	3020.1	2743.0	2666.7	2554.9	2753.1	2778.6	3050.6
65°	2445.5	2481.1	2793.8	3050.6	3213.3	2997.2	2979.4	2862.5	3022.6	3037.9	3416.6
67.5°	2348.9	2387.1	2735.3	3147.2	3470.0	3335.3	3307.3	3167.5	3289.5	3271.7	3696.3
70°	2178.6	2229.5	2585.4	3231.1	3754.7	3808.1	3752.2	3553.9	3566.6	3398.8	3709.0
72.5°	1660.0	1693.1	2023.5	2898.0	3886.9	4464.0	4367.4	3970.8	3825.9	3424.3	3274.3
75°	788.1	849.1	1128.7	1916.8	3406.5	4494.5	4558.1	4176.7	3688.6	3037.9	2321.0
77.5°	228.8	228.8	343.2	813.5	2135.4	3622.6	3742.0	3546.3	3042.9	2249.8	1220.2
80°	124.6	132.2	180.5	287.3	938.1	2285.4	2458.3	2351.5	1792.2	889.7	315.2
82.5°	71.2	73.7	119.5	172.9	427.1	1243.1	1344.8	1220.2	681.3	269.5	147.4
85°	40.7	43.2	68.6	114.4	254.2	457.6	498.3	432.2	274.6	180.5	73.7
87.5°	20.3	20.3	33.0	53.4	129.6	129.6	127.1	155.1	165.2	109.3	33.0
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°	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8	739.8
2.5°	739.8	737.2	737.2	727.1	724.5	716.9	716.9	711.8	709.3	716.9	716.9
5°	742.3	729.6	727.1	716.9	719.4	714.3	724.5	719.4	716.9	716.9	714.3
7.5°	747.4	734.7	724.5	716.9	714.3	722.0	734.7	734.7	749.9	742.3	742.3
10°	760.1	752.5	739.8	734.7	734.7	742.3	757.6	767.7	780.4	780.4	772.8
12.5°	790.6	777.9	762.6	755.0	765.2	772.8	788.1	798.2	813.5	818.6	813.5
15°	813.5	800.8	795.7	790.6	798.2	808.4	821.1	831.3	849.1	854.2	851.6
17.5°	844.0	828.7	826.2	828.7	833.8	841.4	849.1	856.7	869.4	869.4	869.4
20°	859.2	854.2	851.6	859.2	869.4	879.6	874.5	869.4	866.9	872.0	869.4
22.5°	887.2	882.1	884.7	892.3	892.3	887.2	879.6	861.8	856.7	861.8	856.7
25°	912.6	907.5	907.5	902.5	899.9	882.1	866.9	851.6	833.8	841.4	838.9
27.5°	938.1	935.5	935.5	915.2	889.7	859.2	838.9	821.1	810.9	823.7	816.0
30°	968.6	971.1	958.4	910.1	849.1	816.0	793.1	790.6	788.1	795.7	793.1
32.5°	996.5	999.1	978.7	902.5	818.6	755.0	732.1	734.7	747.4	760.1	772.8
35°	1011.8	1024.5	999.1	877.0	757.6	686.4	661.0	683.8	706.7	724.5	737.2
37.5°	1039.7	1072.8	1029.6	849.1	704.2	625.4	607.6	615.2	643.2	671.1	683.8
40°	1080.4	1118.5	1037.2	795.7	633.0	564.4	554.2	556.7	566.9	584.7	597.4
42.5°	1151.6	1192.3	1044.8	727.1	561.8	526.2	498.3	490.6	483.0	483.0	480.5
45°	1255.8	1294.0	1034.7	640.6	490.6	465.2	444.9	427.1	406.7	373.7	378.8
47.5°	1408.3	1438.9	1042.3	564.4	424.5	404.2	388.9	368.6	338.1	302.5	300.0
50°	1639.7	1593.9	1032.1	485.5	376.2	358.4	345.7	317.8	282.2	256.8	254.2
52.5°	1909.1	1817.6	1021.9	419.5	335.6	320.3	310.1	279.6	246.6	233.9	231.3
55°	2234.5	2102.4	1037.2	361.0	305.1	292.3	282.2	254.2	228.8	218.6	216.1
57.5°	2618.4	2410.0	1121.1	315.2	272.0	266.9	264.4	241.5	218.6	211.0	208.5
60°	2979.4	2704.8	1177.0	282.2	241.5	246.6	251.7	241.5	216.1	211.0	211.0
62.5°	3281.9	2948.9	1088.0	254.2	226.3	241.5	264.4	256.8	246.6	251.7	246.6
65°	3548.8	3032.8	813.5	239.0	218.6	254.2	292.3	289.8	266.9	272.0	269.5
67.5°	3594.6	2931.1	531.3	226.3	213.5	279.6	327.9	297.4	251.7	251.7	244.0
70°	3403.9	2659.1	355.9	213.5	211.0	279.6	335.6	279.6	236.4	236.4	226.3
72.5°	2793.8	2125.2	274.6	200.8	193.2	249.1	317.8	264.4	221.2	216.1	198.3
75°	1835.4	1370.2	223.7	190.7	167.8	218.6	287.3	244.0	211.0	195.7	188.1
77.5°	899.9	615.2	188.1	167.8	144.9	190.7	261.8	231.3	198.3	183.0	177.9
80°	246.6	221.2	157.6	147.4	122.0	165.2	246.6	221.2	185.6	170.3	162.7
82.5°	139.8	137.3	127.1	119.5	101.7	165.2	249.1	221.2	175.4	172.9	147.4
85°	76.3	81.3	91.5	89.0	78.8	147.4	236.4	193.2	142.4	119.5	119.5
87.5°	30.5	38.1	45.8	50.8	53.4	109.3	177.9	147.4	109.3	91.5	91.5
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)