

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: P671085

Luminaire Tested: **CCP-SA-1F-730-U-T4W**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671085
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-730-U-T4W
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ T4W
distribution lens
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6887.6 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

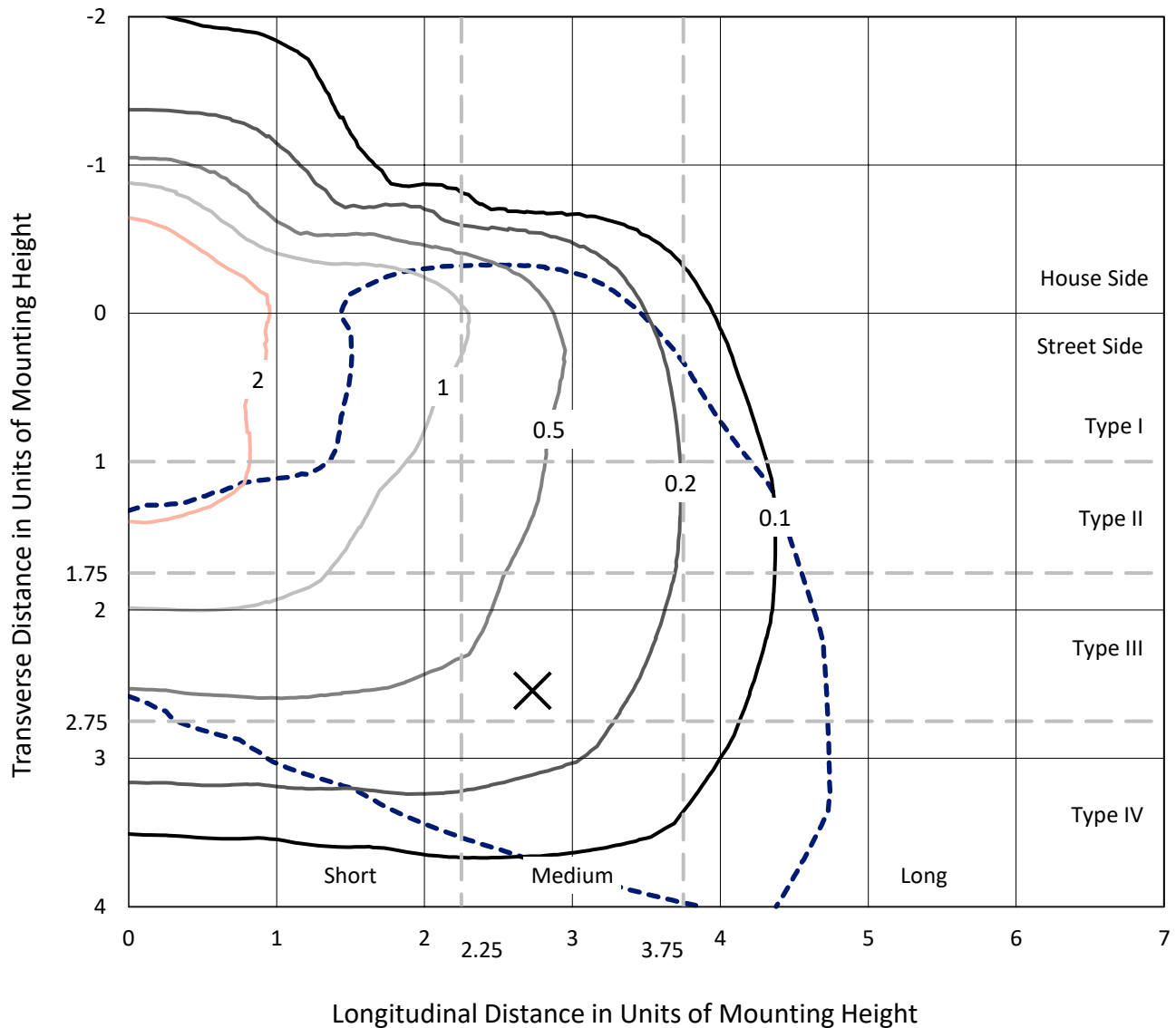
Input Watts (W): 67
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

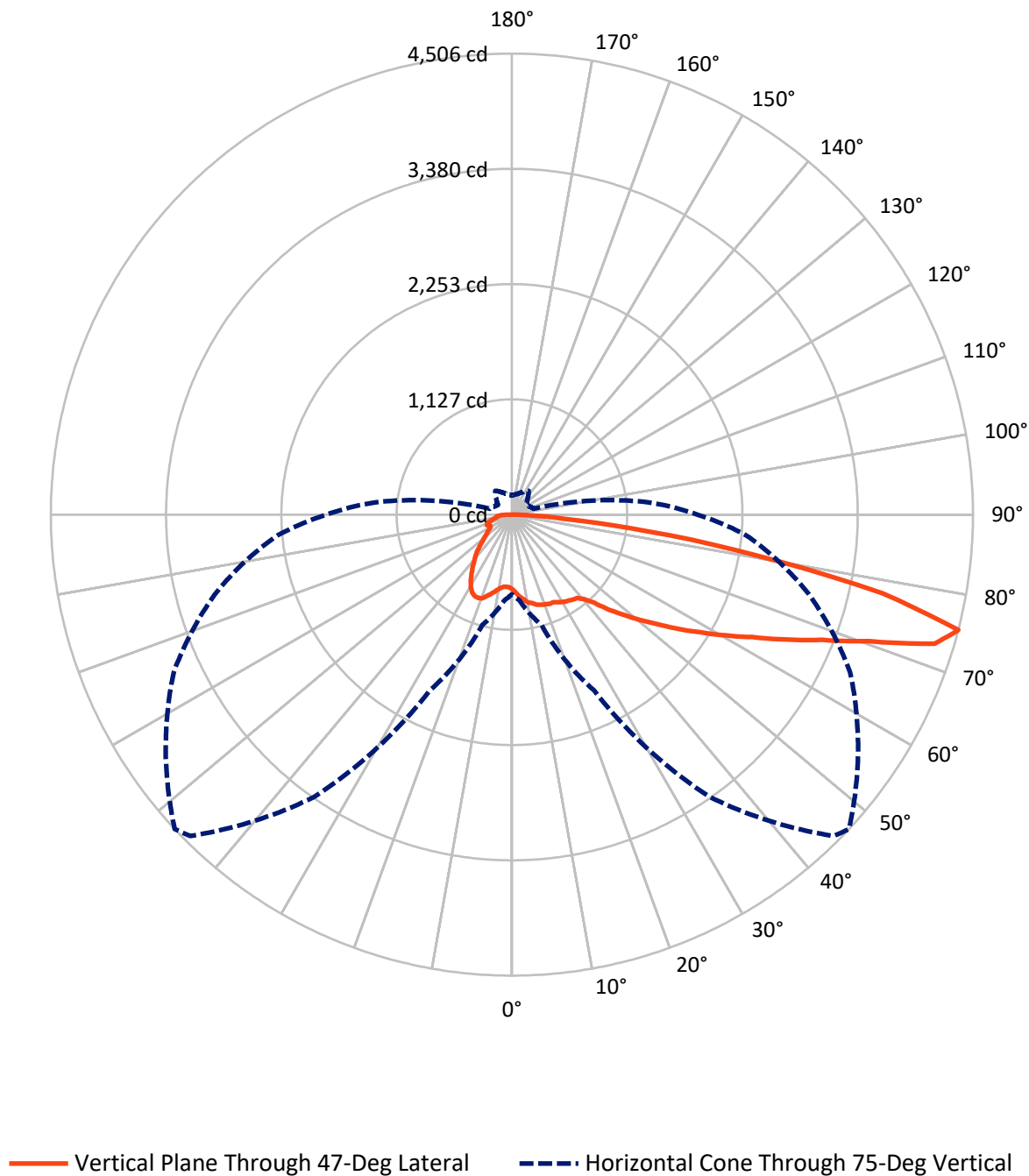
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.1 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	1647.2	0.0	1647.2
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	5240.5	0.0	5240.5
	% Fixture	76.1	0.0	76.1
Total	Lumens	6887.6	0.0	6887.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.9	1.1
10°-20°	245.5	3.6
20°-30°	420.5	6.1
30°-40°	588.4	8.5
40°-50°	820.4	11.9
50°-60°	1226.3	17.8
60°-70°	1768.0	25.7
70°-80°	1504.9	21.8
80°-90°	239.7	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°	6887.6	100.0
0°-180°	6887.6	100.0

Coefficient of Utilization



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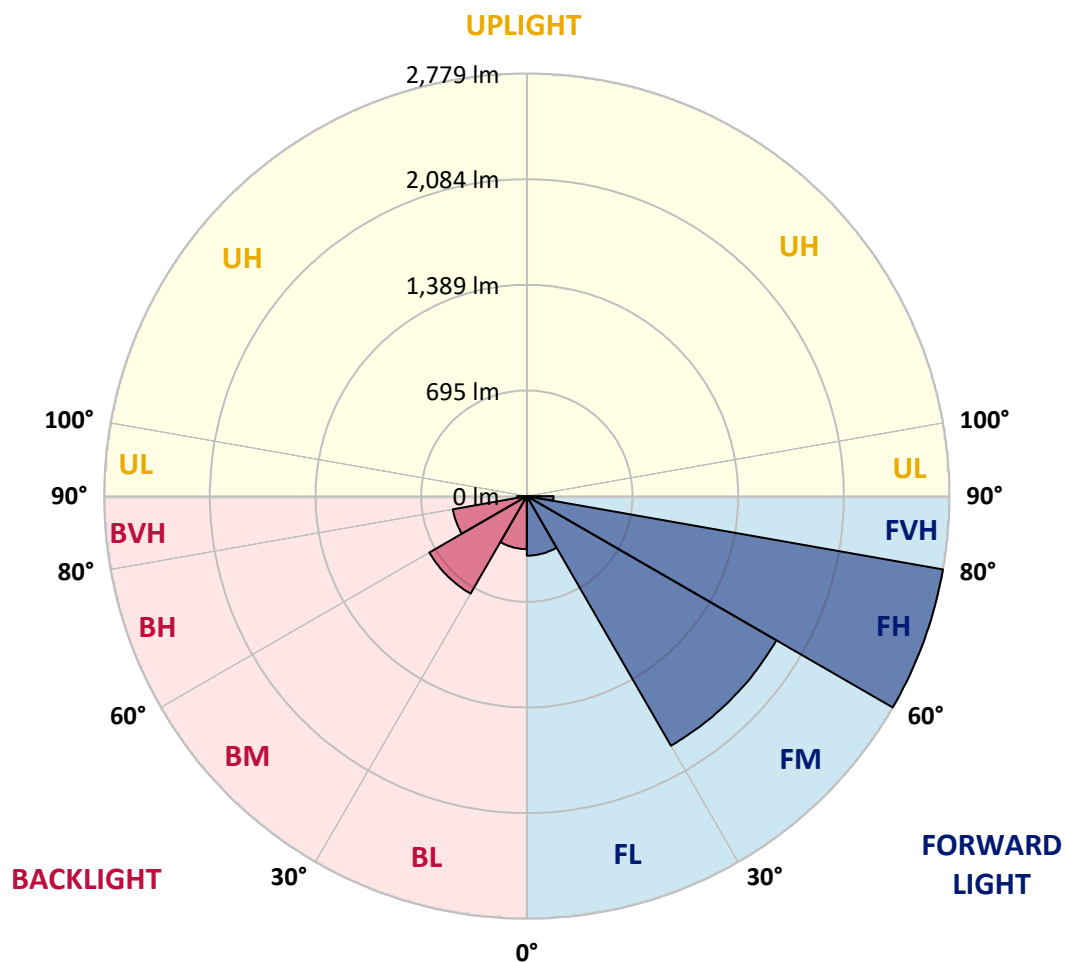
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	391.3	5.7			
FM	(30°-60°)	1894.7	27.5			
FH	(60°-80°)	2778.8	40.3			G2/5000
FVH	(80°-90°)	175.7	2.6			G2/225
BL	(0°-30°)	348.6	5.1	B1/500		
BM	(30°-60°)	740.3	10.7	B1/1000		
BH	(60°-80°)	494.1	7.2	B1/500		G1/500
BVH	(80°-90°)	64.1	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°	731.3	731.3	731.3	731.3	731.3	731.3	731.3	731.3	731.3	731.3	731.3
2.5°	784.1	786.6	786.6	781.6	776.6	766.5	766.5	756.5	751.4	738.9	733.8
5°	857.0	849.4	841.9	839.4	826.8	809.2	806.7	796.7	769.0	756.5	738.9
7.5°	909.8	907.2	904.7	894.7	872.1	844.4	836.9	821.8	794.1	769.0	748.9
10°	952.5	962.5	952.5	929.9	907.2	877.1	874.6	846.9	821.8	791.6	766.5
12.5°	1000.2	1002.7	985.1	957.5	922.3	897.2	887.1	877.1	849.4	824.3	786.6
15°	1032.9	1027.9	1015.3	977.6	937.4	912.3	914.8	902.2	872.1	854.5	814.3
17.5°	1032.9	1032.9	1012.8	985.1	950.0	927.3	927.3	919.8	899.7	874.6	846.9
20°	1012.8	1012.8	1000.2	985.1	944.9	939.9	934.9	929.9	929.9	907.2	867.0
22.5°	987.7	982.6	987.7	962.5	934.9	939.9	947.4	944.9	937.4	917.3	889.6
25°	962.5	965.0	970.1	952.5	927.3	950.0	947.4	960.0	955.0	939.9	917.3
27.5°	960.0	965.0	967.6	950.0	939.9	960.0	970.1	982.6	985.1	970.1	942.4
30°	997.7	995.2	992.7	970.1	962.5	980.1	990.2	1007.8	1022.8	990.2	967.6
32.5°	1095.7	1080.6	1065.6	1005.3	982.6	995.2	1005.3	1030.4	1032.9	1015.3	982.6
35°	1251.5	1241.5	1191.2	1085.7	1022.8	1010.3	1020.3	1037.9	1042.9	1030.4	1005.3
37.5°	1430.0	1424.9	1354.6	1226.4	1105.8	1045.5	1035.4	1060.5	1080.6	1053.0	1017.8
40°	1605.9	1585.8	1535.5	1409.9	1211.3	1098.2	1085.7	1098.2	1105.8	1085.7	1063.1
42.5°	1764.2	1741.6	1729.0	1603.4	1349.6	1186.2	1176.1	1146.0	1168.6	1143.5	1113.3
45°	1897.4	1892.4	1887.4	1779.3	1507.9	1329.4	1321.9	1244.0	1269.1	1249.0	1206.3
47.5°	1992.9	2015.5	2008.0	1947.7	1688.8	1482.7	1460.1	1359.6	1397.3	1377.2	1334.5
50°	2106.0	2118.6	2111.0	2070.8	1857.2	1658.7	1615.9	1512.9	1555.6	1553.1	1530.5
52.5°	2206.5	2244.2	2201.5	2199.0	2098.5	1849.7	1776.8	1678.8	1749.1	1776.8	1774.3
55°	2324.6	2354.8	2342.2	2337.2	2314.6	2035.6	1970.3	1852.2	1970.3	2010.5	2045.7
57.5°	2425.2	2422.7	2470.4	2528.2	2555.9	2249.3	2171.3	2033.1	2211.6	2256.8	2354.8
60°	2470.4	2513.1	2593.5	2739.3	2817.2	2477.9	2397.5	2286.9	2455.3	2490.5	2671.5
62.5°	2500.6	2538.3	2694.1	2940.4	2985.6	2711.7	2636.3	2525.7	2721.7	2746.8	3015.8
65°	2417.6	2452.8	2761.9	3015.8	3176.6	2963.0	2945.4	2829.8	2988.1	3003.2	3377.6
67.5°	2322.1	2359.8	2704.1	3111.3	3430.4	3297.2	3269.6	3131.4	3252.0	3234.4	3654.1
70°	2153.8	2204.0	2555.9	3194.2	3711.9	3764.7	3709.4	3513.4	3525.9	3360.1	3666.7
72.5°	1641.1	1673.7	2000.5	2865.0	3842.6	4413.1	4317.6	3925.5	3782.3	3385.2	3236.9
75°	779.1	839.4	1115.8	1894.9	3367.6	4443.2	4506.0	4129.1	3646.5	3003.2	2294.5
77.5°	226.2	226.2	339.3	804.2	2111.0	3581.2	3699.3	3505.8	3008.2	2224.1	1206.3
80°	123.1	130.7	178.4	284.0	927.3	2259.3	2430.2	2324.6	1771.8	879.6	311.6
82.5°	70.4	72.9	118.1	170.9	422.2	1228.9	1329.4	1206.3	673.5	266.4	145.8
85°	40.2	42.7	67.9	113.1	251.3	452.4	492.6	427.2	271.4	178.4	72.9
87.5°	20.1	20.1	32.7	52.8	128.2	128.2	125.7	153.3	163.4	108.1	32.7
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°	731.3	731.3	731.3	731.3	731.3	731.3	731.3	731.3	731.3	731.3	731.3
2.5°	731.3	728.8	728.8	718.8	716.2	708.7	708.7	703.7	701.2	708.7	708.7
5°	733.8	721.3	718.8	708.7	711.2	706.2	716.2	711.2	708.7	708.7	706.2
7.5°	738.9	726.3	716.2	708.7	706.2	713.7	726.3	726.3	741.4	733.8	733.8
10°	751.4	743.9	731.3	726.3	726.3	733.8	748.9	759.0	771.5	771.5	764.0
12.5°	781.6	769.0	753.9	746.4	756.5	764.0	779.1	789.1	804.2	809.2	804.2
15°	804.2	791.6	786.6	781.6	789.1	799.2	811.7	821.8	839.4	844.4	841.9
17.5°	834.4	819.3	816.8	819.3	824.3	831.8	839.4	846.9	859.5	859.5	859.5
20°	849.4	844.4	841.9	849.4	859.5	869.5	864.5	859.5	857.0	862.0	859.5
22.5°	877.1	872.1	874.6	882.1	882.1	877.1	869.5	852.0	846.9	852.0	846.9
25°	902.2	897.2	897.2	892.2	889.6	872.1	857.0	841.9	824.3	831.8	829.3
27.5°	927.3	924.8	924.8	904.7	879.6	849.4	829.3	811.7	801.7	814.3	806.7
30°	957.5	960.0	947.4	899.7	839.4	806.7	784.1	781.6	779.1	786.6	784.1
32.5°	985.1	987.7	967.6	892.2	809.2	746.4	723.8	726.3	738.9	751.4	764.0
35°	1000.2	1012.8	987.7	867.0	748.9	678.5	653.4	676.0	698.6	716.2	728.8
37.5°	1027.9	1060.5	1017.8	839.4	696.1	618.2	600.6	608.2	635.8	663.5	676.0
40°	1068.1	1105.8	1025.4	786.6	625.8	557.9	547.9	550.4	560.4	578.0	590.6
42.5°	1138.4	1178.7	1032.9	718.8	555.4	520.2	492.6	485.0	477.5	477.5	475.0
45°	1241.5	1279.2	1022.8	633.3	485.0	459.9	439.8	422.2	402.1	369.4	374.5
47.5°	1392.3	1422.4	1030.4	557.9	419.7	399.6	384.5	364.4	334.2	299.1	296.5
50°	1621.0	1575.7	1020.3	480.0	371.9	354.4	341.8	314.1	279.0	253.8	251.3
52.5°	1887.4	1796.9	1010.3	414.7	331.7	316.7	306.6	276.4	243.8	231.2	228.7
55°	2209.0	2078.4	1025.4	356.9	301.6	289.0	279.0	251.3	226.2	216.1	213.6
57.5°	2588.5	2382.4	1108.3	311.6	268.9	263.9	261.4	238.7	216.1	208.6	206.1
60°	2945.4	2674.0	1163.6	279.0	238.7	243.8	248.8	238.7	213.6	208.6	208.6
62.5°	3244.4	2915.2	1075.6	251.3	223.7	238.7	261.4	253.8	243.8	248.8	243.8
65°	3508.3	2998.2	804.2	236.2	216.1	251.3	289.0	286.5	263.9	268.9	266.4
67.5°	3553.6	2897.6	525.2	223.7	211.1	276.4	324.2	294.0	248.8	248.8	241.3
70°	3365.1	2628.7	351.8	211.1	208.6	276.4	331.7	276.4	233.7	233.7	223.7
72.5°	2761.9	2101.0	271.4	198.5	191.0	246.3	314.1	261.4	218.6	213.6	196.0
75°	1814.5	1354.6	221.2	188.5	165.9	216.1	284.0	241.3	208.6	193.5	186.0
77.5°	889.6	608.2	186.0	165.9	143.2	188.5	258.9	228.7	196.0	180.9	175.9
80°	243.8	218.6	155.8	145.8	120.6	163.4	243.8	218.6	183.5	168.4	160.8
82.5°	138.2	135.7	125.7	118.1	100.5	163.4	246.3	218.6	173.4	170.9	145.8
85°	75.4	80.4	90.5	88.0	77.9	145.8	233.7	191.0	140.7	118.1	118.1
87.5°	30.2	37.7	45.2	50.3	52.8	108.1	175.9	145.8	108.1	90.5	90.5
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)