

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: P670809

Luminaire Tested: **CCP-SA-2A-735-U-T3**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P670809
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-735-U-T3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T3
distribution lens
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5452.7 lumens
Efficiency: N/A
Efficacy: 150.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

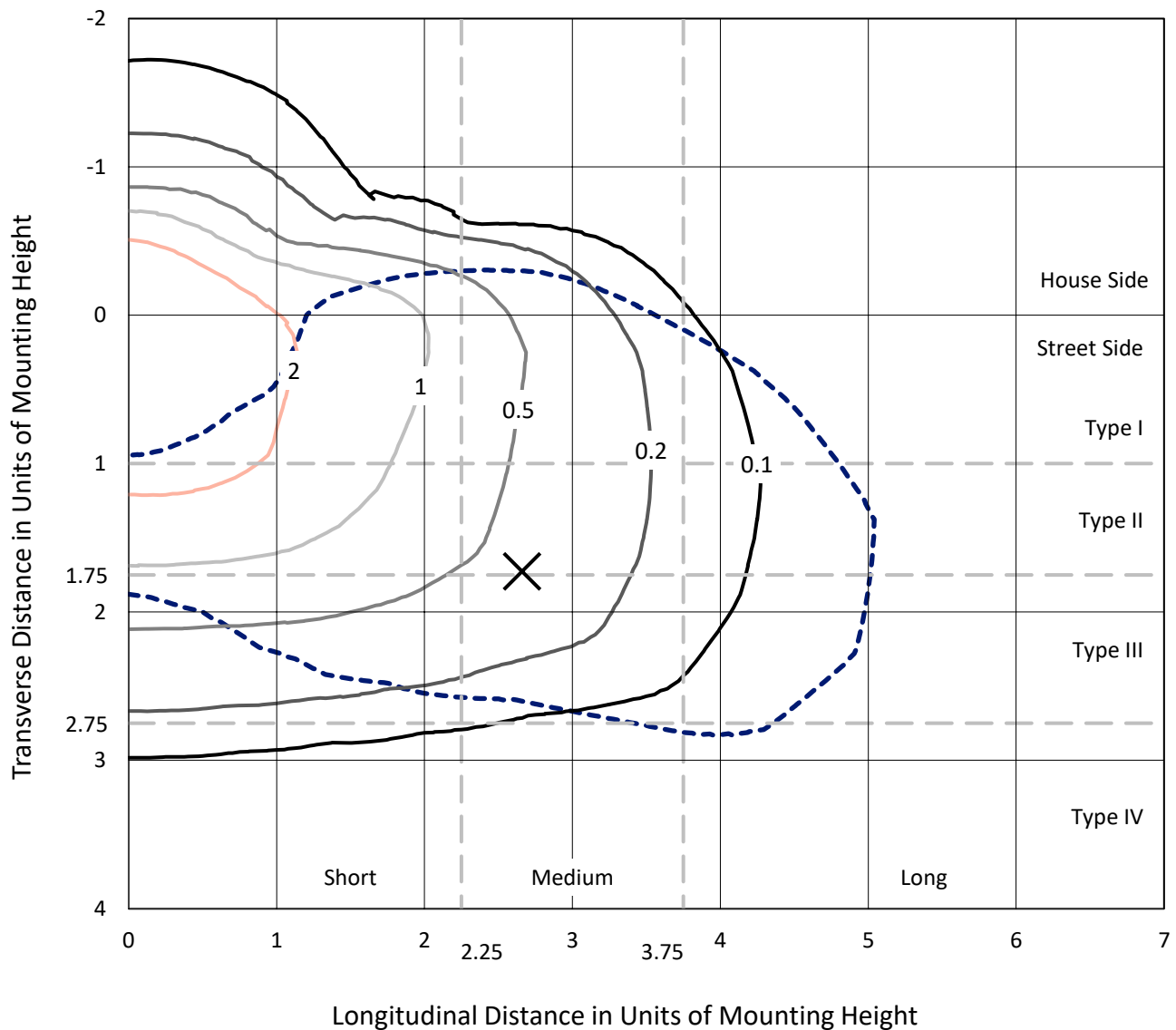
Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

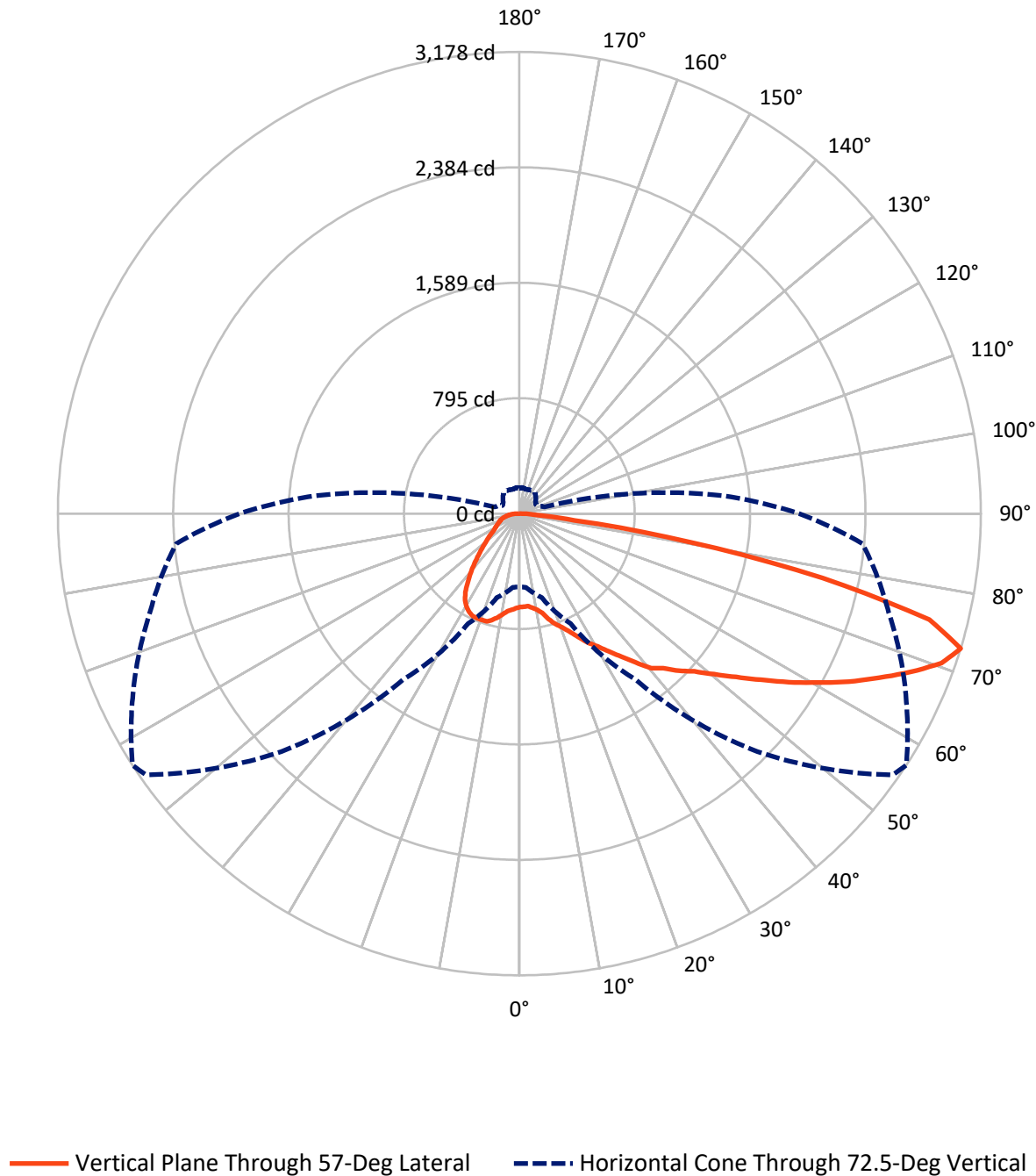
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1273.4	0.0	1273.4
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	4179.3	0.0	4179.3
	% Fixture	76.6	0.0	76.6
Total	Lumens	5452.7	0.0	5452.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.9	1.2
10°-20°	215.3	3.9
20°-30°	393.6	7.2
30°-40°	577.4	10.6
40°-50°	795.0	14.6
50°-60°	1090.3	20.0
60°-70°	1314.2	24.1
70°-80°	875.5	16.1
80°-90°	127.5	2.3
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°	5452.7	100.0
0°-180°	5452.7	100.0

Coefficient of Utilization



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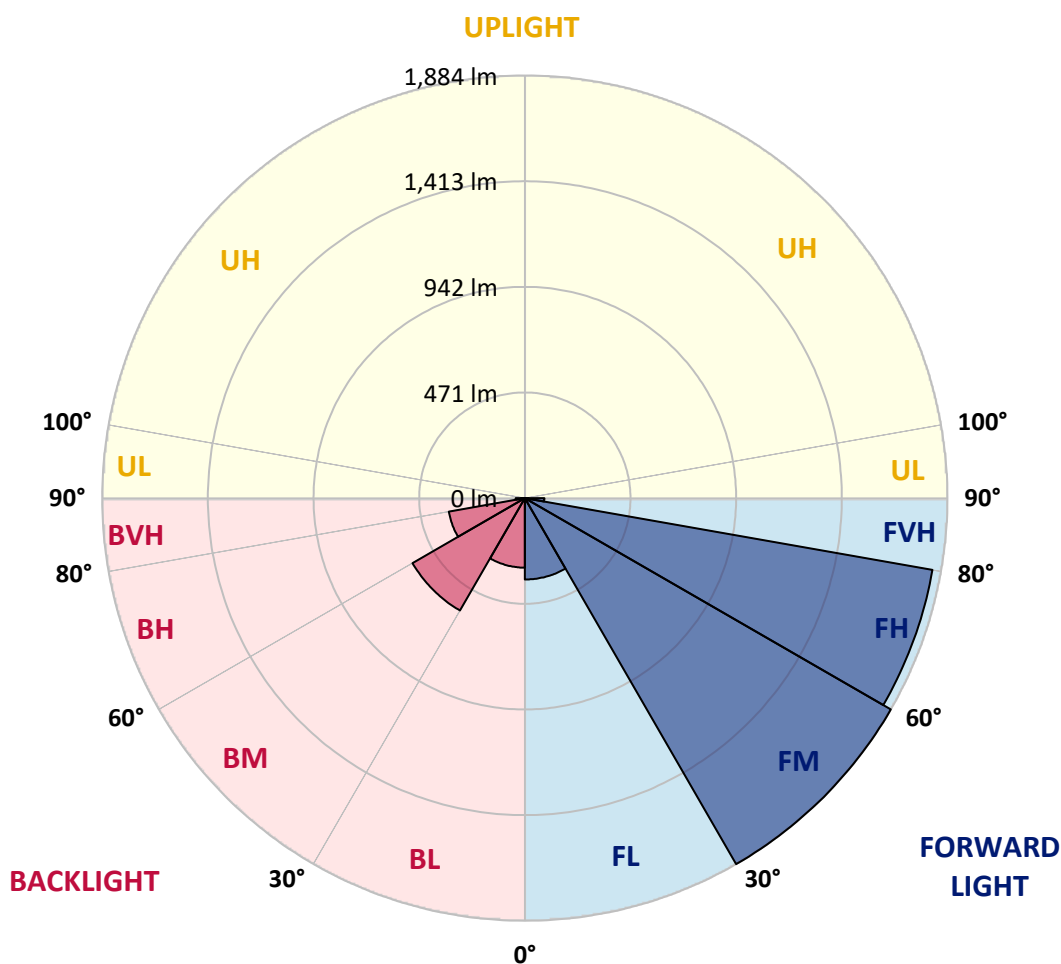
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	362.7	6.7			
FM	(30°-60°)	1884.3	34.6			
FH	(60°-80°)	1845.4	33.8			G2/5000
FVH	(80°-90°)	86.8	1.6			G1/100
BL	(0°-30°)	310.0	5.7	B1/500		
BM	(30°-60°)	578.4	10.6	B1/1000		
BH	(60°-80°)	344.3	6.3	B1/500		G1/500
BVH	(80°-90°)	40.7	0.7			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	643.6	643.6	643.6	643.6	643.6	643.6	643.6	643.6	643.6	643.6	643.6
2.5°	631.7	633.7	637.6	635.6	635.6	629.7	639.6	641.6	637.6	639.6	643.6
5°	631.7	635.6	641.6	637.6	639.6	637.6	633.7	639.6	639.6	641.6	647.6
7.5°	665.4	663.5	663.5	657.5	655.5	653.5	655.5	655.5	651.5	653.5	653.5
10°	703.2	703.2	699.2	699.2	695.2	685.3	675.4	673.4	667.4	669.4	669.4
12.5°	742.9	746.9	750.9	738.9	735.0	719.1	713.1	701.2	701.2	697.2	695.2
15°	792.6	786.6	790.6	786.6	776.7	760.8	750.9	752.8	738.9	735.0	729.0
17.5°	836.3	838.3	832.3	828.3	810.5	798.5	800.5	798.5	780.7	774.7	764.8
20°	887.9	885.9	885.9	874.0	858.1	842.2	836.3	834.3	838.3	826.3	802.5
22.5°	941.6	933.6	933.6	923.7	901.8	891.9	887.9	880.0	883.9	874.0	838.3
25°	985.3	985.3	999.2	979.3	967.4	947.5	939.6	941.6	943.5	923.7	882.0
27.5°	1042.9	1032.9	1046.8	1036.9	1030.9	1009.1	999.2	1005.1	1001.1	979.3	921.7
30°	1116.4	1118.3	1110.4	1096.5	1088.5	1072.7	1066.7	1060.7	1066.7	1038.9	965.4
32.5°	1207.7	1213.7	1193.8	1177.9	1164.0	1148.1	1136.2	1130.3	1136.2	1094.5	999.2
35°	1313.0	1319.0	1303.1	1285.2	1269.3	1229.6	1219.6	1209.7	1187.9	1120.3	1030.9
37.5°	1410.3	1402.4	1398.4	1398.4	1368.6	1311.0	1305.1	1299.1	1257.4	1172.0	1074.6
40°	1475.9	1485.8	1481.9	1477.9	1473.9	1420.3	1408.4	1398.4	1328.9	1249.4	1136.2
42.5°	1549.4	1543.4	1559.3	1565.3	1551.4	1535.5	1487.8	1454.0	1392.5	1328.9	1227.6
45°	1636.8	1632.8	1638.8	1660.6	1640.8	1646.7	1567.3	1543.4	1466.0	1428.2	1342.8
47.5°	1714.3	1724.2	1754.0	1760.0	1744.1	1771.9	1660.6	1622.9	1573.2	1543.4	1462.0
50°	1748.0	1760.0	1827.5	1869.2	1871.2	1914.9	1754.0	1738.1	1670.6	1682.5	1611.0
52.5°	1720.2	1758.0	1839.4	1948.7	2016.2	2059.9	1877.1	1869.2	1807.6	1845.4	1773.9
55°	1746.0	1781.8	1835.4	1988.4	2159.2	2169.1	2048.0	2018.2	1956.6	2008.3	1942.7
57.5°	1758.0	1738.1	1839.4	2032.1	2264.5	2290.3	2210.9	2189.0	2141.3	2191.0	2153.3
60°	1664.6	1688.4	1783.8	2020.2	2270.5	2419.4	2393.6	2361.8	2318.1	2363.8	2342.0
62.5°	1559.3	1575.2	1678.5	1948.7	2304.2	2512.8	2570.4	2546.6	2485.0	2524.7	2562.5
65°	1426.2	1428.2	1543.4	1821.5	2238.7	2566.4	2725.3	2723.4	2679.7	2669.7	2729.3
67.5°	1263.4	1279.2	1370.6	1686.5	2149.3	2626.0	2878.3	2908.1	2820.7	2743.2	2765.1
70°	969.4	985.3	1072.7	1382.5	1966.5	2608.1	3067.0	3082.9	2912.1	2715.4	2659.8
72.5°	504.5	508.5	597.9	834.3	1394.5	2316.1	3136.5	3178.2	2935.9	2634.0	2371.8
75°	166.9	166.9	204.6	317.8	657.5	1481.9	2840.6	2916.0	2818.7	2431.4	1940.7
77.5°	99.3	101.3	121.2	158.9	262.2	591.9	2002.3	2135.4	2306.2	2067.8	1418.3
80°	71.5	73.5	91.4	109.3	156.9	190.7	1005.1	1189.9	1416.3	1330.9	756.8
82.5°	53.6	53.6	71.5	81.4	107.3	113.2	280.1	383.4	611.8	476.7	208.6
85°	55.6	55.6	55.6	57.6	73.5	65.6	117.2	125.1	178.8	156.9	57.6
87.5°	19.9	21.9	55.6	37.7	37.7	27.8	45.7	49.7	63.6	65.6	21.9
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°	643.6	643.6	643.6	643.6	643.6	643.6	643.6	643.6	643.6	643.6	643.6
2.5°	645.6	645.6	647.6	647.6	651.5	655.5	661.5	657.5	657.5	659.5	657.5
5°	643.6	645.6	651.5	661.5	665.4	667.4	679.3	679.3	679.3	683.3	683.3
7.5°	651.5	655.5	665.4	675.4	677.4	683.3	699.2	703.2	713.1	717.1	719.1
10°	671.4	677.4	685.3	697.2	705.2	713.1	725.0	738.9	737.0	748.9	750.9
12.5°	701.2	699.2	713.1	725.0	733.0	744.9	748.9	748.9	748.9	748.9	752.8
15°	725.0	729.0	740.9	748.9	758.8	756.8	748.9	740.9	742.9	740.9	740.9
17.5°	760.8	760.8	770.7	772.7	776.7	756.8	744.9	744.9	750.9	750.9	746.9
20°	796.5	794.6	798.5	796.5	770.7	746.9	744.9	746.9	748.9	746.9	744.9
22.5°	830.3	826.3	820.4	812.4	766.8	744.9	740.9	731.0	721.1	721.1	715.1
25°	860.1	856.1	840.2	816.4	764.8	733.0	713.1	689.3	677.4	671.4	679.3
27.5°	887.9	880.0	858.1	816.4	746.9	701.2	663.5	633.7	623.7	615.8	623.7
30°	925.7	911.8	882.0	810.5	719.1	651.5	599.9	564.1	554.2	542.3	546.3
32.5°	959.4	927.6	901.8	792.6	683.3	595.9	536.3	500.6	482.7	472.8	480.7
35°	995.2	963.4	909.8	764.8	627.7	528.4	468.8	435.0	421.1	407.2	407.2
37.5°	1030.9	1013.1	921.7	713.1	560.2	464.8	411.2	385.4	361.5	335.7	335.7
40°	1106.4	1082.6	935.6	653.5	492.6	403.2	365.5	331.7	307.9	272.1	270.2
42.5°	1185.9	1134.2	935.6	582.0	433.0	359.5	323.8	288.0	244.3	222.5	224.5
45°	1287.2	1227.6	909.8	518.5	373.4	323.8	284.1	238.4	218.5	204.6	204.6
47.5°	1414.3	1321.0	878.0	448.9	325.8	292.0	242.3	214.5	200.6	188.7	186.7
50°	1565.3	1406.4	838.3	389.3	286.0	262.2	220.5	198.6	186.7	178.8	178.8
52.5°	1724.2	1531.5	810.5	335.7	254.3	222.5	204.6	190.7	180.8	174.8	172.8
55°	1885.1	1656.7	790.6	278.1	224.5	204.6	200.6	188.7	184.7	178.8	174.8
57.5°	2065.9	1760.0	786.6	238.4	200.6	196.7	204.6	194.7	188.7	182.7	176.8
60°	2260.5	1899.0	750.9	206.6	188.7	192.7	198.6	188.7	184.7	178.8	174.8
62.5°	2453.2	2002.3	653.5	182.7	176.8	180.8	188.7	180.8	174.8	176.8	178.8
65°	2532.7	2010.2	506.5	164.9	162.9	164.9	176.8	174.8	168.8	180.8	180.8
67.5°	2453.2	1938.7	357.6	149.0	149.0	158.9	178.8	182.7	176.8	192.7	190.7
70°	2272.4	1761.9	242.3	139.0	143.0	168.8	184.7	180.8	172.8	192.7	188.7
72.5°	1928.8	1410.3	176.8	129.1	135.1	160.9	182.7	178.8	172.8	180.8	172.8
75°	1448.1	1003.1	139.0	117.2	119.2	145.0	188.7	178.8	162.9	158.9	153.0
77.5°	967.4	619.8	107.3	103.3	103.3	127.1	180.8	166.9	147.0	141.0	139.0
80°	460.8	248.3	85.4	87.4	89.4	109.3	164.9	149.0	133.1	125.1	125.1
82.5°	147.0	93.4	71.5	71.5	71.5	89.4	137.1	125.1	115.2	109.3	99.3
85°	51.6	51.6	61.6	63.6	57.6	65.6	113.2	107.3	95.3	79.5	77.5
87.5°	19.9	29.8	41.7	49.7	35.8	45.7	81.4	75.5	69.5	51.6	49.7
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)