

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: P671144

Luminaire Tested: **CCP-SA-2D-827-U-T4W**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671144
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-827-U-T4W
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T4W
distribution lens
Light Source: (32) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8270.8 lumens
Efficiency: N/A
Efficacy: 102.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 80.8
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

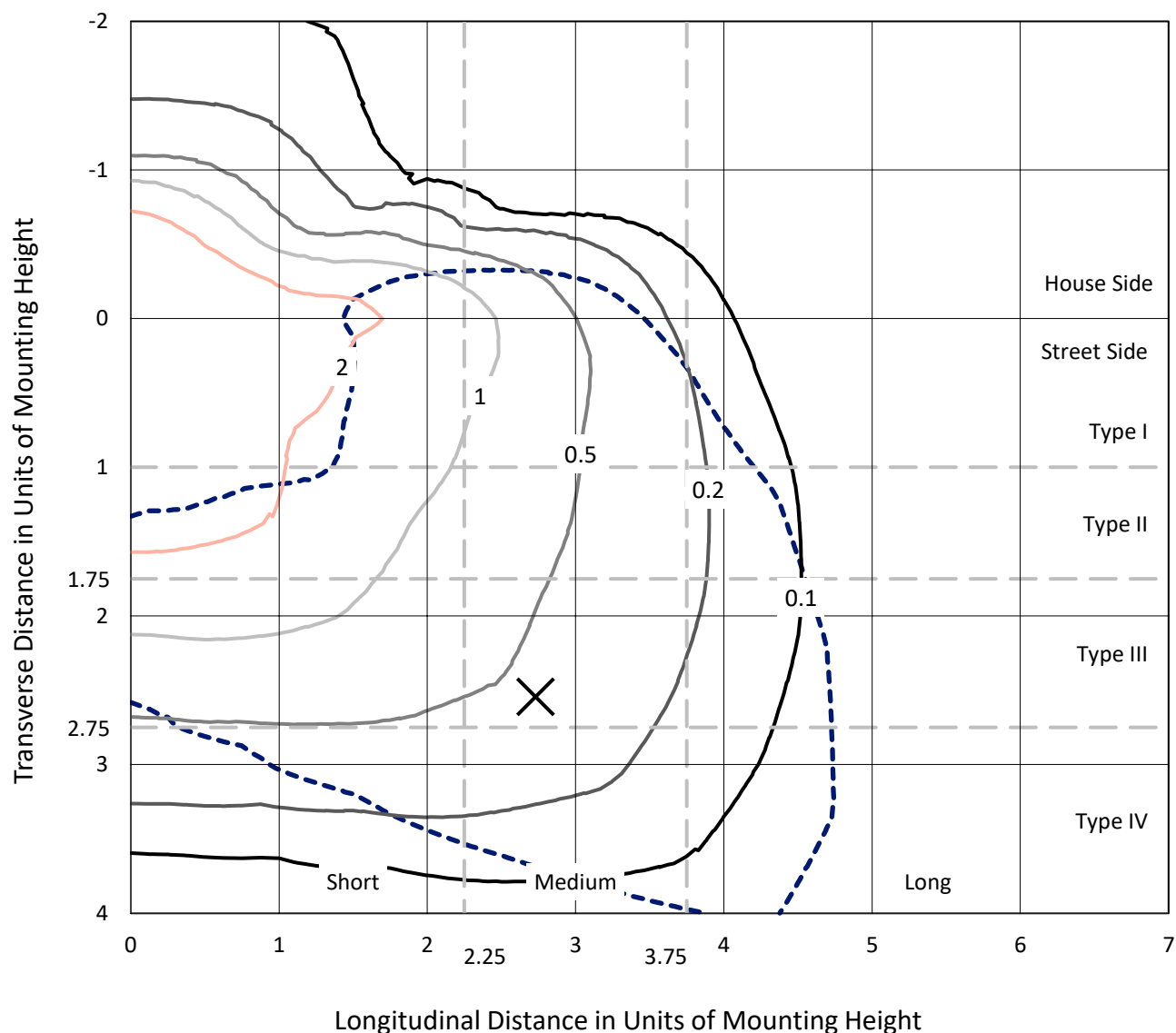
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

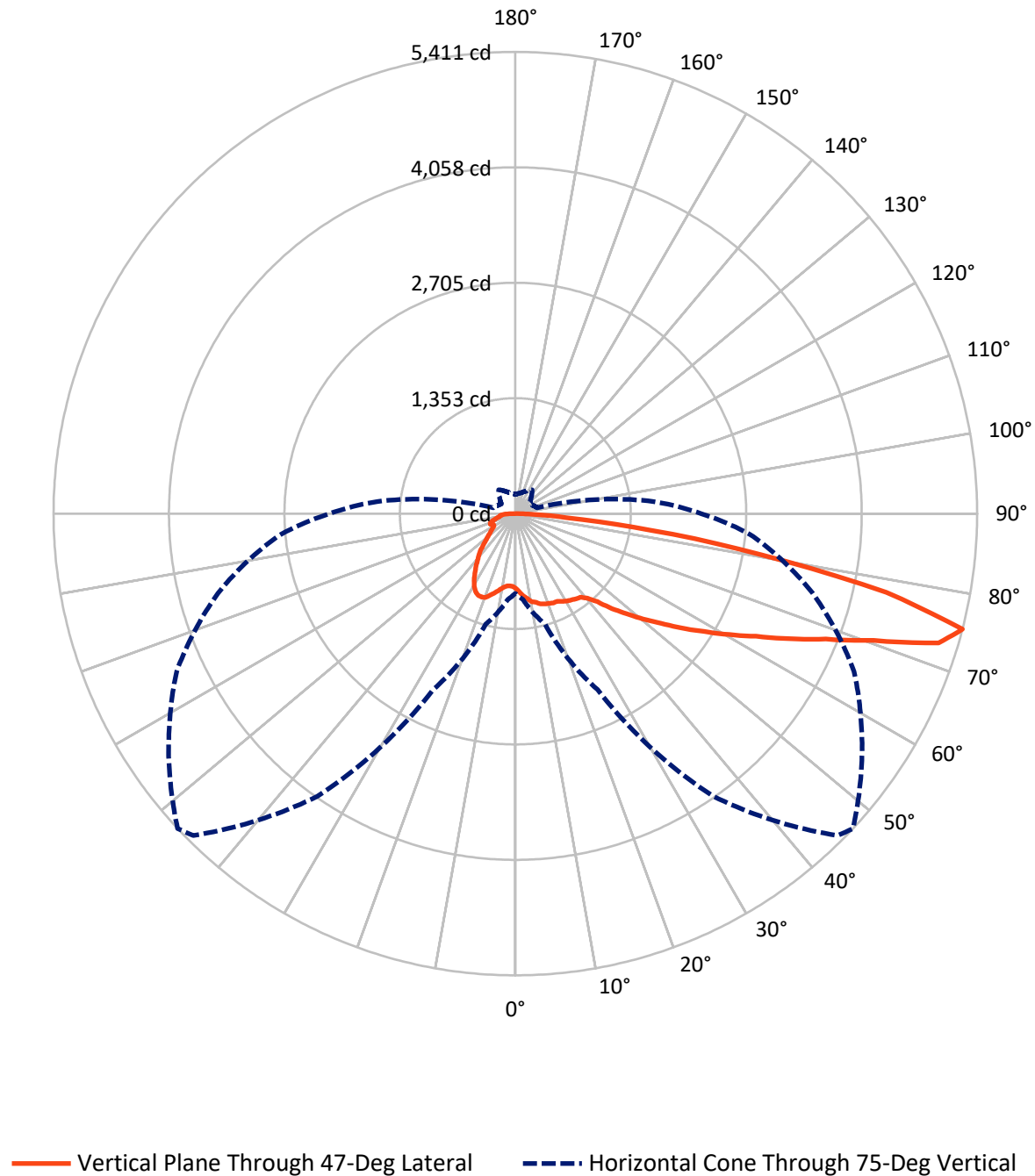
--- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5 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	1977.9	0.0	1977.9
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	6292.8	0.0	6292.8
	% Fixture	76.1	0.0	76.1
Total	Lumens	8270.8	0.0	8270.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.8	1.1
10°-20°	294.8	3.6
20°-30°	505.0	6.1
30°-40°	706.5	8.5
40°-50°	985.1	11.9
50°-60°	1472.5	17.8
60°-70°	2123.0	25.7
70°-80°	1807.1	21.8
80°-90°	287.9	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°	8270.8	100.0
0°-180°	8270.8	100.0

Coefficient of Utilization



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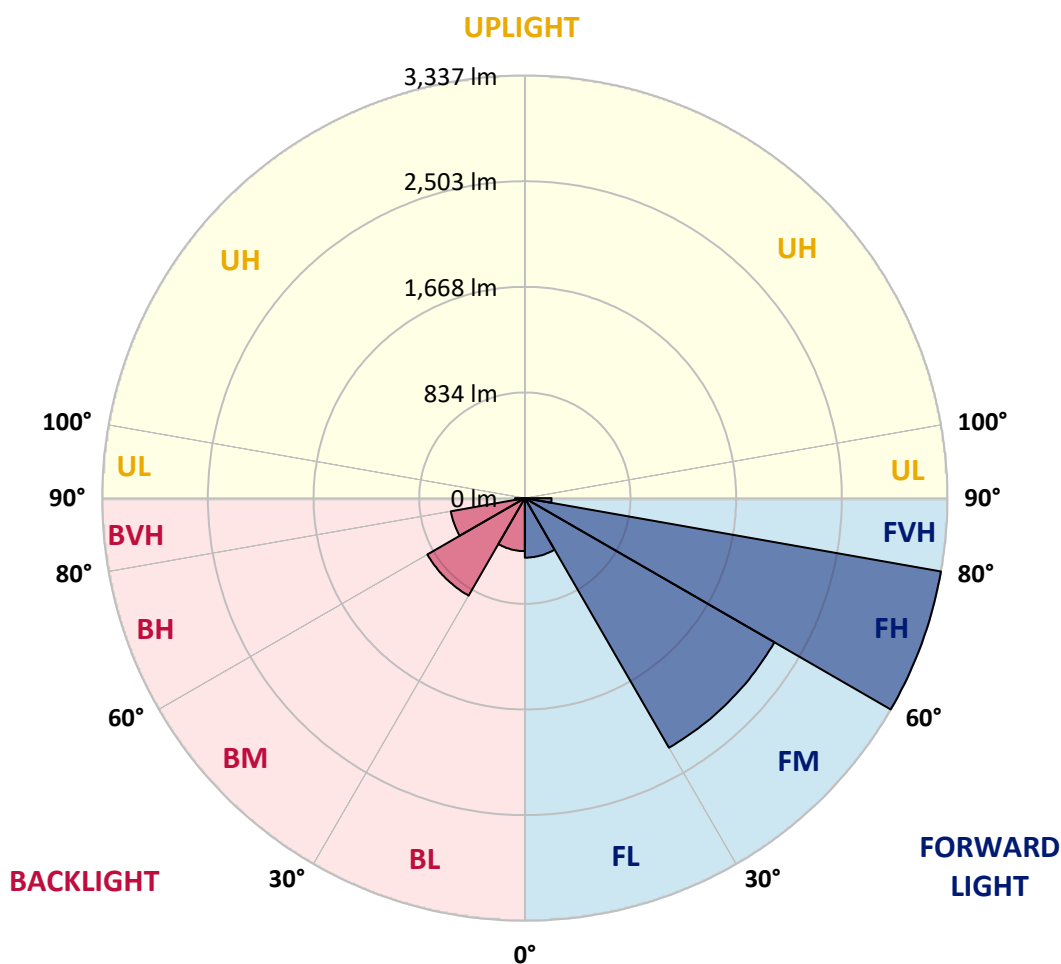
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	469.9	5.7			
FM	(30°-60°)	2275.2	27.5			
FH	(60°-80°)	3336.8	40.3			G2/5000
FVH	(80°-90°)	210.9	2.6			G2/225
BL	(0°-30°)	418.6	5.1	B1/500		
BM	(30°-60°)	889.0	10.7	B1/1000		
BH	(60°-80°)	593.4	7.2	B2/1000		G2/1000
BVH	(80°-90°)	76.9	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	878.2	878.2	878.2	878.2	878.2	878.2	878.2	878.2	878.2	878.2	878.2
2.5°	941.6	944.6	944.6	938.5	932.5	920.4	920.4	908.4	902.3	887.2	881.2
5°	1029.1	1020.0	1011.0	1007.9	992.9	971.7	968.7	956.6	923.4	908.4	887.2
7.5°	1092.4	1089.4	1086.4	1074.3	1047.2	1014.0	1004.9	986.8	953.6	923.4	899.3
10°	1143.7	1155.8	1143.7	1116.6	1089.4	1053.2	1050.2	1017.0	986.8	950.6	920.4
12.5°	1201.1	1204.1	1183.0	1149.8	1107.5	1077.4	1065.3	1053.2	1020.0	989.8	944.6
15°	1240.3	1234.3	1219.2	1173.9	1125.6	1095.5	1098.5	1083.4	1047.2	1026.1	977.8
17.5°	1240.3	1240.3	1216.2	1183.0	1140.7	1113.6	1113.6	1104.5	1080.4	1050.2	1017.0
20°	1216.2	1216.2	1201.1	1183.0	1134.7	1128.7	1122.6	1116.6	1116.6	1089.4	1041.1
22.5°	1186.0	1180.0	1186.0	1155.8	1122.6	1128.7	1137.7	1134.7	1125.6	1101.5	1068.3
25°	1155.8	1158.8	1164.9	1143.7	1113.6	1140.7	1137.7	1152.8	1146.8	1128.7	1101.5
27.5°	1152.8	1158.8	1161.9	1140.7	1128.7	1152.8	1164.9	1180.0	1183.0	1164.9	1131.7
30°	1198.1	1195.0	1192.0	1164.9	1155.8	1176.9	1189.0	1210.1	1228.2	1189.0	1161.9
32.5°	1315.8	1297.7	1279.5	1207.1	1180.0	1195.0	1207.1	1237.3	1240.3	1219.2	1180.0
35°	1502.9	1490.8	1430.4	1303.7	1228.2	1213.2	1225.2	1246.4	1252.4	1237.3	1207.1
37.5°	1717.1	1711.1	1626.6	1472.7	1327.8	1255.4	1243.3	1273.5	1297.7	1264.5	1222.2
40°	1928.4	1904.2	1843.9	1693.0	1454.6	1318.8	1303.7	1318.8	1327.8	1303.7	1276.5
42.5°	2118.5	2091.3	2076.2	1925.4	1620.6	1424.4	1412.3	1376.1	1403.3	1373.1	1336.9
45°	2278.4	2272.4	2266.4	2136.6	1810.7	1596.4	1587.4	1493.8	1524.0	1499.8	1448.5
47.5°	2393.1	2420.3	2411.2	2338.8	2028.0	1780.5	1753.3	1632.6	1677.9	1653.8	1602.5
50°	2528.9	2544.0	2534.9	2486.7	2230.2	1991.7	1940.4	1816.7	1868.0	1865.0	1837.8
52.5°	2649.6	2694.9	2643.6	2640.6	2519.9	2221.1	2133.6	2015.9	2100.4	2133.6	2130.6
55°	2791.5	2827.7	2812.6	2806.6	2779.4	2444.4	2366.0	2224.1	2366.0	2414.2	2456.5
57.5°	2912.2	2909.2	2966.5	3035.9	3069.1	2700.9	2607.4	2441.4	2655.7	2710.0	2827.7
60°	2966.5	3017.8	3114.4	3289.4	3383.0	2975.5	2879.0	2746.2	2948.4	2990.6	3207.9
62.5°	3002.7	3048.0	3235.1	3530.8	3585.1	3256.2	3165.7	3032.9	3268.3	3298.5	3621.4
65°	2903.1	2945.4	3316.6	3621.4	3814.5	3558.0	3536.9	3398.0	3588.2	3606.3	4055.9
67.5°	2788.4	2833.7	3247.1	3736.0	4119.3	3959.3	3926.2	3760.2	3905.0	3883.9	4387.9
70°	2586.3	2646.6	3069.1	3835.6	4457.3	4520.7	4454.3	4218.9	4234.0	4034.8	4403.0
72.5°	1970.6	2009.9	2402.2	3440.3	4614.2	5299.3	5184.6	4713.8	4541.8	4065.0	3886.9
75°	935.5	1007.9	1339.9	2275.4	4043.8	5335.5	5410.9	4958.2	4378.8	3606.3	2755.2
77.5°	271.6	271.6	407.4	965.7	2534.9	4300.4	4442.2	4209.8	3612.3	2670.8	1448.5
80°	147.9	156.9	214.3	341.0	1113.6	2713.0	2918.2	2791.5	2127.5	1056.2	374.2
82.5°	84.5	87.5	141.8	205.2	507.0	1475.7	1596.4	1448.5	808.8	319.9	175.0
85°	48.3	51.3	81.5	135.8	301.8	543.2	591.5	513.0	325.9	214.3	87.5
87.5°	24.1	24.1	39.2	63.4	153.9	153.9	150.9	184.1	196.2	129.8	39.2
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°	878.2	878.2	878.2	878.2	878.2	878.2	878.2	878.2	878.2	878.2	878.2
2.5°	878.2	875.2	875.2	863.1	860.1	851.0	851.0	845.0	842.0	851.0	851.0
5°	881.2	866.1	863.1	851.0	854.0	848.0	860.1	854.0	851.0	851.0	848.0
7.5°	887.2	872.1	860.1	851.0	848.0	857.1	872.1	872.1	890.3	881.2	881.2
10°	902.3	893.3	878.2	872.1	872.1	881.2	899.3	911.4	926.5	926.5	917.4
12.5°	938.5	923.4	905.3	896.3	908.4	917.4	935.5	947.6	965.7	971.7	965.7
15°	965.7	950.6	944.6	938.5	947.6	959.7	974.7	986.8	1007.9	1014.0	1011.0
17.5°	1001.9	983.8	980.8	983.8	989.8	998.9	1007.9	1017.0	1032.1	1032.1	1032.1
20°	1020.0	1014.0	1011.0	1020.0	1032.1	1044.2	1038.1	1032.1	1029.1	1035.1	1032.1
22.5°	1053.2	1047.2	1050.2	1059.2	1059.2	1053.2	1044.2	1023.0	1017.0	1023.0	1017.0
25°	1083.4	1077.4	1077.4	1071.3	1068.3	1047.2	1029.1	1011.0	989.8	998.9	995.9
27.5°	1113.6	1110.5	1110.5	1086.4	1056.2	1020.0	995.9	974.7	962.7	977.8	968.7
30°	1149.8	1152.8	1137.7	1080.4	1007.9	968.7	941.6	938.5	935.5	944.6	941.6
32.5°	1183.0	1186.0	1161.9	1071.3	971.7	896.3	869.1	872.1	887.2	902.3	917.4
35°	1201.1	1216.2	1186.0	1041.1	899.3	814.8	784.6	811.8	838.9	860.1	875.2
37.5°	1234.3	1273.5	1222.2	1007.9	835.9	742.4	721.3	730.3	763.5	796.7	811.8
40°	1282.6	1327.8	1231.3	944.6	751.4	670.0	657.9	660.9	673.0	694.1	709.2
42.5°	1367.1	1415.3	1240.3	863.1	666.9	624.7	591.5	582.4	573.4	573.4	570.4
45°	1490.8	1536.1	1228.2	760.5	582.4	552.3	528.1	507.0	482.8	443.6	449.7
47.5°	1671.9	1708.1	1237.3	670.0	504.0	479.8	461.7	437.6	401.4	359.1	356.1
50°	1946.5	1892.2	1225.2	576.4	446.6	425.5	410.4	377.2	335.0	304.8	301.8
52.5°	2266.4	2157.7	1213.2	497.9	398.3	380.2	368.2	332.0	292.7	277.6	274.6
55°	2652.6	2495.7	1231.3	428.5	362.1	347.0	335.0	301.8	271.6	259.5	256.5
57.5°	3108.3	2860.9	1330.8	374.2	322.9	316.9	313.9	286.7	259.5	250.5	247.5
60°	3536.9	3210.9	1397.2	335.0	286.7	292.7	298.8	286.7	256.5	250.5	250.5
62.5°	3896.0	3500.6	1291.6	301.8	268.6	286.7	313.9	304.8	292.7	298.8	292.7
65°	4212.8	3600.2	965.7	283.7	259.5	301.8	347.0	344.0	316.9	322.9	319.9
67.5°	4267.2	3479.5	630.7	268.6	253.5	332.0	389.3	353.1	298.8	298.8	289.7
70°	4040.8	3156.6	422.5	253.5	250.5	332.0	398.3	332.0	280.7	280.7	268.6
72.5°	3316.6	2522.9	325.9	238.4	229.4	295.7	377.2	313.9	262.5	256.5	235.4
75°	2178.8	1626.6	265.6	226.3	199.2	259.5	341.0	289.7	250.5	232.4	223.3
77.5°	1068.3	730.3	223.3	199.2	172.0	226.3	310.8	274.6	235.4	217.3	211.2
80°	292.7	262.5	187.1	175.0	144.9	196.2	292.7	262.5	220.3	202.2	193.1
82.5°	166.0	163.0	150.9	141.8	120.7	196.2	295.7	262.5	208.2	205.2	175.0
85°	90.5	96.6	108.6	105.6	93.6	175.0	280.7	229.4	169.0	141.8	141.8
87.5°	36.2	45.3	54.3	60.4	63.4	129.8	211.2	175.0	129.8	108.6	108.6
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)