

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: P670755

Luminaire Tested: **CCP-SA-2C-850-U-T2**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P670755
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-850-U-T2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T2
distribution lens
Light Source: (32) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7869.9 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

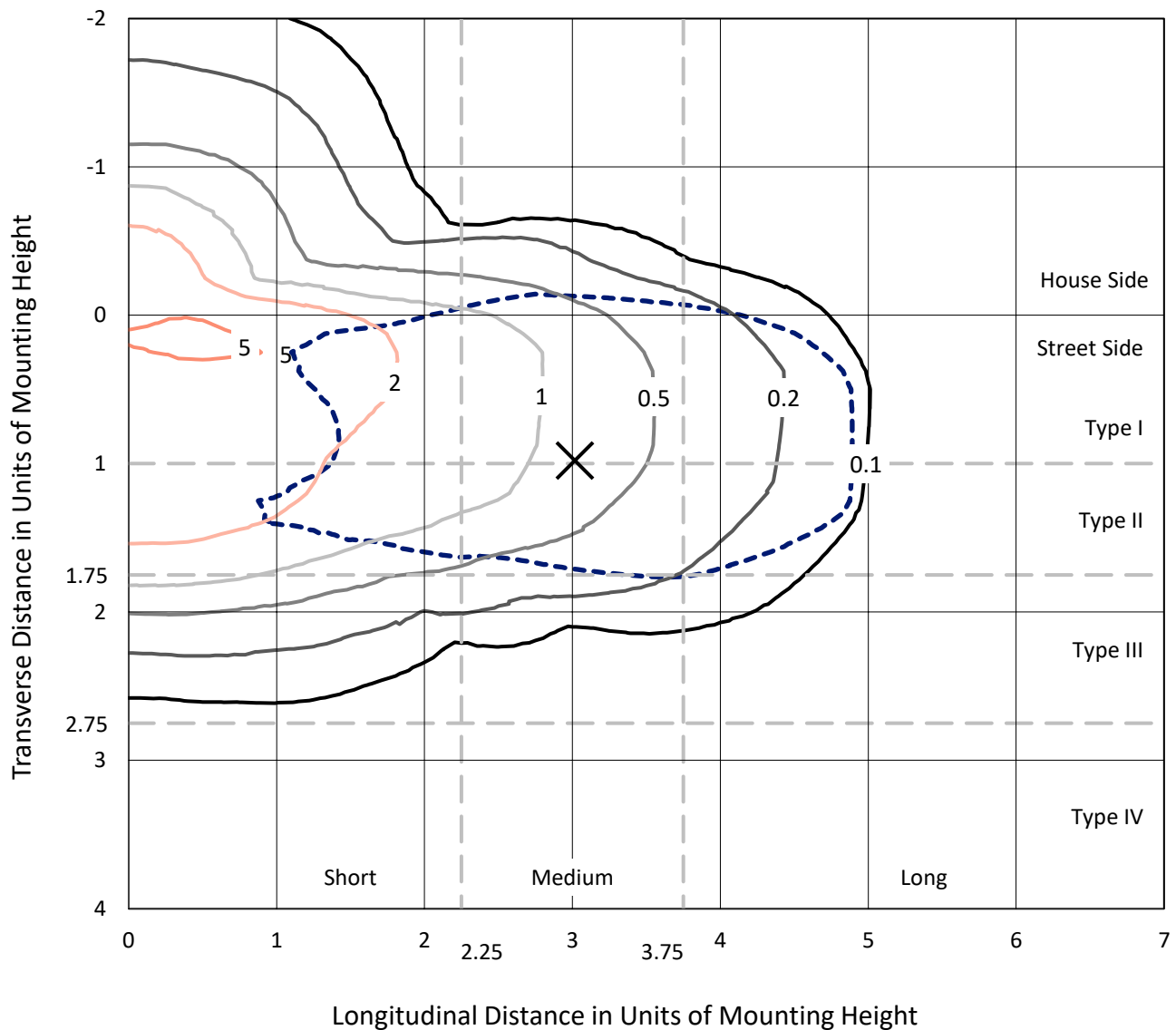
Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

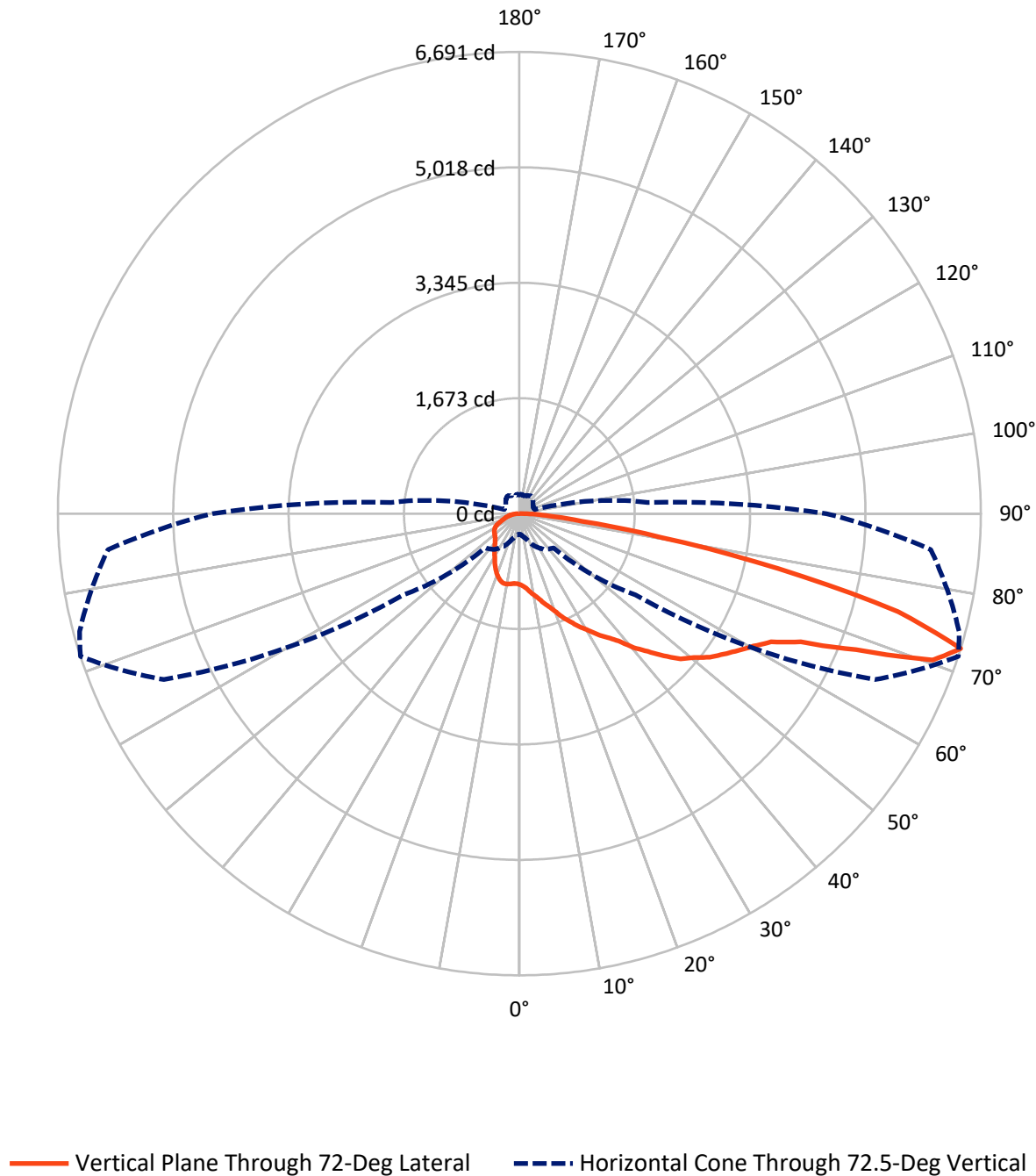
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1656.3	0.0	1656.3
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	6213.7	0.0	6213.7
	% Fixture	79.0	0.0	79.0
Total	Lumens	7869.9	0.0	7869.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.6	1.3
10°-20°	315.8	4.0
20°-30°	546.5	6.9
30°-40°	807.2	10.3
40°-50°	1200.4	15.3
50°-60°	1645.7	20.9
60°-70°	1785.1	22.7
70°-80°	1258.5	16.0
80°-90°	209.1	2.7
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°	7869.9	100.0
0°-180°	7869.9	100.0

Coefficient of Utilization



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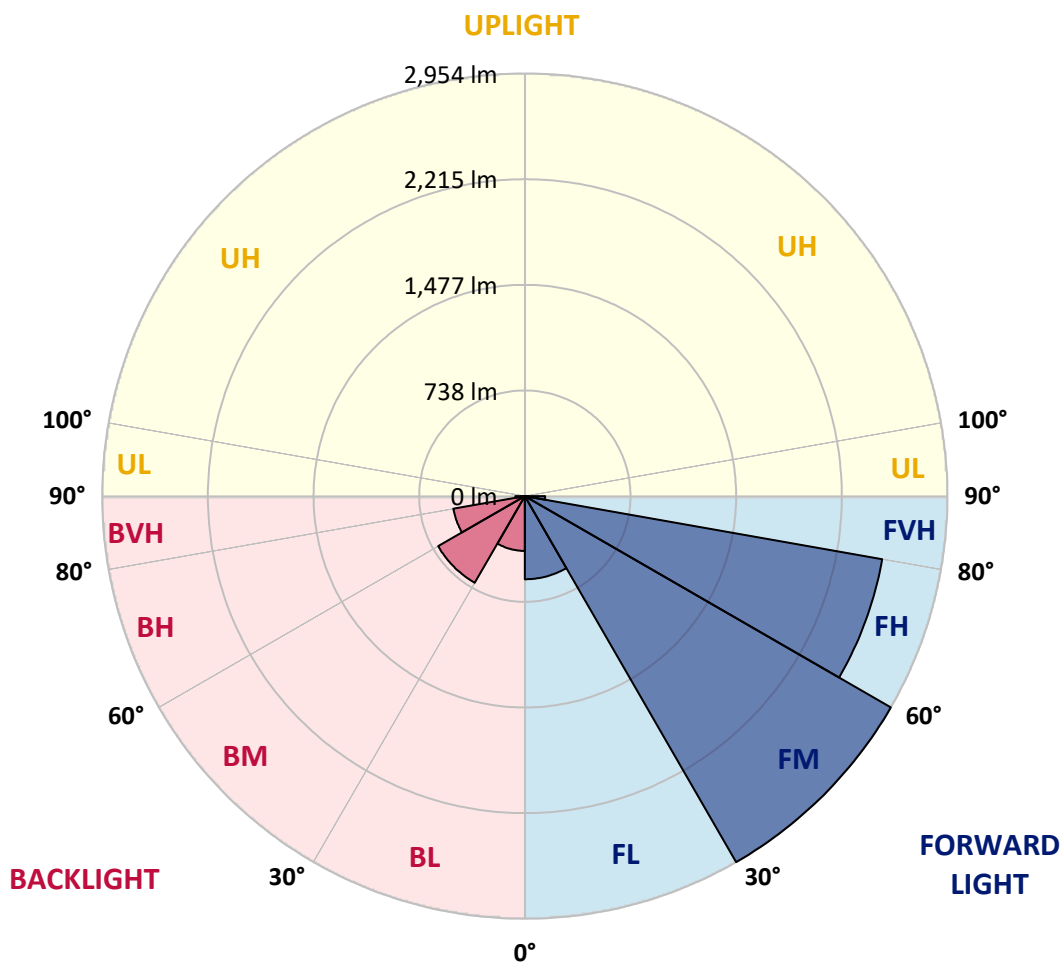
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	581.1	7.4			
FM	(30°-60°)	2953.7	37.5			
FH	(60°-80°)	2536.2	32.2			G2/5000
FVH	(80°-90°)	142.6	1.8			G2/225
BL	(0°-30°)	382.8	4.9	B1/500		
BM	(30°-60°)	699.6	8.9	B1/1000		
BH	(60°-80°)	507.3	6.4	B2/1000		G2/1000
BVH	(80°-90°)	66.5	0.8			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	1028.0	1028.0	1028.0	1028.0	1028.0	1028.0	1028.0	1028.0	1028.0	1028.0	1028.0
2.5°	1109.3	1109.3	1100.6	1097.7	1097.7	1074.5	1077.4	1062.9	1051.3	1051.3	1039.7
5°	1167.4	1161.6	1161.6	1161.6	1147.1	1138.4	1135.5	1109.3	1089.0	1091.9	1057.1
7.5°	1181.9	1184.9	1187.8	1202.3	1193.6	1199.4	1193.6	1164.5	1150.0	1135.5	1103.5
10°	1190.7	1196.5	1196.5	1216.8	1216.8	1231.3	1240.0	1228.4	1202.3	1187.8	1135.5
12.5°	1211.0	1202.3	1213.9	1228.4	1242.9	1269.1	1295.2	1283.6	1266.2	1248.7	1190.7
15°	1211.0	1213.9	1222.6	1245.8	1269.1	1295.2	1341.7	1359.1	1350.4	1318.4	1257.5
17.5°	1176.1	1167.4	1208.1	1251.6	1295.2	1327.2	1388.1	1428.8	1423.0	1411.4	1318.4
20°	1179.0	1187.8	1202.3	1240.0	1309.7	1367.8	1443.3	1510.1	1524.6	1518.8	1399.8
22.5°	1231.3	1234.2	1248.7	1266.2	1321.3	1396.8	1510.1	1617.6	1643.7	1629.2	1489.8
25°	1283.6	1306.8	1306.8	1318.4	1338.8	1417.2	1553.7	1704.7	1742.4	1745.3	1582.7
27.5°	1367.8	1373.6	1391.0	1396.8	1414.3	1460.7	1603.0	1768.6	1855.7	1844.1	1666.9
30°	1466.5	1469.5	1481.1	1475.3	1478.2	1536.2	1649.5	1841.2	1960.2	1963.1	1757.0
32.5°	1582.7	1605.9	1611.7	1574.0	1579.8	1594.3	1722.1	1928.3	2090.9	2070.6	1835.4
35°	1754.0	1762.8	1745.3	1727.9	1684.3	1675.6	1797.6	2015.4	2204.2	2227.4	1951.5
37.5°	1966.0	1989.3	1966.0	1873.1	1826.6	1791.8	1890.5	2111.2	2340.7	2419.1	2067.7
40°	2163.5	2160.6	2137.4	2053.2	1971.9	1945.7	2024.1	2244.8	2552.7	2628.2	2236.1
42.5°	2323.2	2314.5	2300.0	2236.1	2160.6	2117.1	2178.0	2384.2	2729.8	2875.0	2430.7
45°	2462.6	2451.0	2453.9	2381.3	2308.7	2332.0	2332.0	2543.9	2938.9	3119.0	2654.3
47.5°	2593.3	2599.1	2590.4	2535.2	2480.1	2541.0	2509.1	2726.9	3145.1	3345.5	2843.1
50°	2744.3	2755.9	2726.9	2692.1	2642.7	2703.7	2663.0	2898.2	3278.7	3551.7	3069.6
52.5°	2886.6	2898.2	2924.4	2880.8	2831.5	2880.8	2787.9	3058.0	3455.8	3752.0	3243.8
55°	2921.5	2915.7	3060.9	3107.3	3133.5	2985.4	2898.2	3194.5	3595.2	3879.8	3441.3
57.5°	2761.8	2776.3	2973.7	3107.3	3386.1	3258.3	3023.1	3354.2	3740.4	4048.2	3624.3
60°	2363.9	2372.6	2619.5	2936.0	3342.6	3513.9	3360.0	3560.4	3900.1	4190.5	3830.4
62.5°	1579.8	1646.6	1954.4	2451.0	3034.7	3583.6	3897.2	3908.9	4094.7	4370.6	4112.1
65°	833.5	865.4	1106.4	1507.2	2300.0	3342.6	4402.5	4600.0	4483.9	4701.7	4518.7
67.5°	546.0	557.6	688.3	914.8	1327.2	2439.4	4460.6	5799.4	5265.0	5331.8	5169.2
70°	406.6	412.4	508.2	676.6	821.8	1303.9	3656.2	6359.9	6357.0	6179.8	5941.7
72.5°	299.1	307.8	374.6	516.9	633.1	702.8	2056.1	5689.0	6690.9	6600.9	5988.2
75°	235.2	241.0	275.9	400.8	511.1	461.7	1042.6	4213.8	5674.5	6107.2	5479.9
77.5°	191.7	197.5	217.8	290.4	409.5	357.2	499.5	2718.2	3847.9	4396.7	4193.5
80°	159.7	159.7	174.2	206.2	316.5	270.1	296.2	1527.5	2073.5	2288.4	1902.2
82.5°	136.5	133.6	145.2	151.0	235.2	194.6	191.7	691.2	911.9	967.0	714.4
85°	87.1	90.0	136.5	130.7	153.9	133.6	107.4	328.2	429.8	438.5	267.2
87.5°	34.8	34.8	58.1	72.6	87.1	81.3	52.3	148.1	188.8	188.8	75.5
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°	1028.0	1028.0	1028.0	1028.0	1028.0	1028.0	1028.0	1028.0	1028.0	1028.0	1028.0
2.5°	1036.7	1025.1	1016.4	1010.6	996.1	981.6	984.5	981.6	970.0	964.1	964.1
5°	1048.4	1036.7	1022.2	999.0	984.5	967.0	972.9	961.2	949.6	958.3	943.8
7.5°	1077.4	1057.1	1036.7	1001.9	978.7	952.5	940.9	935.1	926.4	920.6	920.6
10°	1118.1	1089.0	1051.3	999.0	961.2	920.6	914.8	903.2	894.4	894.4	891.5
12.5°	1158.7	1126.8	1062.9	978.7	914.8	885.7	882.8	885.7	891.5	894.4	897.4
15°	1211.0	1158.7	1060.0	940.9	877.0	865.4	879.9	891.5	903.2	914.8	911.9
17.5°	1260.4	1199.4	1033.8	894.4	845.1	848.0	874.1	897.4	920.6	932.2	935.1
20°	1327.2	1237.1	996.1	839.3	813.1	839.3	874.1	903.2	929.3	943.8	946.7
22.5°	1402.7	1280.7	946.7	789.9	787.0	813.1	848.0	891.5	920.6	946.7	943.8
25°	1469.5	1309.7	882.8	749.2	755.1	772.5	813.1	859.6	888.6	917.7	909.0
27.5°	1513.0	1315.5	816.0	720.2	720.2	737.6	775.4	804.4	830.6	853.8	856.7
30°	1562.4	1303.9	740.5	682.5	682.5	705.7	720.2	737.6	752.1	758.0	763.8
32.5°	1620.5	1277.8	694.1	653.4	653.4	670.8	679.5	673.7	670.8	656.3	665.0
35°	1675.6	1240.0	641.8	615.7	627.3	636.0	633.1	615.7	598.2	572.1	563.4
37.5°	1742.4	1202.3	595.3	575.0	595.3	598.2	598.2	577.9	554.7	522.7	522.7
40°	1844.1	1173.2	557.6	548.9	569.2	566.3	551.8	537.2	546.0	528.5	528.5
42.5°	1951.5	1161.6	522.7	525.6	534.3	537.2	522.7	505.3	540.2	519.8	522.7
45°	2085.1	1170.3	499.5	496.6	516.9	514.0	505.3	490.8	502.4	450.1	435.6
47.5°	2210.0	1187.8	487.9	476.3	499.5	505.3	493.7	461.7	444.3	412.4	406.6
50°	2323.2	1225.5	476.3	453.0	476.3	487.9	467.6	432.7	412.4	392.0	392.0
52.5°	2430.7	1280.7	470.5	426.9	447.2	461.7	450.1	415.3	392.0	383.3	374.6
55°	2541.0	1330.1	461.7	409.5	415.3	444.3	441.4	395.0	371.7	371.7	368.8
57.5°	2697.9	1396.8	450.1	380.4	392.0	424.0	424.0	386.2	360.1	363.0	365.9
60°	2857.6	1475.3	438.5	351.4	360.1	403.7	409.5	374.6	351.4	354.3	351.4
62.5°	3113.1	1620.5	415.3	316.5	334.0	377.5	392.0	360.1	339.8	345.6	345.6
65°	3499.4	1870.2	365.9	287.5	307.8	354.3	374.6	345.6	322.3	339.8	334.0
67.5°	4120.8	2212.9	307.8	264.3	290.4	331.1	354.3	328.2	307.8	334.0	325.3
70°	4678.4	2381.3	264.3	243.9	264.3	304.9	331.1	310.7	290.4	316.5	304.9
72.5°	4451.9	1867.3	229.4	220.7	241.0	275.9	307.8	287.5	267.2	281.7	270.1
75°	3842.1	1486.9	200.4	197.5	214.9	249.7	281.7	267.2	246.8	252.7	246.8
77.5°	2912.8	1228.4	171.3	168.4	183.0	223.6	252.7	241.0	220.7	217.8	217.8
80°	1301.0	604.0	142.3	142.3	151.0	191.7	214.9	209.1	188.8	185.9	183.0
82.5°	426.9	229.4	116.2	110.4	122.0	159.7	191.7	185.9	165.5	159.7	153.9
85°	171.3	110.4	84.2	84.2	95.8	133.6	171.3	159.7	133.6	119.1	119.1
87.5°	58.1	46.5	43.6	43.6	61.0	90.0	127.8	107.4	95.8	84.2	87.1
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)