

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: P674918

Luminaire Tested: **CCW-SA-2B-850-U-T2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674918
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2B-850-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
T2 distribution lens
Light Source: (32) 5000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6011.3 lumens
Efficiency: N/A
Efficacy: 130.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - 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

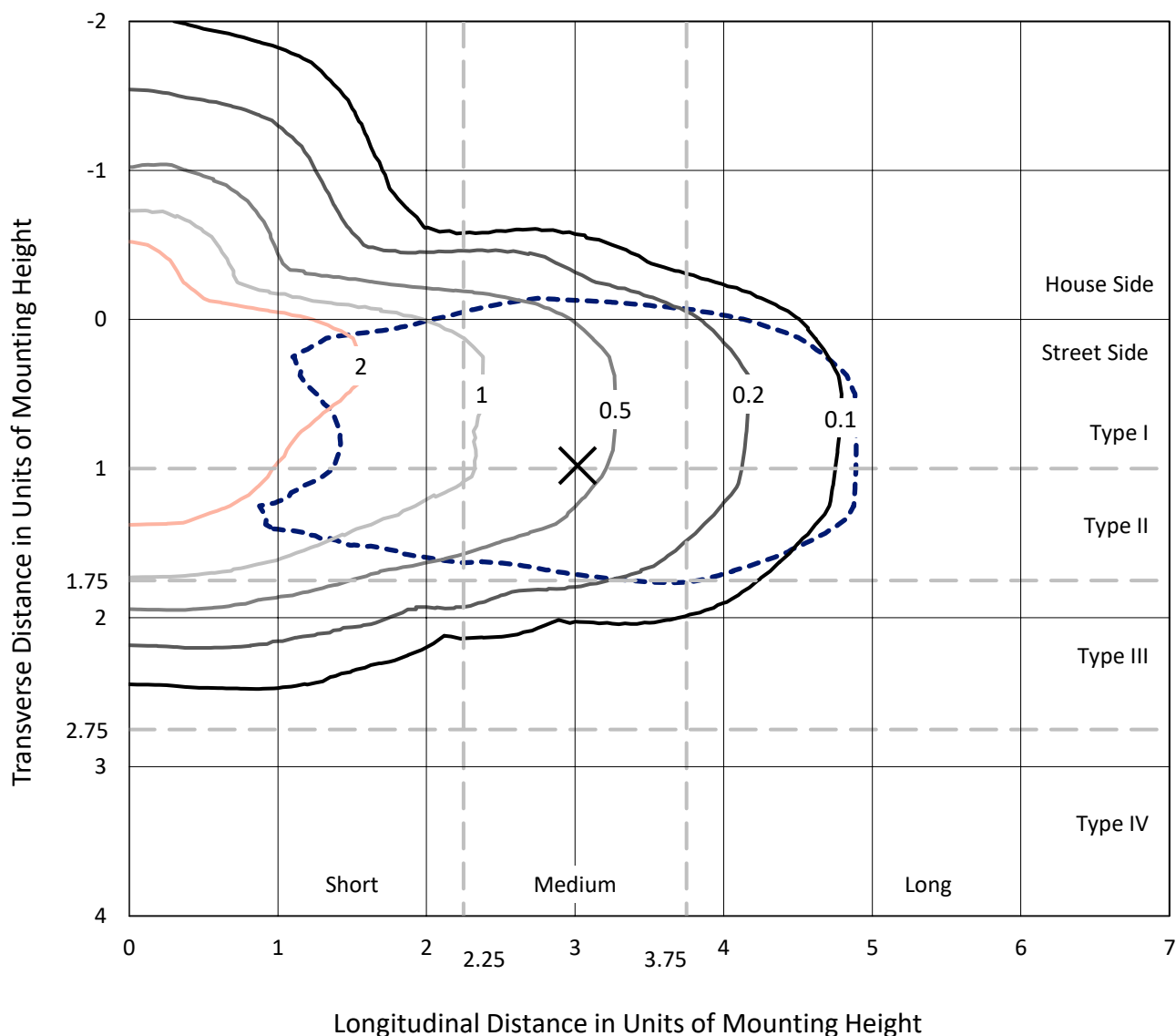
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

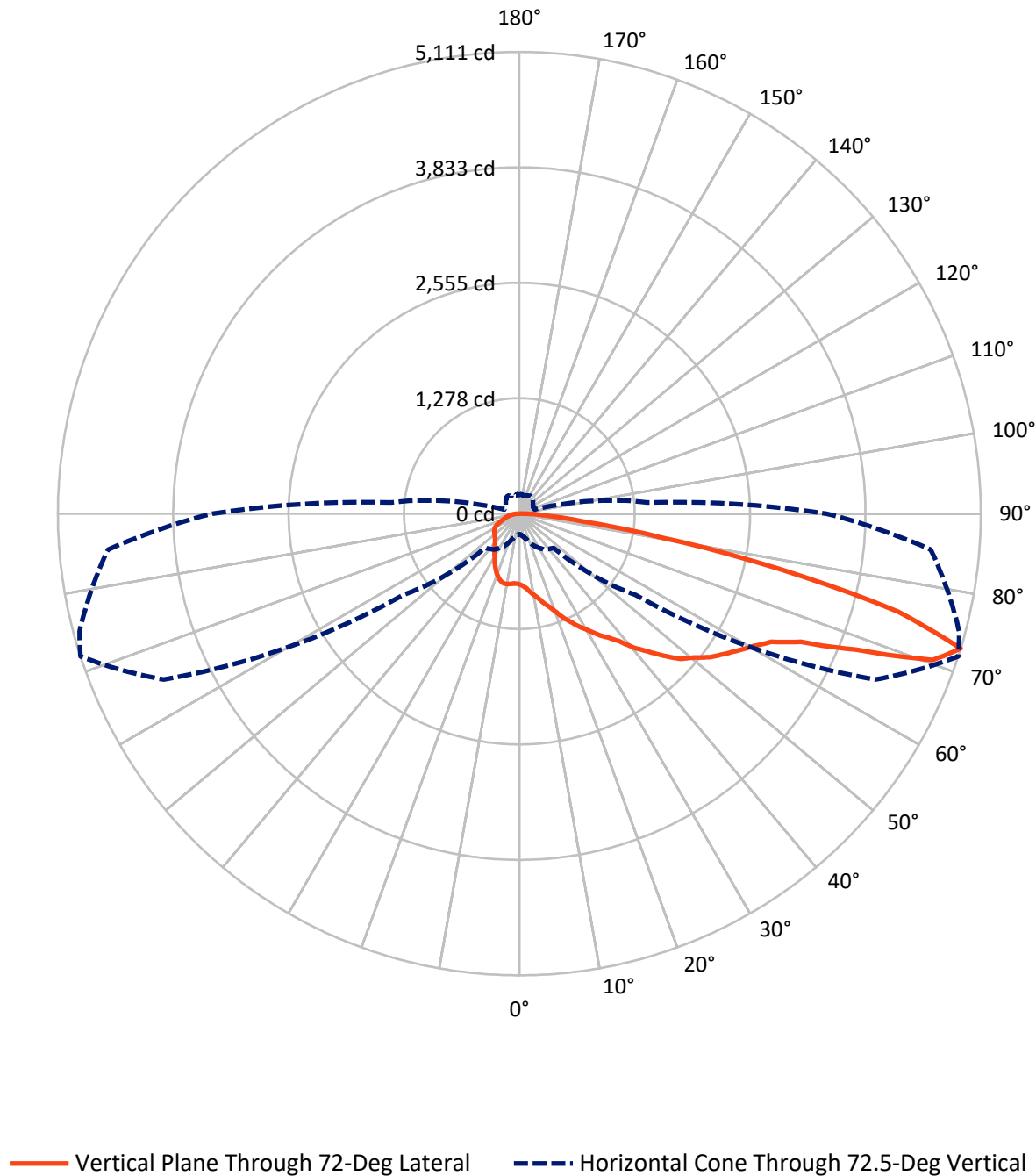
--- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.4 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	1265.1	0.0	1265.1
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	4746.2	0.0	4746.2
	% Fixture	79.0	0.0	79.0
Total	Lumens	6011.3	0.0	6011.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.6	1.3
10°-20°	241.2	4.0
20°-30°	417.4	6.9
30°-40°	616.6	10.3
40°-50°	916.9	15.3
50°-60°	1257.0	20.9
60°-70°	1363.5	22.7
70°-80°	961.3	16.0
80°-90°	159.7	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°	6011.3	100.0
0°-180°	6011.3	100.0

Coefficient of Utilization



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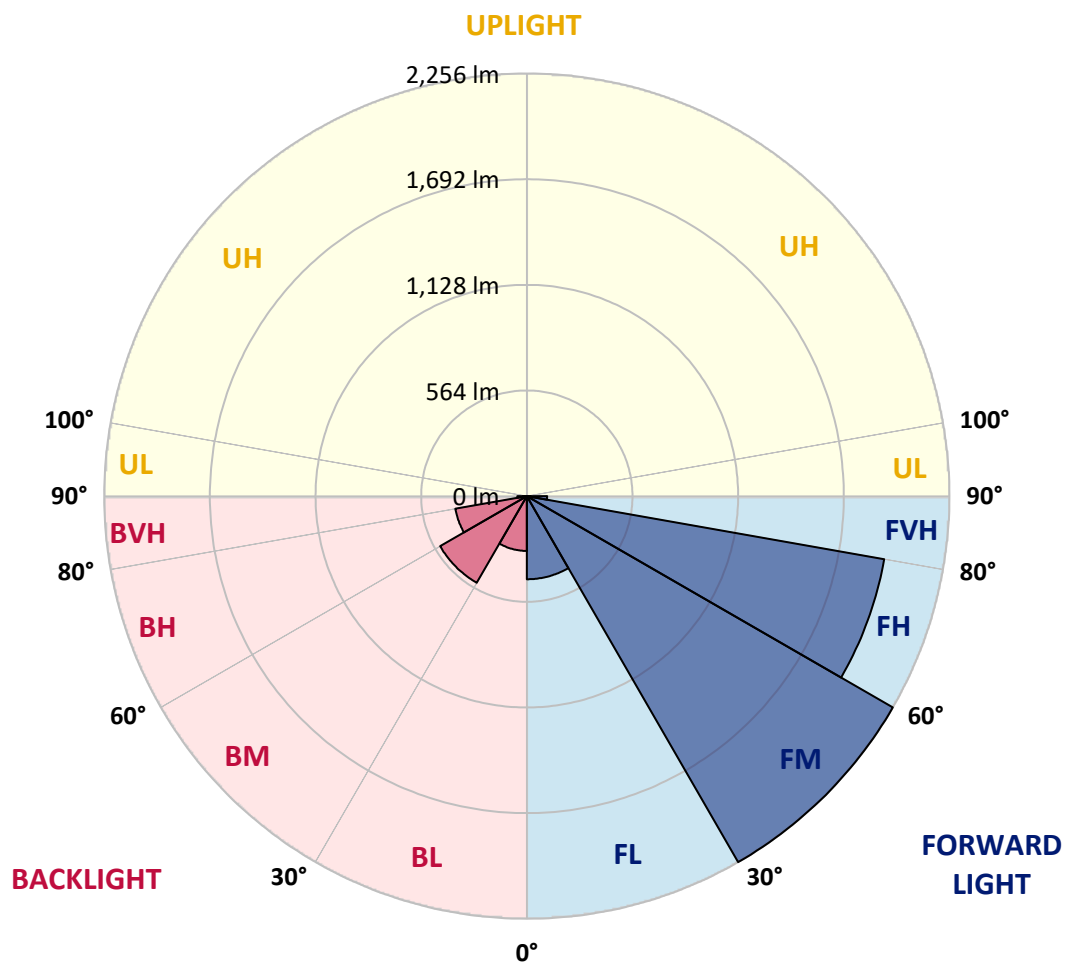
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	443.9	7.4			
FM	(30°-60°)	2256.2	37.5			
FH	(60°-80°)	1937.3	32.2			G2/5000
FVH	(80°-90°)	108.9	1.8			G2/225
BL	(0°-30°)	292.4	4.9	B1/500		
BM	(30°-60°)	534.3	8.9	B1/1000		
BH	(60°-80°)	387.5	6.4	B1/500		G1/500
BVH	(80°-90°)	50.8	0.8			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	785.2	785.2	785.2	785.2	785.2	785.2	785.2	785.2	785.2	785.2	785.2
2.5°	847.4	847.4	840.7	838.5	838.5	820.7	823.0	811.9	803.0	803.0	794.1
5°	891.7	887.3	887.3	887.3	876.2	869.5	867.3	847.4	831.8	834.0	807.4
7.5°	902.8	905.0	907.2	918.3	911.7	916.1	911.7	889.5	878.4	867.3	842.9
10°	909.5	913.9	913.9	929.4	929.4	940.5	947.2	938.3	918.3	907.2	867.3
12.5°	925.0	918.3	927.2	938.3	949.4	969.4	989.3	980.4	967.1	953.8	909.5
15°	925.0	927.2	933.9	951.6	969.4	989.3	1024.8	1038.1	1031.5	1007.1	960.5
17.5°	898.4	891.7	922.8	956.0	989.3	1013.7	1060.3	1091.4	1086.9	1078.0	1007.1
20°	900.6	907.2	918.3	947.2	1000.4	1044.8	1102.4	1153.5	1164.6	1160.1	1069.2
22.5°	940.5	942.7	953.8	967.1	1009.3	1067.0	1153.5	1235.5	1255.5	1244.4	1137.9
25°	980.4	998.2	998.2	1007.1	1022.6	1082.5	1186.7	1302.1	1330.9	1333.1	1208.9
27.5°	1044.8	1049.2	1062.5	1067.0	1080.3	1115.8	1224.5	1350.9	1417.4	1408.6	1273.3
30°	1120.2	1122.4	1131.3	1126.8	1129.1	1173.4	1259.9	1406.3	1497.3	1499.5	1342.0
32.5°	1208.9	1226.7	1231.1	1202.3	1206.7	1217.8	1315.4	1472.9	1597.1	1581.6	1401.9
35°	1339.8	1346.5	1333.1	1319.8	1286.6	1279.9	1373.1	1539.4	1683.6	1701.4	1490.6
37.5°	1501.7	1519.5	1501.7	1430.7	1395.3	1368.6	1444.1	1612.6	1787.9	1847.8	1579.4
40°	1652.6	1650.3	1632.6	1568.3	1506.2	1486.2	1546.1	1714.7	1949.8	2007.5	1708.0
42.5°	1774.6	1767.9	1756.8	1708.0	1650.3	1617.1	1663.7	1821.1	2085.1	2196.0	1856.6
45°	1881.0	1872.2	1874.4	1818.9	1763.5	1781.2	1781.2	1943.1	2244.8	2382.4	2027.4
47.5°	1980.9	1985.3	1978.6	1936.5	1894.3	1940.9	1916.5	2082.9	2402.3	2555.4	2171.6
50°	2096.2	2105.1	2082.9	2056.3	2018.6	2065.2	2034.1	2213.8	2504.4	2712.9	2344.6
52.5°	2204.9	2213.8	2233.7	2200.5	2162.8	2200.5	2129.5	2335.8	2639.7	2865.9	2477.7
55°	2231.5	2227.1	2338.0	2373.5	2393.4	2280.3	2213.8	2440.0	2746.1	2963.5	2628.6
57.5°	2109.5	2120.6	2271.4	2373.5	2586.4	2488.8	2309.2	2562.0	2857.1	3092.2	2768.3
60°	1805.6	1812.3	2000.8	2242.6	2553.2	2684.0	2566.5	2719.5	2979.1	3200.9	2925.8
62.5°	1206.7	1257.7	1492.9	1872.2	2318.0	2737.3	2976.8	2985.7	3127.7	3338.4	3141.0
65°	636.6	661.0	845.1	1151.2	1756.8	2553.2	3362.8	3513.6	3424.9	3591.3	3451.5
67.5°	417.0	425.9	525.7	698.7	1013.7	1863.3	3407.2	4429.8	4021.6	4072.6	3948.4
70°	310.5	315.0	388.2	516.8	627.8	996.0	2792.7	4857.9	4855.7	4720.3	4538.5
72.5°	228.5	235.1	286.1	394.8	483.6	536.8	1570.5	4345.5	5110.7	5042.0	4573.9
75°	179.7	184.1	210.7	306.1	390.4	352.7	796.3	3218.6	4334.4	4664.9	4185.8
77.5°	146.4	150.8	166.4	221.8	312.8	272.8	381.5	2076.2	2939.1	3358.4	3203.1
80°	122.0	122.0	133.1	157.5	241.8	206.3	226.3	1166.8	1583.8	1747.9	1452.9
82.5°	104.3	102.0	110.9	115.3	179.7	148.6	146.4	527.9	696.5	738.7	545.7
85°	66.5	68.8	104.3	99.8	117.6	102.0	82.1	250.7	328.3	334.9	204.1
87.5°	26.6	26.6	44.4	55.5	66.5	62.1	39.9	113.1	144.2	144.2	57.7
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°	785.2	785.2	785.2	785.2	785.2	785.2	785.2	785.2	785.2	785.2	785.2
2.5°	791.9	783.0	776.4	771.9	760.8	749.8	752.0	749.8	740.9	736.4	736.4
5°	800.8	791.9	780.8	763.1	752.0	738.7	743.1	734.2	725.4	732.0	720.9
7.5°	823.0	807.4	791.9	765.3	747.5	727.6	718.7	714.3	707.6	703.2	703.2
10°	854.0	831.8	803.0	763.1	734.2	703.2	698.7	689.9	683.2	683.2	681.0
12.5°	885.1	860.7	811.9	747.5	698.7	676.6	674.3	676.6	681.0	683.2	685.4
15°	925.0	885.1	809.6	718.7	669.9	661.0	672.1	681.0	689.9	698.7	696.5
17.5°	962.7	916.1	789.7	683.2	645.5	647.7	667.7	685.4	703.2	712.0	714.3
20°	1013.7	945.0	760.8	641.1	621.1	641.1	667.7	689.9	709.8	720.9	723.1
22.5°	1071.4	978.2	723.1	603.4	601.1	621.1	647.7	681.0	703.2	723.1	720.9
25°	1122.4	1000.4	674.3	572.3	576.7	590.0	621.1	656.6	678.8	701.0	694.3
27.5°	1155.7	1004.8	623.3	550.1	550.1	563.4	592.3	614.4	634.4	652.2	654.4
30°	1193.4	996.0	565.6	521.3	521.3	539.0	550.1	563.4	574.5	579.0	583.4
32.5°	1237.8	976.0	530.2	499.1	499.1	512.4	519.1	514.6	512.4	501.3	508.0
35°	1279.9	947.2	490.2	470.3	479.1	485.8	483.6	470.3	457.0	437.0	430.3
37.5°	1330.9	918.3	454.7	439.2	454.7	457.0	457.0	441.4	423.7	399.3	399.3
40°	1408.6	896.2	425.9	419.2	434.8	432.6	421.5	410.4	417.0	403.7	403.7
42.5°	1490.6	887.3	399.3	401.5	408.2	410.4	399.3	386.0	412.6	397.1	399.3
45°	1592.7	893.9	381.5	379.3	394.8	392.6	386.0	374.9	383.7	343.8	332.7
47.5°	1688.1	907.2	372.7	363.8	381.5	386.0	377.1	352.7	339.4	315.0	310.5
50°	1774.6	936.1	363.8	346.0	363.8	372.7	357.1	330.5	315.0	299.5	299.5
52.5°	1856.6	978.2	359.3	326.1	341.6	352.7	343.8	317.2	299.5	292.8	286.1
55°	1940.9	1015.9	352.7	312.8	317.2	339.4	337.2	301.7	283.9	283.9	281.7
57.5°	2060.7	1067.0	343.8	290.6	299.5	323.9	323.9	295.0	275.1	277.3	279.5
60°	2182.7	1126.8	334.9	268.4	275.1	308.3	312.8	286.1	268.4	270.6	268.4
62.5°	2377.9	1237.8	317.2	241.8	255.1	288.4	299.5	275.1	259.5	264.0	264.0
65°	2672.9	1428.5	279.5	219.6	235.1	270.6	286.1	264.0	246.2	259.5	255.1
67.5°	3147.6	1690.3	235.1	201.9	221.8	252.9	270.6	250.7	235.1	255.1	248.4
70°	3573.5	1818.9	201.9	186.3	201.9	232.9	252.9	237.3	221.8	241.8	232.9
72.5°	3400.5	1426.3	175.2	168.6	184.1	210.7	235.1	219.6	204.1	215.2	206.3
75°	2934.7	1135.7	153.1	150.8	164.1	190.8	215.2	204.1	188.5	193.0	188.5
77.5°	2224.9	938.3	130.9	128.7	139.7	170.8	193.0	184.1	168.6	166.4	166.4
80°	993.8	461.4	108.7	108.7	115.3	146.4	164.1	159.7	144.2	142.0	139.7
82.5°	326.1	175.2	88.7	84.3	93.2	122.0	146.4	142.0	126.4	122.0	117.6
85°	130.9	84.3	64.3	64.3	73.2	102.0	130.9	122.0	102.0	90.9	90.9
87.5°	44.4	35.5	33.3	33.3	46.6	68.8	97.6	82.1	73.2	64.3	66.5
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)