

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: P675116

Luminaire Tested: **CCW-SA-1F-735-U-T4FT**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675116
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1F-735-U-T4FT
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/
T4FT distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

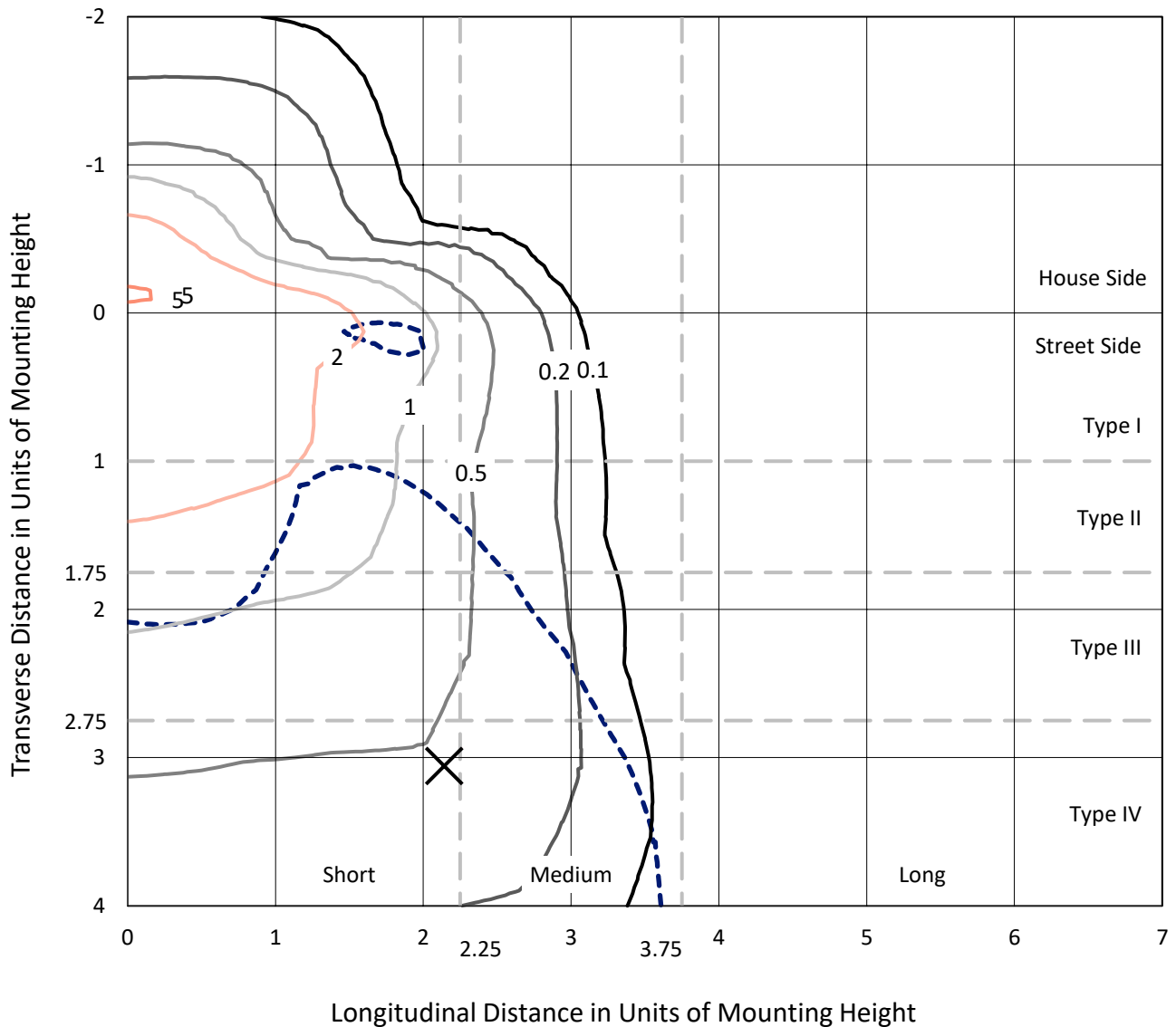
Lumens per Lamp: N/A
Luminaire Lumens: 7390.4 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

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

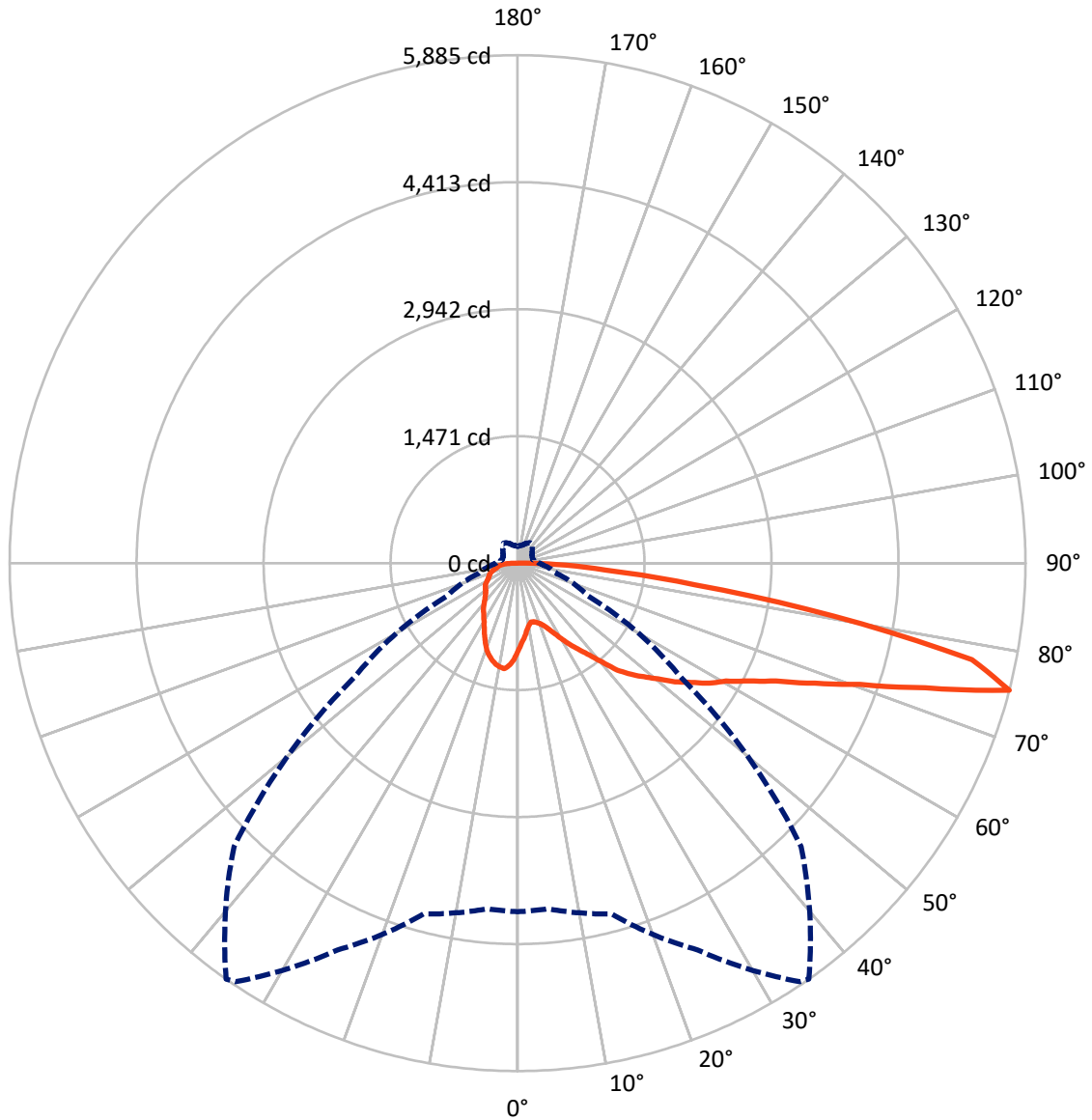
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1698.5	0.0	1698.5
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	5691.9	0.0	5691.9
	% Fixture	77.0	0.0	77.0
Total	Lumens	7390.4	0.0	7390.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.5	1.3
10°-20°	280.0	3.8
20°-30°	464.6	6.3
30°-40°	688.7	9.3
40°-50°	993.1	13.4
50°-60°	1365.7	18.5
60°-70°	1686.9	22.8
70°-80°	1543.2	20.9
80°-90°	271.7	3.7
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°	7390.4	100.0
0°-180°	7390.4	100.0



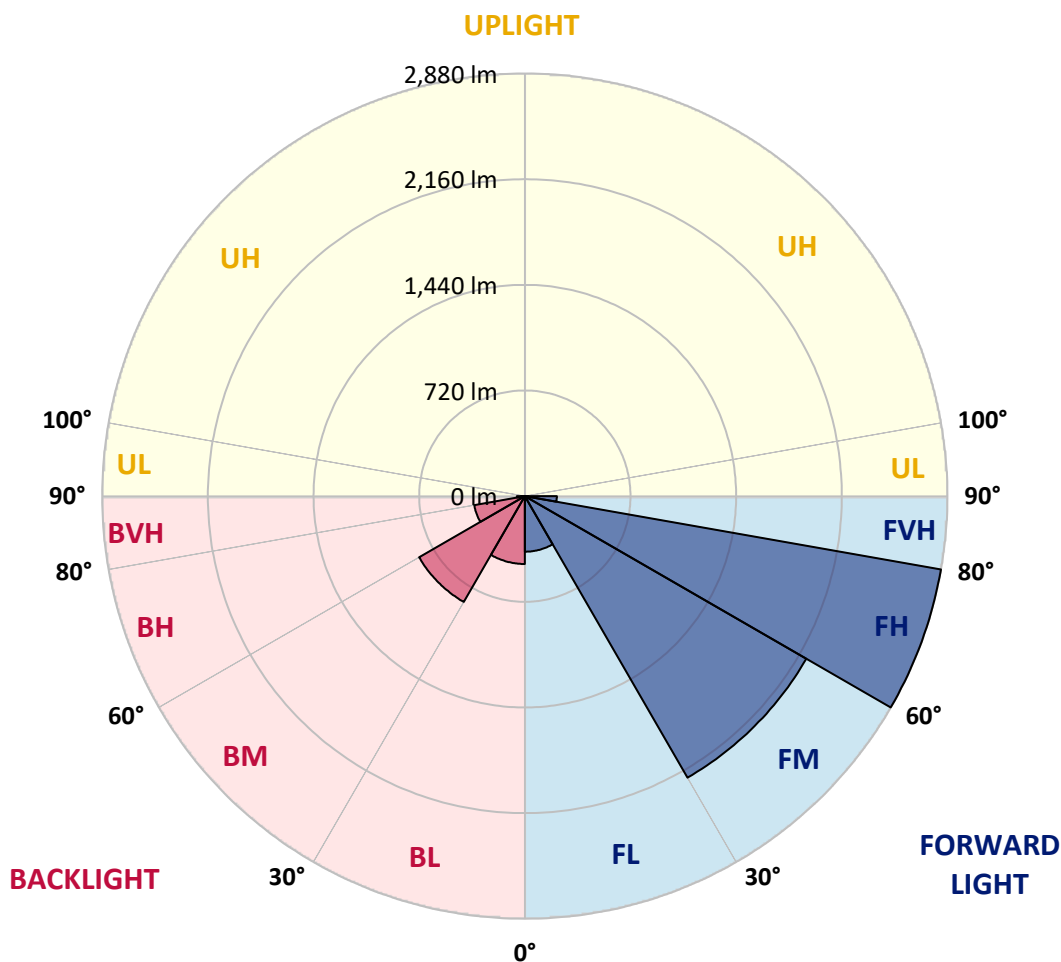
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	378.8	5.1			
FM (30°-60°)	2215.2	30.0			
FH (60°-80°)	2879.9	39.0			G2/5000
FVH (80°-90°)	218.0	3.0			G2/225
BL (0°-30°)	462.3	6.3	B1/500		
BM (30°-60°)	832.3	11.3	B1/1000		
BH (60°-80°)	350.2	4.7	B1/500		G1/500
BVH (80°-90°)	53.7	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	1012.5	1012.5	1012.5	1012.5	1012.5	1012.5	1012.5	1012.5	1012.5	1012.5	1012.5
2.5°	917.3	909.1	917.3	922.7	922.7	922.7	930.9	955.4	971.7	982.6	1001.6
5°	822.0	824.7	830.2	843.8	851.9	857.4	871.0	900.9	925.4	960.8	1001.6
7.5°	737.6	743.1	751.2	764.8	783.9	781.2	811.1	851.9	898.2	944.5	1004.4
10°	694.1	705.0	707.7	710.4	729.5	729.5	770.3	816.6	873.7	933.6	1004.4
12.5°	702.2	702.2	694.1	691.3	702.2	699.5	734.9	789.3	851.9	936.3	1015.2
15°	726.7	726.7	710.4	694.1	710.4	705.0	734.9	778.4	851.9	939.0	1037.0
17.5°	759.4	762.1	743.1	715.8	721.3	724.0	745.8	786.6	851.9	944.5	1067.0
20°	824.7	811.1	781.2	737.6	756.7	748.5	781.2	816.6	868.3	966.3	1110.5
22.5°	881.9	881.9	824.7	786.6	789.3	789.3	819.3	849.2	892.8	996.2	1143.2
25°	974.4	969.0	898.2	841.1	846.5	849.2	865.5	900.9	933.6	1012.5	1184.0
27.5°	1091.5	1077.9	1007.1	941.8	920.0	928.1	936.3	963.5	971.7	1039.7	1233.0
30°	1216.7	1197.6	1137.7	1034.3	1023.4	1026.1	1012.5	1028.9	1018.0	1083.3	1282.0
32.5°	1295.6	1295.6	1238.4	1162.2	1132.3	1132.3	1086.0	1096.9	1096.9	1124.1	1369.1
35°	1363.6	1358.2	1320.1	1262.9	1243.9	1233.0	1186.7	1203.1	1175.8	1203.1	1491.6
37.5°	1467.1	1450.7	1434.4	1396.3	1358.2	1350.0	1325.5	1336.4	1298.3	1284.7	1630.4
40°	1586.8	1578.7	1562.3	1546.0	1507.9	1505.2	1478.0	1488.9	1448.0	1396.3	1769.2
42.5°	1763.8	1739.3	1687.5	1673.9	1682.1	1693.0	1682.1	1663.0	1589.6	1524.2	1918.9
45°	1940.7	1902.6	1804.6	1782.8	1845.4	1837.2	1883.5	1875.4	1755.6	1652.2	2076.8
47.5°	2055.0	2022.3	1943.4	1929.8	1957.0	1967.9	2106.7	2082.2	1891.7	1769.2	2229.2
50°	2136.7	2139.4	2035.9	2071.3	2106.7	2106.7	2280.9	2278.2	2057.7	1913.5	2427.9
52.5°	2256.4	2218.3	2174.8	2207.4	2256.4	2283.6	2498.7	2438.8	2161.1	2035.9	2651.1
55°	2319.0	2302.7	2264.6	2321.7	2425.2	2438.8	2667.4	2621.1	2278.2	2180.2	2879.7
57.5°	2343.5	2357.1	2419.7	2444.2	2588.5	2623.9	2819.8	2754.5	2387.1	2359.8	3056.6
60°	2452.4	2433.3	2517.7	2615.7	2754.5	2773.6	3010.4	2868.8	2493.2	2476.9	3113.8
62.5°	2672.9	2623.9	2670.1	2787.2	2980.4	3004.9	3211.8	3021.3	2539.5	2555.8	3111.1
65°	2994.0	2958.6	2890.6	2983.1	3255.3	3290.7	3448.6	3151.9	2525.9	2528.6	2890.6
67.5°	3372.4	3315.2	3244.4	3301.6	3633.7	3715.3	3737.1	3209.1	2430.6	2376.2	2351.7
70°	3704.4	3666.3	3620.1	3718.0	4180.8	4210.7	4096.4	3173.7	2166.6	1908.0	1567.8
72.5°	4014.7	3995.7	4022.9	4390.3	4921.1	4940.2	4433.9	2950.5	1712.0	1156.8	729.5
75°	4039.2	4020.2	4208.0	4945.6	5849.2	5884.6	4643.5	2313.6	903.7	470.9	307.6
77.5°	2735.5	2792.6	3143.7	4330.5	5372.9	5381.1	3797.0	1075.1	372.9	277.6	215.0
80°	672.3	745.8	1184.0	2240.1	3622.8	3712.6	2079.5	362.0	245.0	212.3	160.6
82.5°	245.0	266.7	481.8	1012.5	2035.9	2071.3	726.7	196.0	176.9	163.3	117.0
85°	117.0	119.8	228.6	498.1	1028.9	1018.0	261.3	117.0	127.9	111.6	70.8
87.5°	49.0	49.0	100.7	231.4	454.5	440.9	84.4	54.4	73.5	65.3	35.4
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°	1012.5	1012.5	1012.5	1012.5	1012.5	1012.5	1012.5	1012.5	1012.5	1012.5	1012.5
2.5°	1015.2	1020.7	1042.5	1058.8	1075.1	1088.7	1110.5	1110.5	1124.1	1124.1	1124.1
5°	1012.5	1042.5	1077.9	1116.0	1140.5	1165.0	1186.7	1189.4	1197.6	1208.5	1211.2
7.5°	1023.4	1053.4	1110.5	1165.0	1194.9	1205.8	1233.0	1224.8	1224.8	1224.8	1233.0
10°	1045.2	1077.9	1156.8	1205.8	1227.6	1230.3	1222.1	1216.7	1200.3	1194.9	1186.7
12.5°	1061.5	1118.7	1197.6	1235.7	1227.6	1219.4	1200.3	1173.1	1154.1	1148.6	1148.6
15°	1102.3	1159.5	1233.0	1246.6	1233.0	1189.4	1165.0	1135.0	1118.7	1094.2	1105.1
17.5°	1137.7	1203.1	1268.4	1252.0	1224.8	1156.8	1121.4	1077.9	1056.1	1028.9	1028.9
20°	1184.0	1243.9	1301.0	1257.5	1197.6	1124.1	1067.0	1012.5	982.6	955.4	960.8
22.5°	1235.7	1290.2	1320.1	1235.7	1156.8	1072.4	993.5	941.8	903.7	887.3	892.8
25°	1276.5	1336.4	1331.0	1200.3	1107.8	1007.1	920.0	871.0	862.8	846.5	846.5
27.5°	1328.3	1390.9	1322.8	1156.8	1026.1	903.7	849.2	830.2	830.2	822.0	827.4
30°	1396.3	1439.9	1303.8	1094.2	922.7	811.1	783.9	794.8	813.8	805.7	808.4
32.5°	1507.9	1502.5	1287.4	1023.4	813.8	721.3	740.3	762.1	778.4	786.6	792.1
35°	1616.8	1581.4	1268.4	928.1	713.1	677.7	694.1	718.6	748.5	756.7	759.4
37.5°	1725.7	1663.0	1235.7	811.1	650.5	639.6	656.0	669.6	694.1	699.5	705.0
40°	1840.0	1717.5	1178.6	696.8	598.8	598.8	609.7	612.4	626.0	634.2	639.6
42.5°	1940.7	1769.2	1075.1	590.6	544.4	563.4	566.1	560.7	549.8	555.3	558.0
45°	2063.2	1826.4	955.4	514.4	503.5	528.0	533.5	511.7	492.7	481.8	476.3
47.5°	2182.9	1886.2	851.9	451.8	465.4	503.5	503.5	479.0	446.4	419.2	408.3
50°	2291.8	1946.1	767.6	413.7	427.3	484.5	489.9	443.7	408.3	375.6	370.2
52.5°	2474.2	2046.8	680.5	383.8	405.6	470.9	468.2	427.3	381.1	345.7	343.0
55°	2634.7	2147.5	566.1	353.8	383.8	451.8	460.0	411.0	348.4	315.7	310.3
57.5°	2751.8	2172.0	451.8	323.9	362.0	430.1	440.9	378.3	326.6	299.4	296.7
60°	2773.6	2076.8	367.4	299.4	332.1	400.1	408.3	359.3	310.3	288.5	283.1
62.5°	2672.9	1894.4	313.0	277.6	307.6	370.2	386.5	337.5	294.0	274.9	272.2
65°	2444.2	1627.7	274.9	258.6	291.2	348.4	367.4	321.2	280.4	264.0	261.3
67.5°	1935.2	1249.3	245.0	245.0	269.5	326.6	353.8	310.3	266.7	255.9	253.1
70°	1265.7	751.2	223.2	225.9	253.1	307.6	337.5	296.7	250.4	247.7	242.2
72.5°	544.4	345.7	198.7	206.9	228.6	274.9	313.0	277.6	231.4	223.2	215.0
75°	250.4	209.6	179.6	185.1	204.1	242.2	283.1	255.9	215.0	201.4	193.3
77.5°	176.9	152.4	149.7	160.6	174.2	209.6	250.4	239.5	198.7	187.8	182.4
80°	130.6	117.0	125.2	136.1	144.3	193.3	236.8	220.5	182.4	166.0	157.9
82.5°	92.5	87.1	98.0	108.9	117.0	168.8	217.7	193.3	152.4	138.8	125.2
85°	54.4	57.2	68.0	73.5	81.7	125.2	182.4	155.1	117.0	89.8	87.1
87.5°	24.5	24.5	32.7	35.4	40.8	73.5	122.5	98.0	73.5	57.2	54.4
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)