

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: P675060

Luminaire Tested: **CCW-SA-1F-850-U-T3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675060
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1F-850-U-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/
T3 distribution lens
Light Source: (16) 5000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6610.4 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

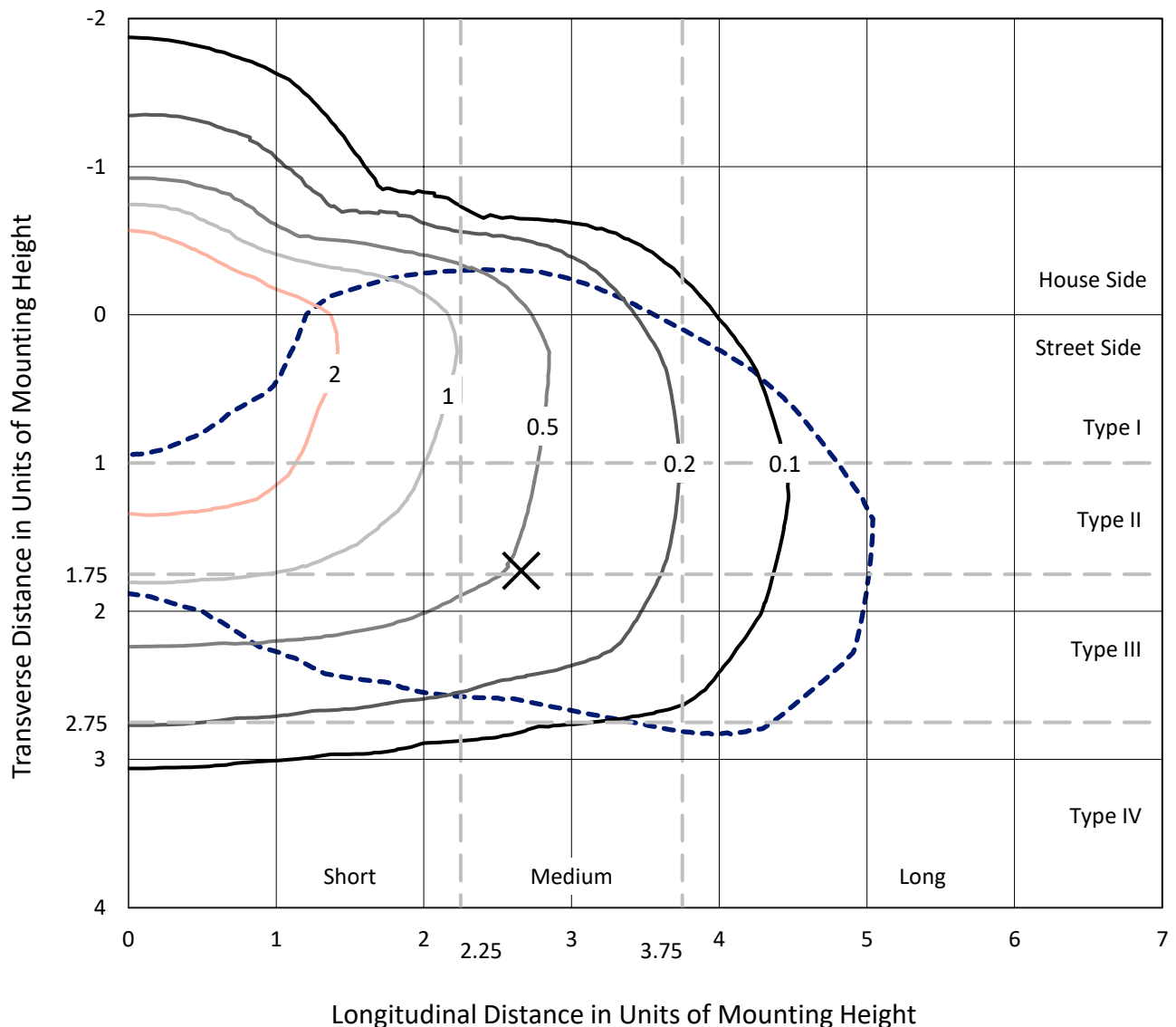
Input Watts (W): 67
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

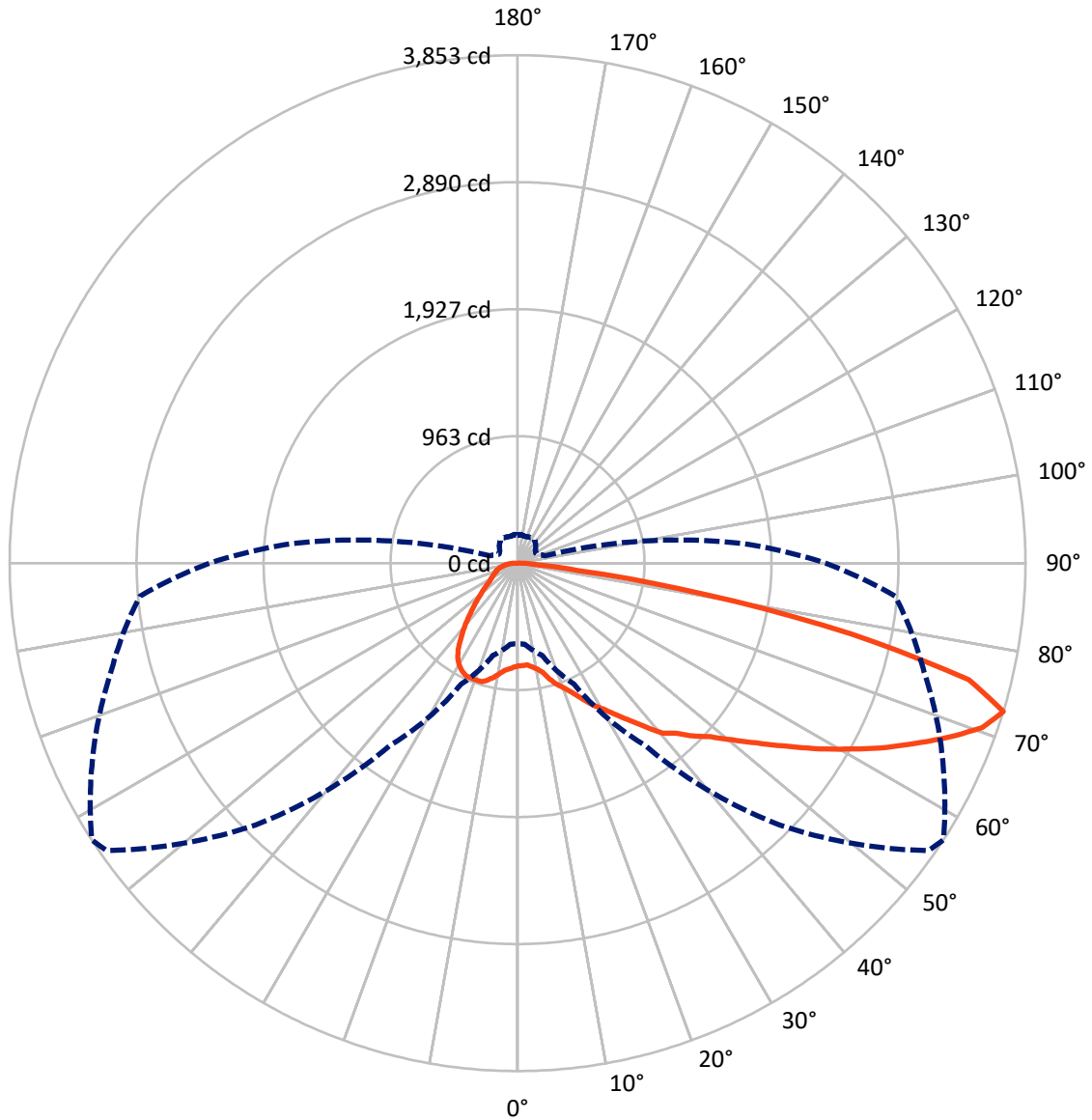
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1543.8	0.0	1543.8
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	5066.7	0.0	5066.7
	% Fixture	76.6	0.0	76.6
Total	Lumens	6610.4	0.0	6610.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.4	1.2
10°-20°	261.0	3.9
20°-30°	477.2	7.2
30°-40°	700.0	10.6
40°-50°	963.8	14.6
50°-60°	1321.7	20.0
60°-70°	1593.3	24.1
70°-80°	1061.3	16.1
80°-90°	154.6	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°	6610.4	100.0
0°-180°	6610.4	100.0



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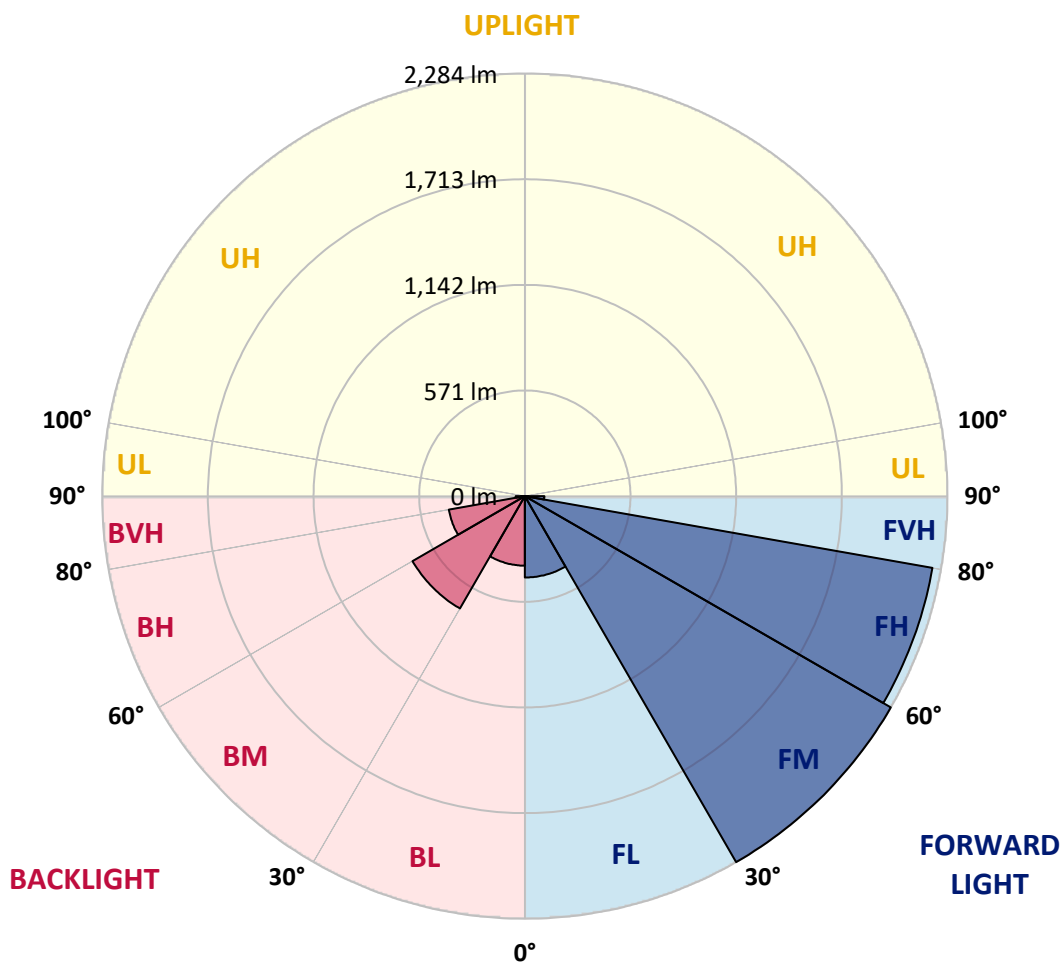
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	439.8	6.7			
FM (30°-60°)	2284.4	34.6			
FH (60°-80°)	2237.2	33.8			G2/5000
FVH (80°-90°)	105.3	1.6			G2/225
BL (0°-30°)	375.9	5.7	B1/500		
BM (30°-60°)	701.2	10.6	B1/1000		
BH (60°-80°)	417.4	6.3	B1/500		G1/500
BVH (80°-90°)	49.3	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°	780.2	780.2	780.2	780.2	780.2	780.2	780.2	780.2	780.2	780.2	780.2
2.5°	765.8	768.2	773.0	770.6	770.6	763.4	775.4	777.8	773.0	775.4	780.2
5°	765.8	770.6	777.8	773.0	775.4	773.0	768.2	775.4	775.4	777.8	785.1
7.5°	806.7	804.3	804.3	797.1	794.7	792.3	794.7	794.7	789.9	792.3	792.3
10°	852.5	852.5	847.7	847.7	842.9	830.8	818.8	816.4	809.1	811.5	811.5
12.5°	900.6	905.5	910.3	895.8	891.0	871.7	864.5	850.1	850.1	845.3	842.9
15°	960.9	953.6	958.4	953.6	941.6	922.3	910.3	912.7	895.8	891.0	883.8
17.5°	1013.8	1016.2	1009.0	1004.2	982.5	968.1	970.5	968.1	946.4	939.2	927.1
20°	1076.4	1074.0	1074.0	1059.6	1040.3	1021.1	1013.8	1011.4	1016.2	1001.8	972.9
22.5°	1141.5	1131.8	1131.8	1119.8	1093.3	1081.3	1076.4	1066.8	1071.6	1059.6	1016.2
25°	1194.4	1194.4	1211.3	1187.2	1172.8	1148.7	1139.1	1141.5	1143.9	1119.8	1069.2
27.5°	1264.3	1252.2	1269.1	1257.1	1249.8	1223.3	1211.3	1218.5	1213.7	1187.2	1117.4
30°	1353.4	1355.8	1346.2	1329.3	1319.7	1300.4	1293.2	1286.0	1293.2	1259.5	1170.4
32.5°	1464.2	1471.4	1447.3	1428.0	1411.2	1391.9	1377.5	1370.2	1377.5	1326.9	1211.3
35°	1591.8	1599.0	1579.7	1558.1	1538.8	1490.6	1478.6	1466.6	1440.1	1358.2	1249.8
37.5°	1709.8	1700.2	1695.3	1695.3	1659.2	1589.4	1582.2	1574.9	1524.4	1420.8	1302.8
40°	1789.3	1801.3	1796.5	1791.7	1786.8	1721.8	1707.4	1695.3	1611.1	1514.7	1377.5
42.5°	1878.4	1871.1	1890.4	1897.6	1880.8	1861.5	1803.7	1762.8	1688.1	1611.1	1488.2
45°	1984.3	1979.5	1986.7	2013.2	1989.1	1996.4	1900.0	1871.1	1777.2	1731.5	1627.9
47.5°	2078.2	2090.3	2126.4	2133.6	2114.4	2148.1	2013.2	1967.5	1907.3	1871.1	1772.4
50°	2119.2	2133.6	2215.5	2266.1	2268.5	2321.5	2126.4	2107.1	2025.3	2039.7	1953.0
52.5°	2085.5	2131.2	2229.9	2362.4	2444.3	2497.2	2275.7	2266.1	2191.4	2237.2	2150.5
55°	2116.8	2160.1	2225.1	2410.6	2617.7	2629.7	2482.8	2446.7	2372.0	2434.6	2355.2
57.5°	2131.2	2107.1	2229.9	2463.5	2745.3	2776.6	2680.3	2653.8	2596.0	2656.2	2610.4
60°	2018.0	2046.9	2162.5	2449.1	2752.5	2933.1	2901.8	2863.3	2810.3	2865.7	2839.2
62.5°	1890.4	1909.7	2034.9	2362.4	2793.5	3046.3	3116.1	3087.2	3012.6	3060.8	3106.5
65°	1729.0	1731.5	1871.1	2208.3	2714.0	3111.3	3304.0	3301.6	3248.6	3236.5	3308.8
67.5°	1531.6	1550.8	1661.6	2044.5	2605.6	3183.6	3489.4	3525.5	3419.6	3325.7	3352.1
70°	1175.2	1194.4	1300.4	1676.1	2384.1	3161.9	3718.2	3737.4	3530.3	3291.9	3224.5
72.5°	611.7	616.5	724.9	1011.4	1690.5	2807.9	3802.5	3853.0	3559.2	3193.2	2875.3
75°	202.3	202.3	248.0	385.3	797.1	1796.5	3443.6	3535.2	3417.2	2947.6	2352.8
77.5°	120.4	122.8	146.9	192.7	317.9	717.6	2427.4	2588.8	2795.9	2506.9	1719.4
80°	86.7	89.1	110.8	132.4	190.2	231.2	1218.5	1442.5	1717.0	1613.5	917.5
82.5°	65.0	65.0	86.7	98.7	130.0	137.3	339.5	464.8	741.7	578.0	252.9
85°	67.4	67.4	67.4	69.8	89.1	79.5	142.1	151.7	216.7	190.2	69.8
87.5°	24.1	26.5	67.4	45.8	45.8	33.7	55.4	60.2	77.1	79.5	26.5
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°	780.2	780.2	780.2	780.2	780.2	780.2	780.2	780.2	780.2	780.2	780.2
2.5°	782.6	782.6	785.1	785.1	789.9	794.7	801.9	797.1	797.1	799.5	797.1
5°	780.2	782.6	789.9	801.9	806.7	809.1	823.6	823.6	823.6	828.4	828.4
7.5°	789.9	794.7	806.7	818.8	821.2	828.4	847.7	852.5	864.5	869.3	871.7
10°	814.0	821.2	830.8	845.3	854.9	864.5	879.0	895.8	893.4	907.9	910.3
12.5°	850.1	847.7	864.5	879.0	888.6	903.1	907.9	907.9	907.9	907.9	912.7
15°	879.0	883.8	898.2	907.9	919.9	917.5	907.9	898.2	900.6	898.2	898.2
17.5°	922.3	922.3	934.4	936.8	941.6	917.5	903.1	903.1	910.3	910.3	905.5
20°	965.7	963.3	968.1	965.7	934.4	905.5	903.1	905.5	907.9	905.5	903.1
22.5°	1006.6	1001.8	994.6	984.9	929.5	903.1	898.2	886.2	874.2	874.2	866.9
25°	1042.7	1037.9	1018.6	989.7	927.1	888.6	864.5	835.6	821.2	814.0	823.6
27.5°	1076.4	1066.8	1040.3	989.7	905.5	850.1	804.3	768.2	756.2	746.5	756.2
30°	1122.2	1105.3	1069.2	982.5	871.7	789.9	727.3	683.9	671.9	657.4	662.2
32.5°	1163.1	1124.6	1093.3	960.9	828.4	722.4	650.2	606.9	585.2	573.1	582.8
35°	1206.5	1168.0	1102.9	927.1	761.0	640.6	568.3	527.4	510.5	493.7	493.7
37.5°	1249.8	1228.2	1117.4	864.5	679.1	563.5	498.5	467.2	438.3	407.0	407.0
40°	1341.3	1312.4	1134.2	792.3	597.2	488.9	443.1	402.2	373.3	329.9	327.5
42.5°	1437.7	1375.1	1134.2	705.6	525.0	435.9	392.5	349.2	296.2	269.7	272.1
45°	1560.5	1488.2	1102.9	628.5	452.7	392.5	344.4	289.0	264.9	248.0	248.0
47.5°	1714.6	1601.4	1064.4	544.2	394.9	354.0	293.8	260.1	243.2	228.8	226.4
50°	1897.6	1705.0	1016.2	472.0	346.8	317.9	267.3	240.8	226.4	216.7	216.7
52.5°	2090.3	1856.7	982.5	407.0	308.2	269.7	248.0	231.2	219.1	211.9	209.5
55°	2285.3	2008.4	958.4	337.1	272.1	248.0	243.2	228.8	224.0	216.7	211.9
57.5°	2504.5	2133.6	953.6	289.0	243.2	238.4	248.0	236.0	228.8	221.5	214.3
60°	2740.5	2302.2	910.3	250.4	228.8	233.6	240.8	228.8	224.0	216.7	211.9
62.5°	2974.1	2427.4	792.3	221.5	214.3	219.1	228.8	219.1	211.9	214.3	216.7
65°	3070.4	2437.0	614.1	199.9	197.5	199.9	214.3	211.9	204.7	219.1	219.1
67.5°	2974.1	2350.4	433.5	180.6	180.6	192.7	216.7	221.5	214.3	233.6	231.2
70°	2754.9	2136.0	293.8	168.6	173.4	204.7	224.0	219.1	209.5	233.6	228.8
72.5°	2338.3	1709.8	214.3	156.5	163.8	195.1	221.5	216.7	209.5	219.1	209.5
75°	1755.5	1216.1	168.6	142.1	144.5	175.8	228.8	216.7	197.5	192.7	185.4
77.5°	1172.8	751.3	130.0	125.2	125.2	154.1	219.1	202.3	178.2	171.0	168.6
80°	558.7	301.0	103.6	106.0	108.4	132.4	199.9	180.6	161.3	151.7	151.7
82.5°	178.2	113.2	86.7	86.7	86.7	108.4	166.2	151.7	139.7	132.4	120.4
85°	62.6	62.6	74.7	77.1	69.8	79.5	137.3	130.0	115.6	96.3	93.9
87.5°	24.1	36.1	50.6	60.2	43.3	55.4	98.7	91.5	84.3	62.6	60.2
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)