

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: P675224

Luminaire Tested: **CCW-SA-1C-722-U-T4W**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675224
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-722-U-T4W
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
T4W distribution lens
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3359.7 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G1

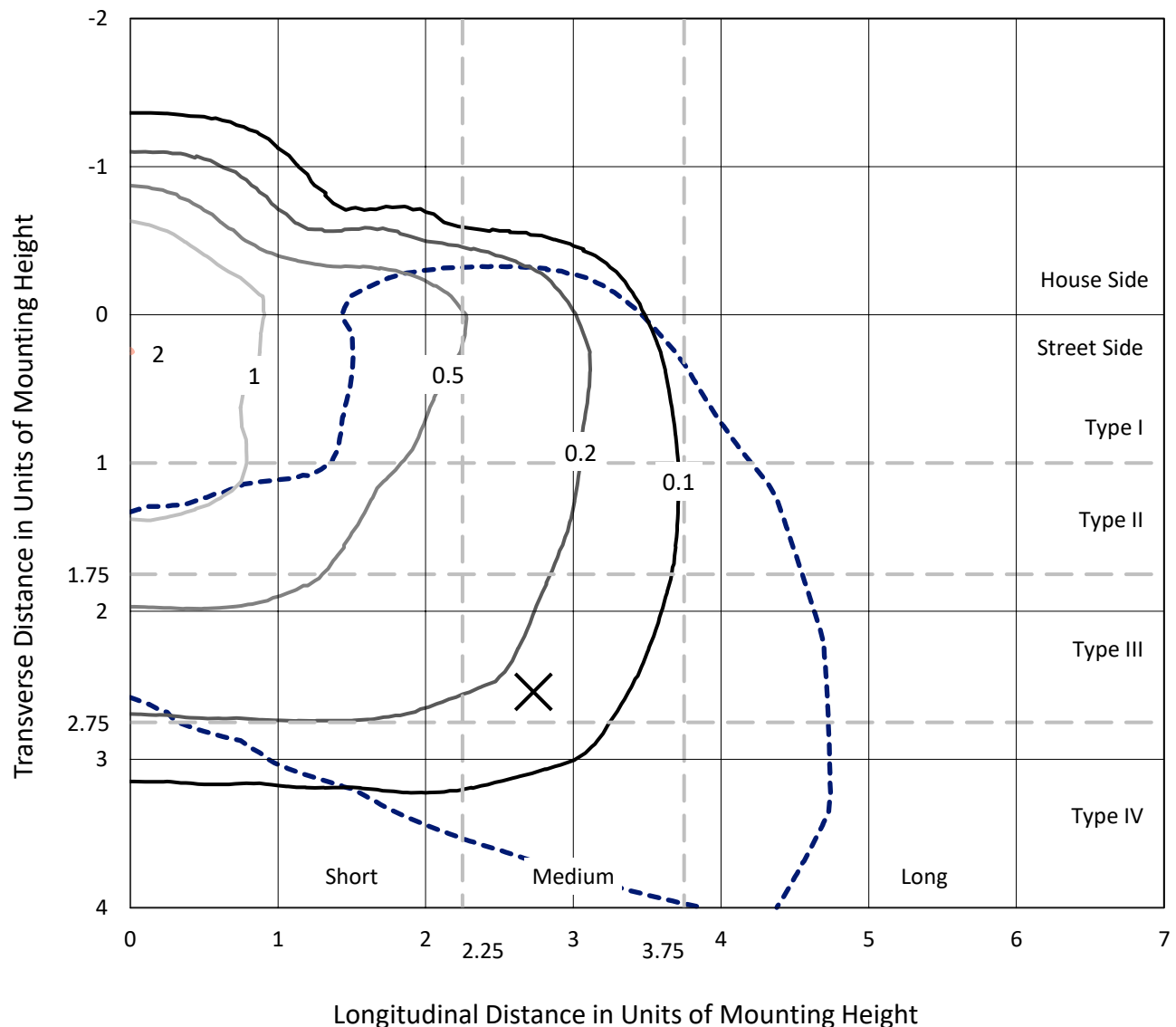
Input Watts (W): 32
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

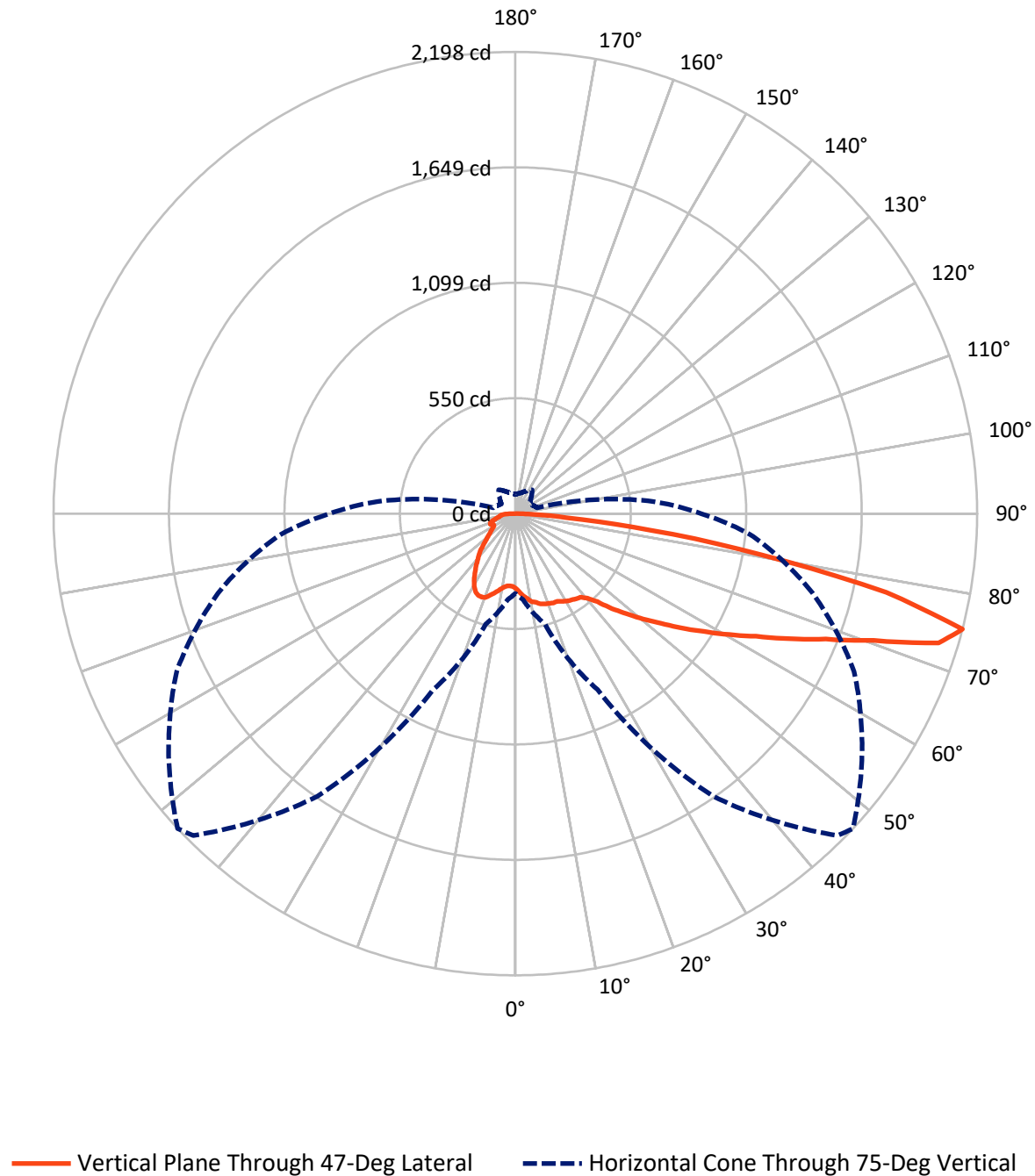
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2 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	803.5	0.0	803.5
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	2556.3	0.0	2556.3
	% Fixture	76.1	0.0	76.1
Total	Lumens	3359.7	0.0	3359.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.1	1.1
10°-20°	119.8	3.6
20°-30°	205.1	6.1
30°-40°	287.0	8.5
40°-50°	400.2	11.9
50°-60°	598.2	17.8
60°-70°	862.4	25.7
70°-80°	734.1	21.8
80°-90°	116.9	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°	3359.7	100.0
0°-180°	3359.7	100.0



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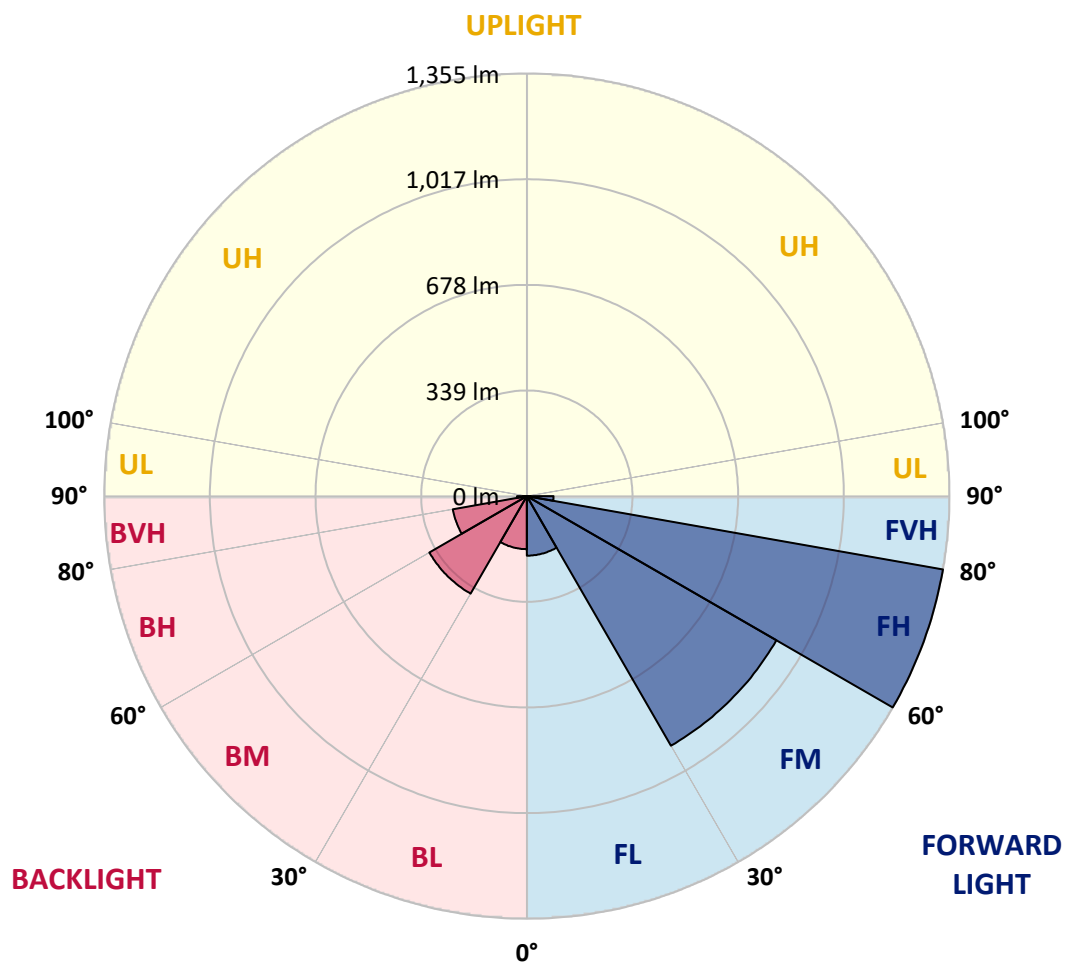
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	190.9	5.7			
FM	(30°-60°)	924.2	27.5			
FH	(60°-80°)	1355.5	40.3			G1/1800
FVH	(80°-90°)	85.7	2.6			G1/100
BL	(0°-30°)	170.1	5.1	B1/500		
BM	(30°-60°)	361.1	10.7	B1/1000		
BH	(60°-80°)	241.0	7.2	B1/500		G1/500
BVH	(80°-90°)	31.3	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	356.7	356.7	356.7	356.7	356.7	356.7	356.7	356.7	356.7	356.7	356.7
2.5°	382.5	383.7	383.7	381.3	378.8	373.9	373.9	369.0	366.5	360.4	358.0
5°	418.0	414.4	410.7	409.4	403.3	394.7	393.5	388.6	375.1	369.0	360.4
7.5°	443.8	442.5	441.3	436.4	425.4	411.9	408.2	400.9	387.4	375.1	365.3
10°	464.6	469.5	464.6	453.6	442.5	427.8	426.6	413.1	400.9	386.2	373.9
12.5°	487.9	489.1	480.5	467.1	449.9	437.6	432.7	427.8	414.4	402.1	383.7
15°	503.8	501.4	495.3	476.9	457.3	445.0	446.2	440.1	425.4	416.8	397.2
17.5°	503.8	503.8	494.0	480.5	463.4	452.4	452.4	448.7	438.9	426.6	413.1
20°	494.0	494.0	487.9	480.5	460.9	458.5	456.0	453.6	453.6	442.5	422.9
22.5°	481.8	479.3	481.8	469.5	456.0	458.5	462.2	460.9	457.3	447.5	434.0
25°	469.5	470.7	473.2	464.6	452.4	463.4	462.2	468.3	465.8	458.5	447.5
27.5°	468.3	470.7	472.0	463.4	458.5	468.3	473.2	479.3	480.5	473.2	459.7
30°	486.7	485.5	484.2	473.2	469.5	478.1	483.0	491.6	498.9	483.0	472.0
32.5°	534.5	527.1	519.8	490.4	479.3	485.5	490.4	502.6	503.8	495.3	479.3
35°	610.5	605.6	581.1	529.6	498.9	492.8	497.7	506.3	508.7	502.6	490.4
37.5°	697.5	695.1	660.8	598.2	539.4	510.0	505.1	517.3	527.1	513.6	496.5
40°	783.3	773.5	749.0	687.7	590.9	535.7	529.6	535.7	539.4	529.6	518.6
42.5°	860.6	849.5	843.4	782.1	658.3	578.6	573.7	559.0	570.0	557.8	543.1
45°	925.5	923.1	920.6	867.9	735.5	648.5	644.8	606.8	619.1	609.3	588.4
47.5°	972.1	983.2	979.5	950.1	823.8	723.3	712.2	663.2	681.6	671.8	650.9
50°	1027.3	1033.4	1029.7	1010.1	905.9	809.1	788.2	738.0	758.8	757.6	746.6
52.5°	1076.3	1094.7	1073.9	1072.7	1023.6	902.3	866.7	818.9	853.2	866.7	865.5
55°	1133.9	1148.7	1142.5	1140.1	1129.0	993.0	961.1	903.5	961.1	980.7	997.9
57.5°	1183.0	1181.8	1205.1	1233.2	1246.7	1097.2	1059.2	991.7	1078.8	1100.8	1148.7
60°	1205.1	1225.9	1265.1	1336.2	1374.2	1208.7	1169.5	1115.6	1197.7	1214.9	1303.1
62.5°	1219.8	1238.1	1314.2	1434.3	1456.4	1322.7	1286.0	1232.0	1327.6	1339.9	1471.1
65°	1179.3	1196.5	1347.3	1471.1	1549.5	1445.3	1436.7	1380.4	1457.6	1464.9	1647.6
67.5°	1132.7	1151.1	1319.1	1517.7	1673.3	1608.4	1594.9	1527.5	1586.3	1577.7	1782.4
70°	1050.6	1075.1	1246.7	1558.1	1810.6	1836.4	1809.4	1713.8	1719.9	1639.0	1788.6
72.5°	800.5	816.4	975.8	1397.5	1874.4	2152.7	2106.1	1914.8	1845.0	1651.3	1578.9
75°	380.0	409.4	544.3	924.3	1642.7	2167.4	2198.0	2014.1	1778.8	1464.9	1119.2
77.5°	110.3	110.3	165.5	392.3	1029.7	1746.9	1804.5	1710.1	1467.4	1084.9	588.4
80°	60.1	63.7	87.0	138.5	452.4	1102.1	1185.4	1133.9	864.3	429.1	152.0
82.5°	34.3	35.6	57.6	83.4	205.9	599.5	648.5	588.4	328.5	129.9	71.1
85°	19.6	20.8	33.1	55.2	122.6	220.7	240.3	208.4	132.4	87.0	35.6
87.5°	9.8	9.8	15.9	25.7	62.5	62.5	61.3	74.8	79.7	52.7	15.9
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°	356.7	356.7	356.7	356.7	356.7	356.7	356.7	356.7	356.7	356.7	356.7
2.5°	356.7	355.5	355.5	350.6	349.4	345.7	345.7	343.2	342.0	345.7	345.7
5°	358.0	351.8	350.6	345.7	346.9	344.5	349.4	346.9	345.7	345.7	344.5
7.5°	360.4	354.3	349.4	345.7	344.5	348.2	354.3	354.3	361.6	358.0	358.0
10°	366.5	362.9	356.7	354.3	354.3	358.0	365.3	370.2	376.3	376.3	372.7
12.5°	381.3	375.1	367.8	364.1	369.0	372.7	380.0	384.9	392.3	394.7	392.3
15°	392.3	386.2	383.7	381.3	384.9	389.8	396.0	400.9	409.4	411.9	410.7
17.5°	407.0	399.6	398.4	399.6	402.1	405.8	409.4	413.1	419.3	419.3	419.3
20°	414.4	411.9	410.7	414.4	419.3	424.2	421.7	419.3	418.0	420.5	419.3
22.5°	427.8	425.4	426.6	430.3	430.3	427.8	424.2	415.6	413.1	415.6	413.1
25°	440.1	437.6	437.6	435.2	434.0	425.4	418.0	410.7	402.1	405.8	404.5
27.5°	452.4	451.1	451.1	441.3	429.1	414.4	404.5	396.0	391.1	397.2	393.5
30°	467.1	468.3	462.2	438.9	409.4	393.5	382.5	381.3	380.0	383.7	382.5
32.5°	480.5	481.8	472.0	435.2	394.7	364.1	353.1	354.3	360.4	366.5	372.7
35°	487.9	494.0	481.8	422.9	365.3	331.0	318.7	329.8	340.8	349.4	355.5
37.5°	501.4	517.3	496.5	409.4	339.6	301.6	293.0	296.7	310.2	323.6	329.8
40°	521.0	539.4	500.2	383.7	305.2	272.1	267.2	268.5	273.4	282.0	288.1
42.5°	555.3	574.9	503.8	350.6	270.9	253.8	240.3	236.6	232.9	232.9	231.7
45°	605.6	624.0	498.9	308.9	236.6	224.3	214.5	205.9	196.1	180.2	182.7
47.5°	679.1	693.9	502.6	272.1	204.7	194.9	187.6	177.8	163.0	145.9	144.7
50°	790.7	768.6	497.7	234.1	181.4	172.9	166.7	153.2	136.1	123.8	122.6
52.5°	920.6	876.5	492.8	202.3	161.8	154.5	149.6	134.8	118.9	112.8	111.6
55°	1077.6	1013.8	500.2	174.1	147.1	141.0	136.1	122.6	110.3	105.4	104.2
57.5°	1262.7	1162.1	540.6	152.0	131.2	128.7	127.5	116.5	105.4	101.7	100.5
60°	1436.7	1304.3	567.6	136.1	116.5	118.9	121.4	116.5	104.2	101.7	101.7
62.5°	1582.6	1422.0	524.7	122.6	109.1	116.5	127.5	123.8	118.9	121.4	118.9
65°	1711.3	1462.5	392.3	115.2	105.4	122.6	141.0	139.8	128.7	131.2	129.9
67.5°	1733.4	1413.5	256.2	109.1	103.0	134.8	158.1	143.4	121.4	121.4	117.7
70°	1641.5	1282.3	171.6	103.0	101.7	134.8	161.8	134.8	114.0	114.0	109.1
72.5°	1347.3	1024.8	132.4	96.8	93.2	120.1	153.2	127.5	106.7	104.2	95.6
75°	885.1	660.8	107.9	91.9	80.9	105.4	138.5	117.7	101.7	94.4	90.7
77.5°	434.0	296.7	90.7	80.9	69.9	91.9	126.3	111.6	95.6	88.3	85.8
80°	118.9	106.7	76.0	71.1	58.8	79.7	118.9	106.7	89.5	82.1	78.5
82.5°	67.4	66.2	61.3	57.6	49.0	79.7	120.1	106.7	84.6	83.4	71.1
85°	36.8	39.2	44.1	42.9	38.0	71.1	114.0	93.2	68.6	57.6	57.6
87.5°	14.7	18.4	22.1	24.5	25.7	52.7	85.8	71.1	52.7	44.1	44.1
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)