

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: P674807

Luminaire Tested: **CCW-SA-2A-727-U-T2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674807
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2A-727-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
T2 distribution lens
Light Source: (32) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4564.5 lumens
Efficiency: N/A
Efficacy: 126.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

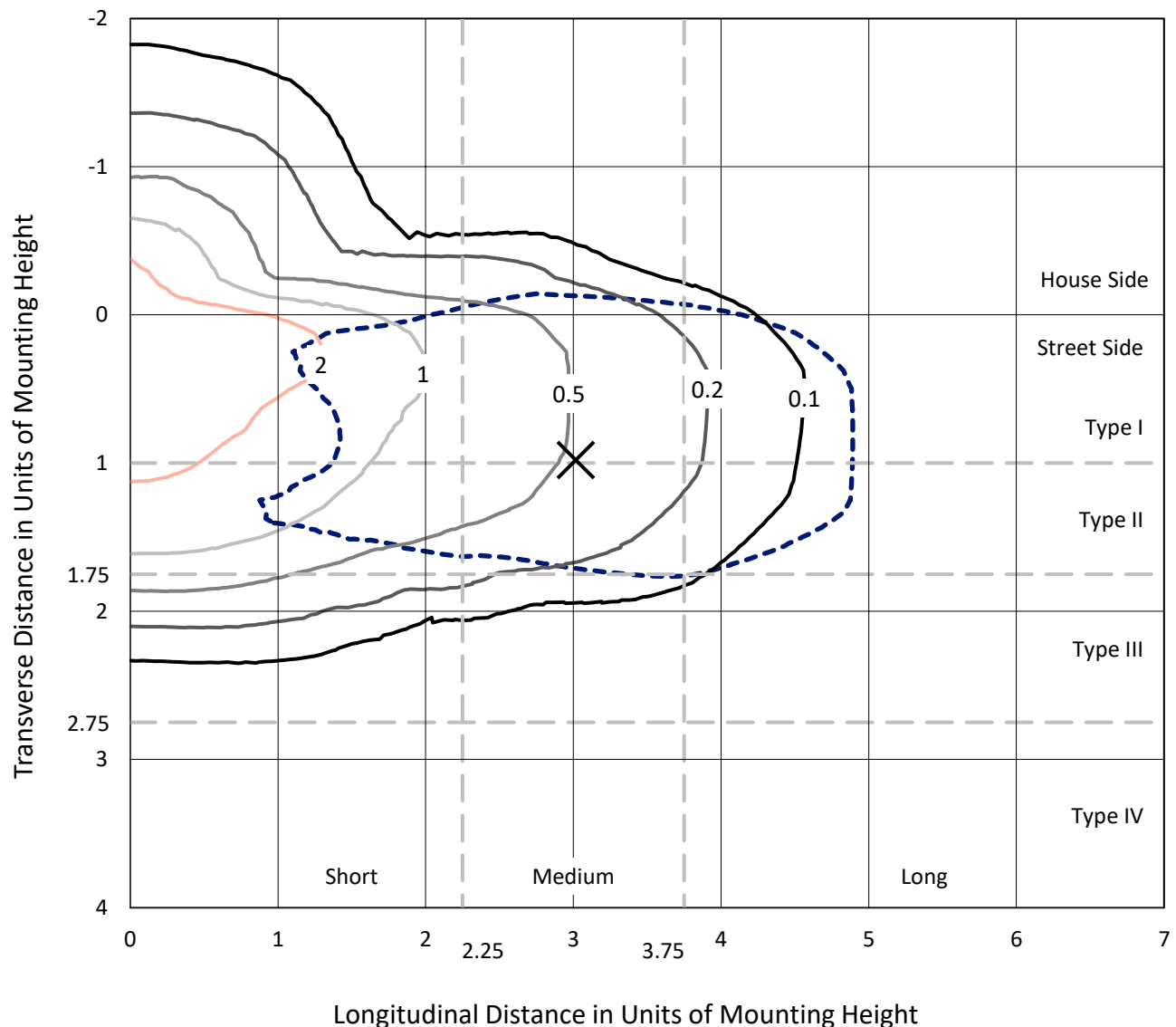
Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

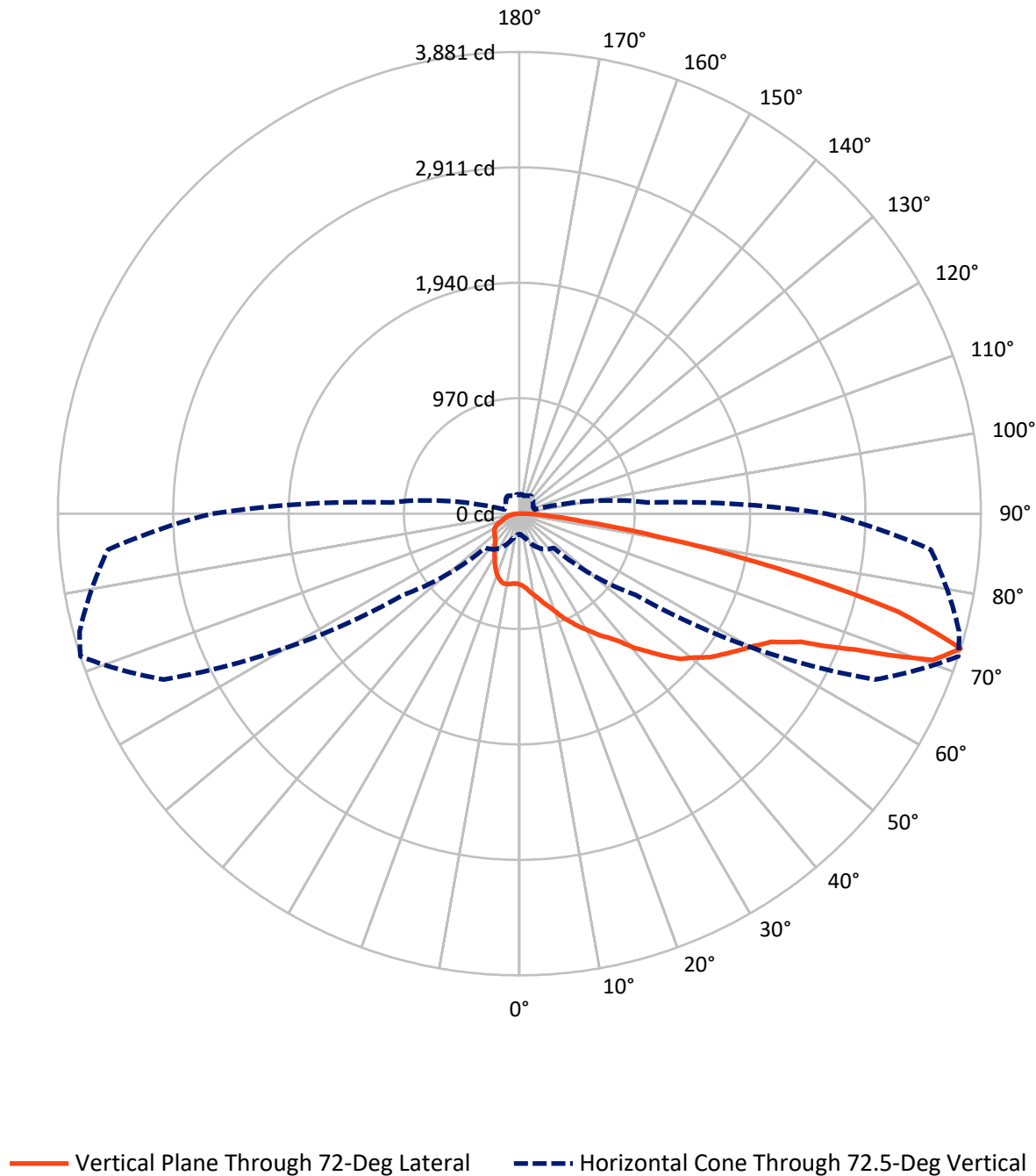


Based on 15 foot mounting height. Maximum calculated value = 3.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	960.6	0.0	960.6
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	3603.9	0.0	3603.9
	% Fixture	79.0	0.0	79.0
Total	Lumens	4564.5	0.0	4564.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.9	1.3
10°-20°	183.2	4.0
20°-30°	317.0	6.9
30°-40°	468.2	10.3
40°-50°	696.2	15.3
50°-60°	954.5	20.9
60°-70°	1035.3	22.7
70°-80°	729.9	16.0
80°-90°	121.3	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°	4564.5	100.0
0°-180°	4564.5	100.0

Coefficient of Utilization



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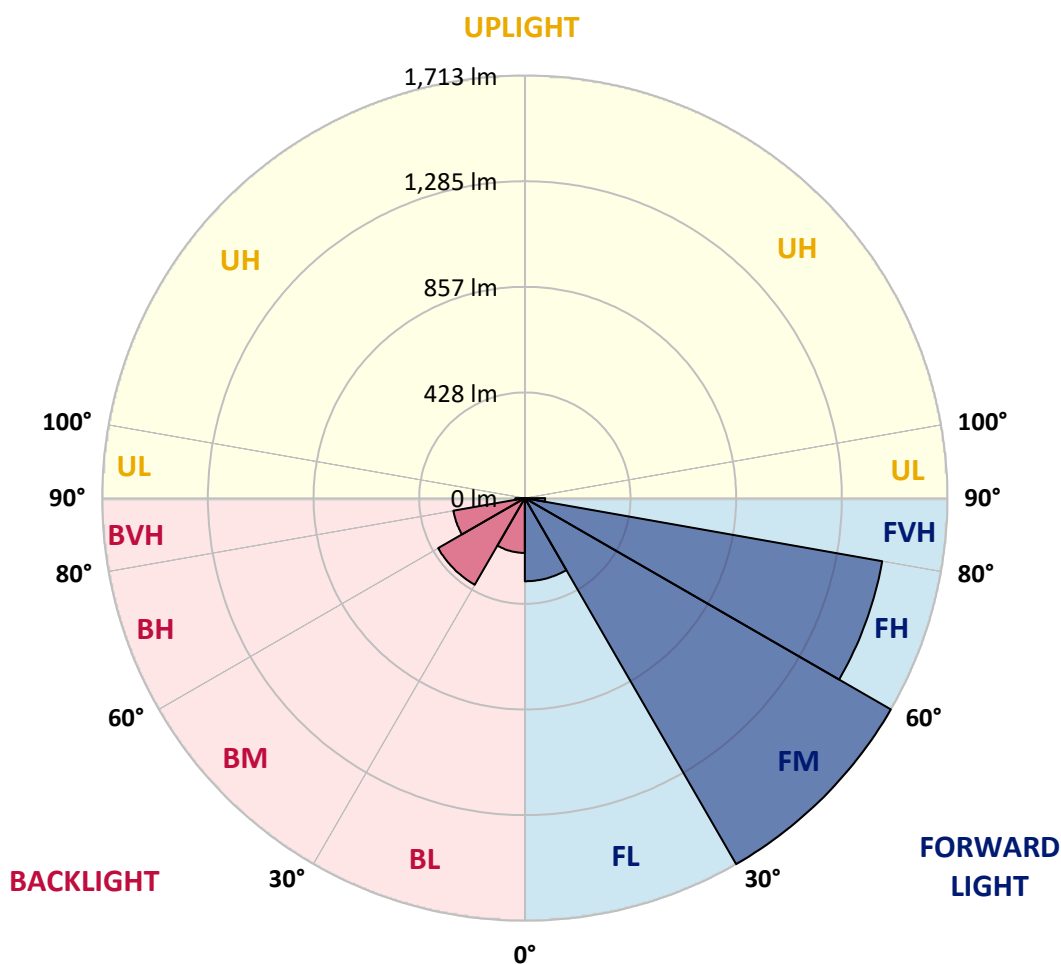
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	337.1	7.4			
FM	(30°-60°)	1713.2	37.5			
FH	(60°-80°)	1471.0	32.2			G1/1800
FVH	(80°-90°)	82.7	1.8			G1/100
BL	(0°-30°)	222.0	4.9	B1/500		
BM	(30°-60°)	405.7	8.9	B1/1000		
BH	(60°-80°)	294.3	6.4	B1/500		G1/500
BVH	(80°-90°)	38.6	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-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	596.3	596.3	596.3	596.3	596.3	596.3	596.3	596.3	596.3	596.3	596.3
2.5°	643.4	643.4	638.4	636.7	636.7	623.2	624.9	616.5	609.7	609.7	603.0
5°	677.1	673.7	673.7	673.7	665.3	660.3	658.6	643.4	631.6	633.3	613.1
7.5°	685.5	687.2	688.9	697.3	692.3	695.6	692.3	675.4	667.0	658.6	640.0
10°	690.6	693.9	693.9	705.7	705.7	714.2	719.2	712.5	697.3	688.9	658.6
12.5°	702.4	697.3	704.0	712.5	720.9	736.1	751.2	744.5	734.4	724.3	690.6
15°	702.4	704.0	709.1	722.6	736.1	751.2	778.2	788.3	783.2	764.7	729.3
17.5°	682.2	677.1	700.7	725.9	751.2	769.7	805.1	828.7	825.3	818.6	764.7
20°	683.8	688.9	697.3	719.2	759.6	793.3	837.1	875.8	884.3	880.9	811.8
22.5°	714.2	715.8	724.3	734.4	766.4	810.2	875.8	938.2	953.3	944.9	864.1
25°	744.5	757.9	757.9	764.7	776.5	822.0	901.1	988.7	1010.6	1012.3	918.0
27.5°	793.3	796.7	806.8	810.2	820.3	847.2	929.7	1025.8	1076.3	1069.5	966.8
30°	850.6	852.3	859.0	855.6	857.3	891.0	956.7	1067.9	1136.9	1138.6	1019.0
32.5°	918.0	931.4	934.8	912.9	916.3	924.7	998.8	1118.4	1212.7	1200.9	1064.5
35°	1017.3	1022.4	1012.3	1002.2	976.9	971.9	1042.6	1168.9	1278.4	1291.9	1131.9
37.5°	1140.3	1153.8	1140.3	1086.4	1059.4	1039.2	1096.5	1224.5	1357.6	1403.0	1199.2
40°	1254.8	1253.1	1239.7	1190.8	1143.7	1128.5	1174.0	1302.0	1480.5	1524.3	1296.9
42.5°	1347.5	1342.4	1334.0	1296.9	1253.1	1227.9	1263.2	1382.8	1583.3	1667.5	1409.8
45°	1428.3	1421.6	1423.3	1381.1	1339.0	1352.5	1352.5	1475.5	1704.5	1809.0	1539.5
47.5°	1504.1	1507.5	1502.4	1470.4	1438.4	1473.8	1455.3	1581.6	1824.1	1940.3	1649.0
50°	1591.7	1598.4	1581.6	1561.4	1532.7	1568.1	1544.5	1681.0	1901.6	2059.9	1780.3
52.5°	1674.2	1681.0	1696.1	1670.9	1642.2	1670.9	1617.0	1773.6	2004.3	2176.2	1881.4
55°	1694.4	1691.1	1775.3	1802.2	1817.4	1731.5	1681.0	1852.8	2085.2	2250.3	1995.9
57.5°	1601.8	1610.2	1724.8	1802.2	1963.9	1889.8	1753.4	1945.4	2169.4	2348.0	2102.0
60°	1371.0	1376.1	1519.3	1702.9	1938.7	2038.0	1948.8	2065.0	2262.1	2430.5	2221.6
62.5°	916.3	955.0	1133.6	1421.6	1760.1	2078.5	2260.4	2267.1	2374.9	2534.9	2385.0
65°	483.4	501.9	641.7	874.2	1334.0	1938.7	2553.4	2668.0	2600.6	2726.9	2620.8
67.5°	316.7	323.4	399.2	530.6	769.7	1414.8	2587.1	3363.6	3053.7	3092.4	2998.1
70°	235.8	239.2	294.8	392.4	476.7	756.3	2120.6	3688.7	3687.0	3584.2	3446.1
72.5°	173.5	178.5	217.3	299.8	367.2	407.6	1192.5	3299.6	3880.7	3828.5	3473.1
75°	136.4	139.8	160.0	232.4	296.4	267.8	604.7	2444.0	3291.2	3542.1	3178.3
77.5°	111.2	114.5	126.3	168.4	237.5	207.2	289.7	1576.5	2231.7	2550.1	2432.2
80°	92.6	92.6	101.1	119.6	183.6	156.6	171.8	886.0	1202.6	1327.2	1103.2
82.5°	79.2	77.5	84.2	87.6	136.4	112.8	111.2	400.9	528.9	560.9	414.3
85°	50.5	52.2	79.2	75.8	89.3	77.5	62.3	190.3	249.3	254.3	155.0
87.5°	20.2	20.2	33.7	42.1	50.5	47.2	30.3	85.9	109.5	109.5	43.8
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°	596.3	596.3	596.3	596.3	596.3	596.3	596.3	596.3	596.3	596.3	596.3
2.5°	601.3	594.6	589.5	586.1	577.7	569.3	571.0	569.3	562.6	559.2	559.2
5°	608.0	601.3	592.9	579.4	571.0	560.9	564.2	557.5	550.8	555.8	547.4
7.5°	624.9	613.1	601.3	581.1	567.6	552.5	545.7	542.4	537.3	533.9	533.9
10°	648.5	631.6	609.7	579.4	557.5	533.9	530.6	523.8	518.8	518.8	517.1
12.5°	672.0	653.5	616.5	567.6	530.6	513.7	512.0	513.7	517.1	518.8	520.5
15°	702.4	672.0	614.8	545.7	508.7	501.9	510.4	517.1	523.8	530.6	528.9
17.5°	731.0	695.6	599.6	518.8	490.1	491.8	507.0	520.5	533.9	540.7	542.4
20°	769.7	717.5	577.7	486.8	471.6	486.8	507.0	523.8	539.0	547.4	549.1
22.5°	813.5	742.8	549.1	458.1	456.5	471.6	491.8	517.1	533.9	549.1	547.4
25°	852.3	759.6	512.0	434.6	437.9	448.0	471.6	498.6	515.4	532.2	527.2
27.5°	877.5	763.0	473.3	417.7	417.7	427.8	449.7	466.6	481.7	495.2	496.9
30°	906.2	756.3	429.5	395.8	395.8	409.3	417.7	427.8	436.2	439.6	443.0
32.5°	939.9	741.1	402.6	379.0	379.0	389.1	394.1	390.8	389.1	380.7	385.7
35°	971.9	719.2	372.2	357.1	363.8	368.9	367.2	357.1	347.0	331.8	326.8
37.5°	1010.6	697.3	345.3	333.5	345.3	347.0	347.0	335.2	321.7	303.2	303.2
40°	1069.5	680.5	323.4	318.3	330.1	328.4	320.0	311.6	316.7	306.5	306.5
42.5°	1131.9	673.7	303.2	304.9	309.9	311.6	303.2	293.1	313.3	301.5	303.2
45°	1209.3	678.8	289.7	288.0	299.8	298.1	293.1	284.7	291.4	261.1	252.6
47.5°	1281.8	688.9	283.0	276.2	289.7	293.1	286.3	267.8	257.7	239.2	235.8
50°	1347.5	710.8	276.2	262.8	276.2	283.0	271.2	251.0	239.2	227.4	227.4
52.5°	1409.8	742.8	272.9	247.6	259.4	267.8	261.1	240.9	227.4	222.3	217.3
55°	1473.8	771.4	267.8	237.5	240.9	257.7	256.0	229.1	215.6	215.6	213.9
57.5°	1564.7	810.2	261.1	220.6	227.4	245.9	245.9	224.0	208.9	210.5	212.2
60°	1657.4	855.6	254.3	203.8	208.9	234.1	237.5	217.3	203.8	205.5	203.8
62.5°	1805.6	939.9	240.9	183.6	193.7	219.0	227.4	208.9	197.1	200.4	200.4
65°	2029.6	1084.7	212.2	166.7	178.5	205.5	217.3	200.4	187.0	197.1	193.7
67.5°	2390.1	1283.5	178.5	153.3	168.4	192.0	205.5	190.3	178.5	193.7	188.6
70°	2713.5	1381.1	153.3	141.5	153.3	176.9	192.0	180.2	168.4	183.6	176.9
72.5°	2582.1	1083.0	133.1	128.0	139.8	160.0	178.5	166.7	155.0	163.4	156.6
75°	2228.4	862.4	116.2	114.5	124.6	144.9	163.4	155.0	143.2	146.5	143.2
77.5°	1689.4	712.5	99.4	97.7	106.1	129.7	146.5	139.8	128.0	126.3	126.3
80°	754.6	350.3	82.5	82.5	87.6	111.2	124.6	121.3	109.5	107.8	106.1
82.5°	247.6	133.1	67.4	64.0	70.7	92.6	111.2	107.8	96.0	92.6	89.3
85°	99.4	64.0	48.8	48.8	55.6	77.5	99.4	92.6	77.5	69.1	69.1
87.5°	33.7	26.9	25.3	25.3	35.4	52.2	74.1	62.3	55.6	48.8	50.5
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)