

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: P674804

Luminaire Tested: **CCW-SA-1D-727-U-T2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674804
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1D-727-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
T2 distribution lens
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4652.3 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

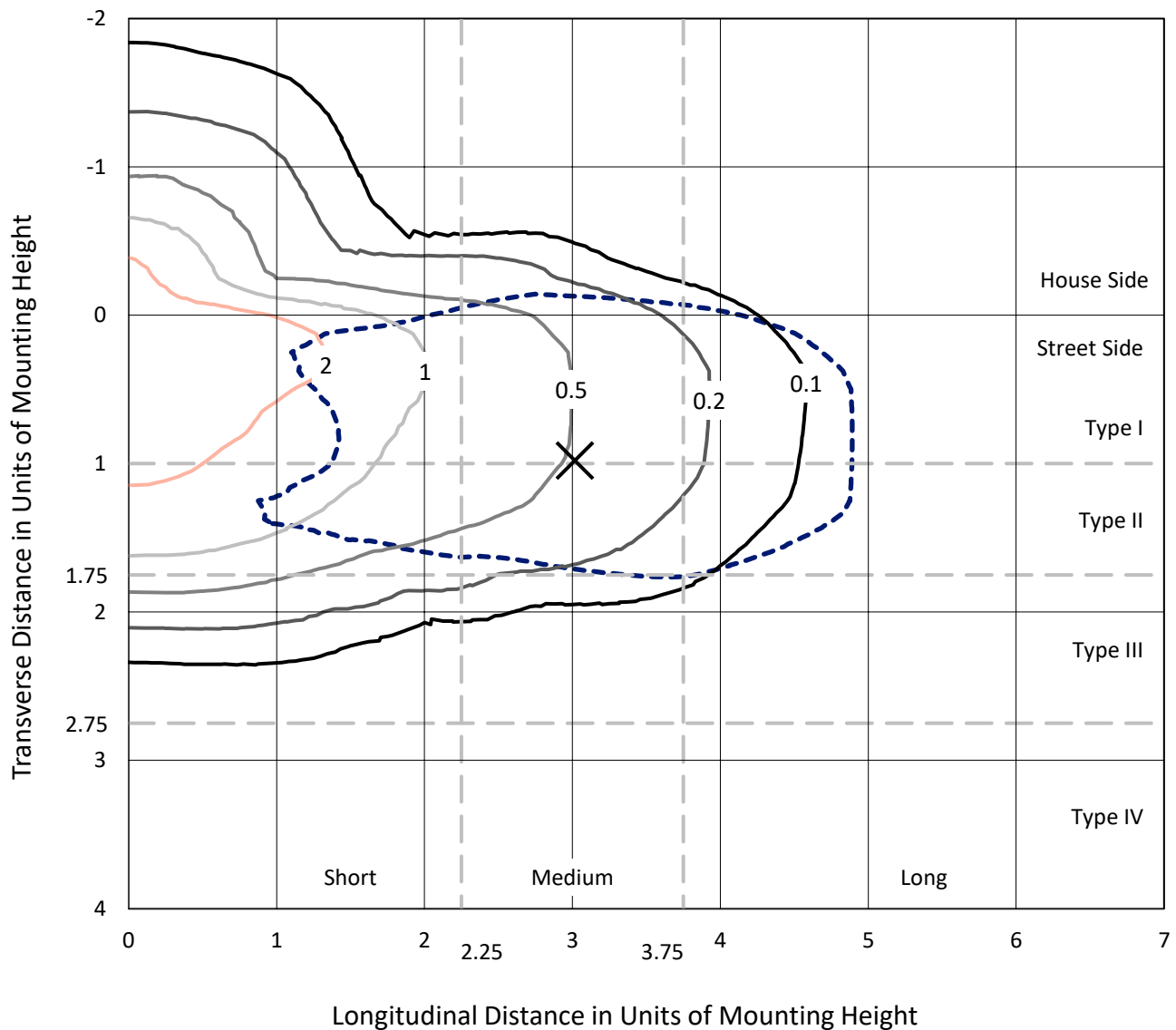
Input Watts (W): 44
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

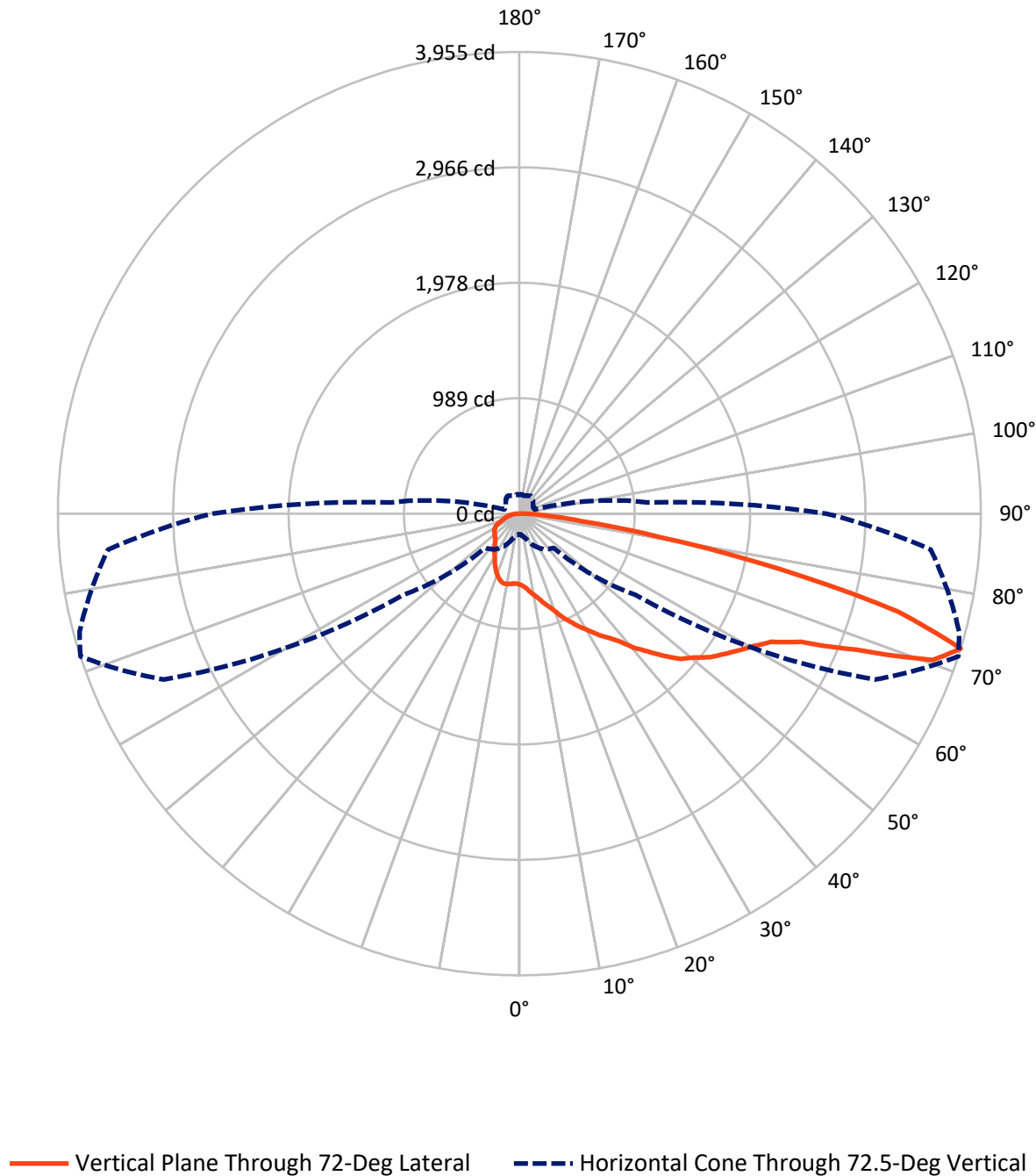
× Max cd
 --- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.4 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	979.1	0.0	979.1
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	3673.2	0.0	3673.2
	% Fixture	79.0	0.0	79.0
Total	Lumens	4652.3	0.0	4652.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.1	1.3
10°-20°	186.7	4.0
20°-30°	323.1	6.9
30°-40°	477.2	10.3
40°-50°	709.6	15.3
50°-60°	972.8	20.9
60°-70°	1055.3	22.7
70°-80°	744.0	16.0
80°-90°	123.6	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°	4652.3	100.0
0°-180°	4652.3	100.0

Coefficient of Utilization



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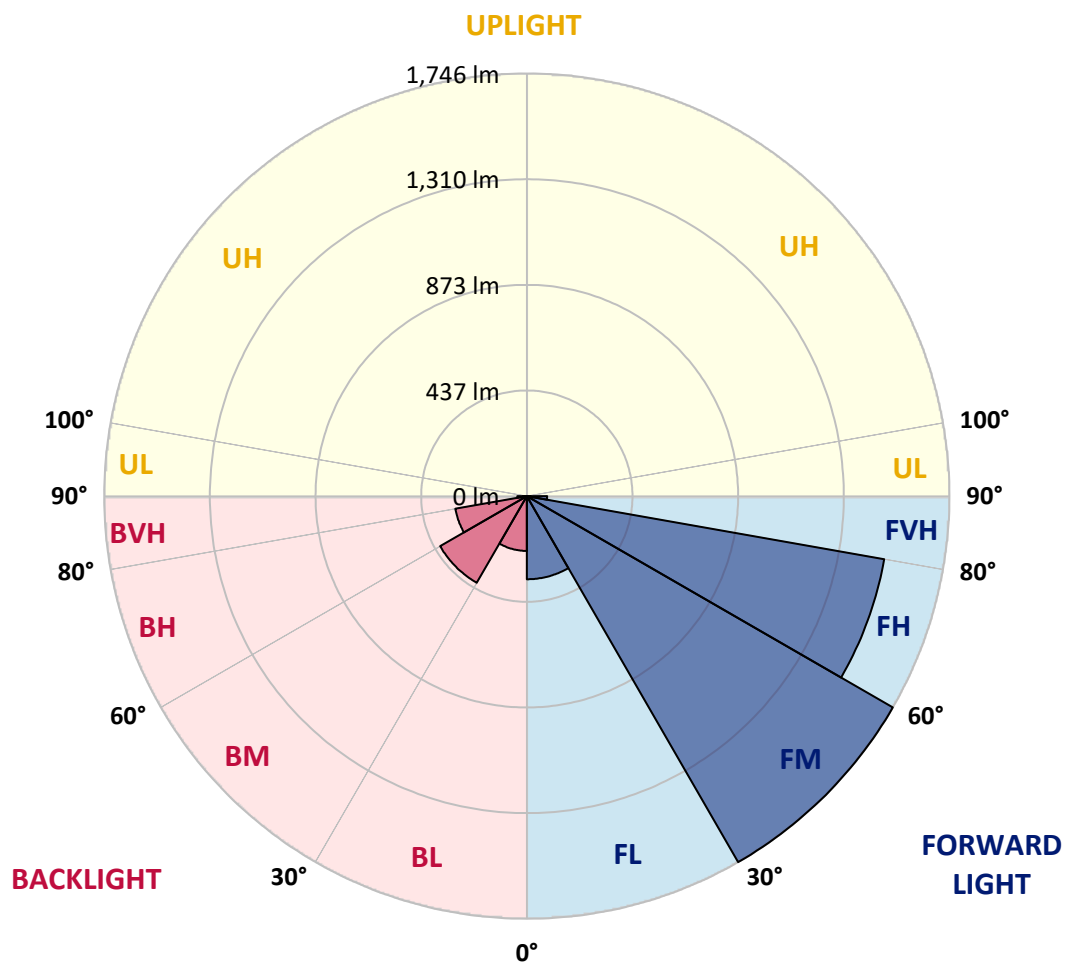
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	343.5	7.4			
FM	(30°-60°)	1746.1	37.5			
FH	(60°-80°)	1499.3	32.2			G1/1800
FVH	(80°-90°)	84.3	1.8			G1/100
BL	(0°-30°)	226.3	4.9	B1/500		
BM	(30°-60°)	413.5	8.9	B1/1000		
BH	(60°-80°)	299.9	6.4	B1/500		G1/500
BVH	(80°-90°)	39.3	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°	607.7	607.7	607.7	607.7	607.7	607.7	607.7	607.7	607.7	607.7	607.7
2.5°	655.8	655.8	650.6	648.9	648.9	635.2	636.9	628.3	621.5	621.5	614.6
5°	690.1	686.7	686.7	686.7	678.1	673.0	671.2	655.8	643.8	645.5	624.9
7.5°	698.7	700.4	702.1	710.7	705.6	709.0	705.6	688.4	679.8	671.2	652.4
10°	703.9	707.3	707.3	719.3	719.3	727.9	733.0	726.2	710.7	702.1	671.2
12.5°	715.9	710.7	717.6	726.2	734.8	750.2	765.7	758.8	748.5	738.2	703.9
15°	715.9	717.6	722.7	736.5	750.2	765.7	793.1	803.4	798.3	779.4	743.3
17.5°	695.3	690.1	714.2	739.9	765.7	784.5	820.6	844.6	841.2	834.3	779.4
20°	697.0	702.1	710.7	733.0	774.2	808.6	853.2	892.7	901.3	897.8	827.5
22.5°	727.9	729.6	738.2	748.5	781.1	825.7	892.7	956.2	971.7	963.1	880.7
25°	758.8	772.5	772.5	779.4	791.4	837.8	918.5	1007.7	1030.0	1031.8	935.6
27.5°	808.6	812.0	822.3	825.7	836.0	863.5	947.6	1045.5	1097.0	1090.1	985.4
30°	866.9	868.7	875.5	872.1	873.8	908.1	975.1	1088.4	1158.8	1160.5	1038.6
32.5°	935.6	949.4	952.8	930.5	933.9	942.5	1018.0	1139.9	1236.0	1224.0	1085.0
35°	1036.9	1042.1	1031.8	1021.5	995.7	990.6	1062.7	1191.4	1303.0	1316.7	1153.6
37.5°	1162.2	1176.0	1162.2	1107.3	1079.8	1059.2	1117.6	1248.1	1383.7	1430.0	1222.3
40°	1279.0	1277.2	1263.5	1213.7	1165.7	1150.2	1196.6	1327.0	1509.0	1553.6	1321.9
42.5°	1373.4	1368.2	1359.6	1321.9	1277.2	1251.5	1287.5	1409.4	1613.7	1699.6	1436.9
45°	1455.8	1448.9	1450.6	1407.7	1364.8	1378.5	1378.5	1503.9	1737.3	1843.8	1569.1
47.5°	1533.0	1536.5	1531.3	1498.7	1466.1	1502.1	1483.3	1612.0	1859.2	1977.7	1680.7
50°	1622.3	1629.2	1612.0	1591.4	1562.2	1598.3	1574.2	1713.3	1938.2	2099.6	1814.6
52.5°	1706.4	1713.3	1728.7	1703.0	1673.8	1703.0	1648.1	1807.7	2042.9	2218.0	1917.6
55°	1727.0	1723.6	1809.4	1836.9	1852.4	1764.8	1713.3	1888.4	2125.3	2293.6	2034.3
57.5°	1632.6	1641.2	1757.9	1836.9	2001.7	1926.2	1787.1	1982.8	2211.1	2393.1	2142.5
60°	1397.4	1402.6	1548.5	1735.6	1976.0	2077.2	1986.3	2104.7	2305.6	2477.2	2264.4
62.5°	933.9	973.4	1155.4	1448.9	1794.0	2118.4	2303.9	2310.7	2420.6	2583.7	2430.9
65°	492.7	511.6	654.1	891.0	1359.6	1976.0	2602.6	2719.3	2650.6	2779.4	2671.2
67.5°	322.7	329.6	406.9	540.8	784.5	1442.1	2636.9	3428.3	3112.4	3151.9	3055.8
70°	240.3	243.8	300.4	400.0	485.8	770.8	2161.4	3759.6	3757.9	3653.2	3512.4
72.5°	176.8	182.0	221.5	305.6	374.2	415.4	1215.4	3363.1	3955.3	3902.1	3539.9
75°	139.1	142.5	163.1	236.9	302.1	273.0	616.3	2491.0	3354.5	3610.3	3239.5
77.5°	113.3	116.7	128.8	171.7	242.1	211.2	295.3	1606.9	2274.7	2599.1	2479.0
80°	94.4	94.4	103.0	121.9	187.1	159.7	175.1	903.0	1225.7	1352.8	1124.5
82.5°	80.7	79.0	85.8	89.3	139.1	115.0	113.3	408.6	539.1	571.7	422.3
85°	51.5	53.2	80.7	77.3	91.0	79.0	63.5	194.0	254.1	259.2	157.9
87.5°	20.6	20.6	34.3	42.9	51.5	48.1	30.9	87.6	111.6	111.6	44.6
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°	607.7	607.7	607.7	607.7	607.7	607.7	607.7	607.7	607.7	607.7	607.7
2.5°	612.9	606.0	600.9	597.4	588.8	580.3	582.0	580.3	573.4	570.0	570.0
5°	619.7	612.9	604.3	590.6	582.0	571.7	575.1	568.2	561.4	566.5	557.9
7.5°	636.9	624.9	612.9	592.3	578.5	563.1	556.2	552.8	547.6	544.2	544.2
10°	660.9	643.8	621.5	590.6	568.2	544.2	540.8	533.9	528.8	528.8	527.0
12.5°	685.0	666.1	628.3	578.5	540.8	523.6	521.9	523.6	527.0	528.8	530.5
15°	715.9	685.0	626.6	556.2	518.5	511.6	520.2	527.0	533.9	540.8	539.1
17.5°	745.1	709.0	611.2	528.8	499.6	501.3	516.7	530.5	544.2	551.1	552.8
20°	784.5	731.3	588.8	496.1	480.7	496.1	516.7	533.9	549.4	557.9	559.7
22.5°	829.2	757.1	559.7	467.0	465.2	480.7	501.3	527.0	544.2	559.7	557.9
25°	868.7	774.2	521.9	442.9	446.3	456.7	480.7	508.2	525.3	542.5	537.3
27.5°	894.4	777.7	482.4	425.7	425.7	436.0	458.4	475.5	491.0	504.7	506.4
30°	923.6	770.8	437.8	403.4	403.4	417.2	425.7	436.0	444.6	448.1	451.5
32.5°	957.9	755.4	410.3	386.3	386.3	396.6	401.7	398.3	396.6	388.0	393.1
35°	990.6	733.0	379.4	363.9	370.8	376.0	374.2	363.9	353.6	338.2	333.0
37.5°	1030.0	710.7	351.9	339.9	351.9	353.6	353.6	341.6	327.9	309.0	309.0
40°	1090.1	693.6	329.6	324.5	336.5	334.8	326.2	317.6	322.7	312.4	312.4
42.5°	1153.6	686.7	309.0	310.7	315.9	317.6	309.0	298.7	319.3	307.3	309.0
45°	1232.6	691.8	295.3	293.6	305.6	303.9	298.7	290.1	297.0	266.1	257.5
47.5°	1306.4	702.1	288.4	281.5	295.3	298.7	291.8	273.0	262.7	243.8	240.3
50°	1373.4	724.5	281.5	267.8	281.5	288.4	276.4	255.8	243.8	231.8	231.8
52.5°	1436.9	757.1	278.1	252.4	264.4	273.0	266.1	245.5	231.8	226.6	221.5
55°	1502.1	786.3	273.0	242.1	245.5	262.7	260.9	233.5	219.7	219.7	218.0
57.5°	1594.8	825.7	266.1	224.9	231.8	250.6	250.6	228.3	212.9	214.6	216.3
60°	1689.3	872.1	259.2	207.7	212.9	238.6	242.1	221.5	207.7	209.4	207.7
62.5°	1840.3	957.9	245.5	187.1	197.4	223.2	231.8	212.9	200.9	204.3	204.3
65°	2068.7	1105.6	216.3	170.0	182.0	209.4	221.5	204.3	190.6	200.9	197.4
67.5°	2436.0	1308.1	182.0	156.2	171.7	195.7	209.4	194.0	182.0	197.4	192.3
70°	2765.7	1407.7	156.2	144.2	156.2	180.3	195.7	183.7	171.7	187.1	180.3
72.5°	2631.7	1103.9	135.6	130.5	142.5	163.1	182.0	170.0	157.9	166.5	159.7
75°	2271.2	879.0	118.5	116.7	127.0	147.6	166.5	157.9	145.9	149.4	145.9
77.5°	1721.9	726.2	101.3	99.6	108.2	132.2	149.4	142.5	130.5	128.8	128.8
80°	769.1	357.1	84.1	84.1	89.3	113.3	127.0	123.6	111.6	109.9	108.2
82.5°	252.4	135.6	68.7	65.2	72.1	94.4	113.3	109.9	97.9	94.4	91.0
85°	101.3	65.2	49.8	49.8	56.7	79.0	101.3	94.4	79.0	70.4	70.4
87.5°	34.3	27.5	25.8	25.8	36.1	53.2	75.5	63.5	56.7	49.8	51.5
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)