

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: P671963

Luminaire Tested: **CCP-SA-2C-735-U-AFL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671963
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-735-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ AFL
distribution lens
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8999.3 lumens
Efficiency: N/A
Efficacy: 144.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

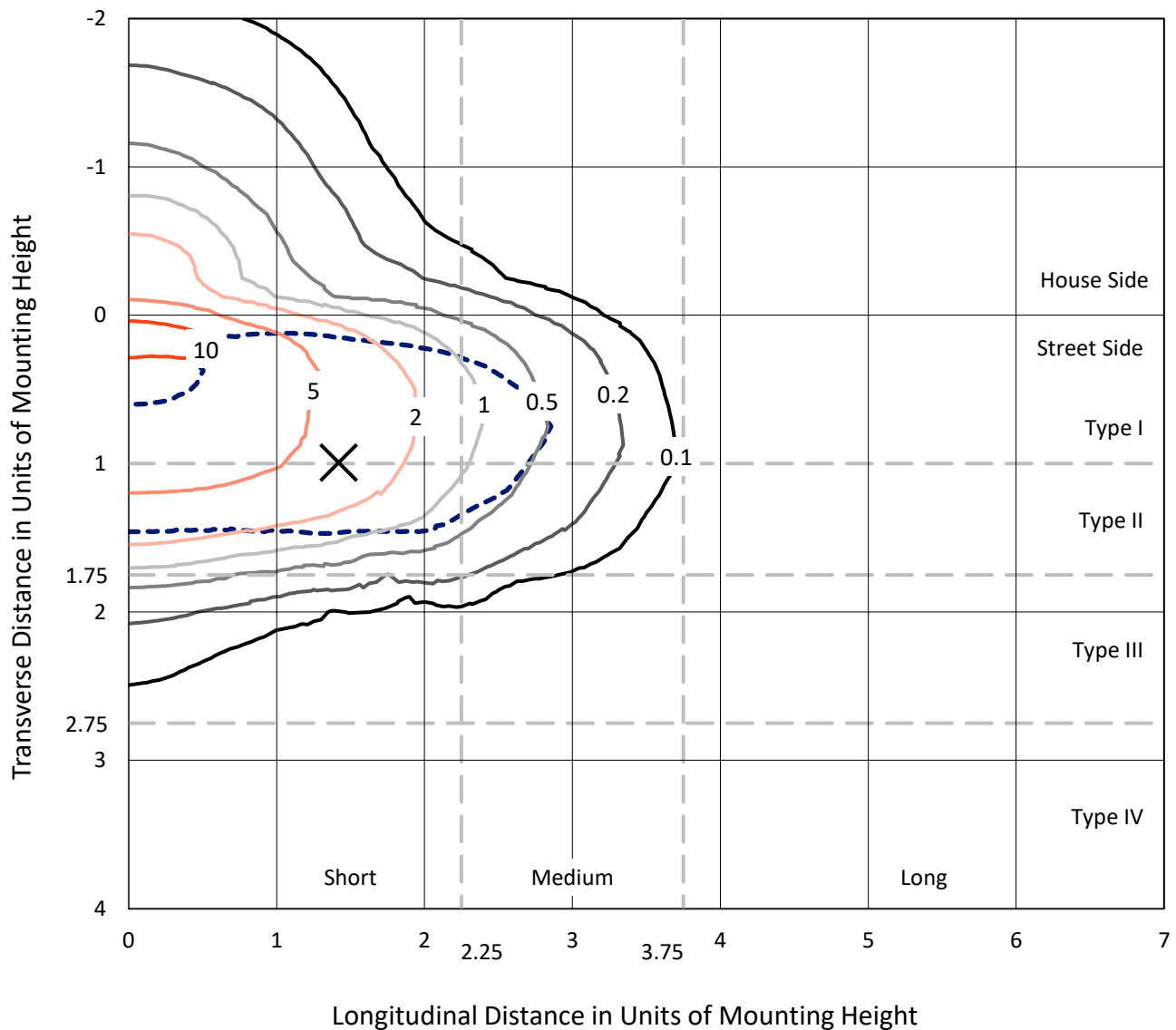
Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

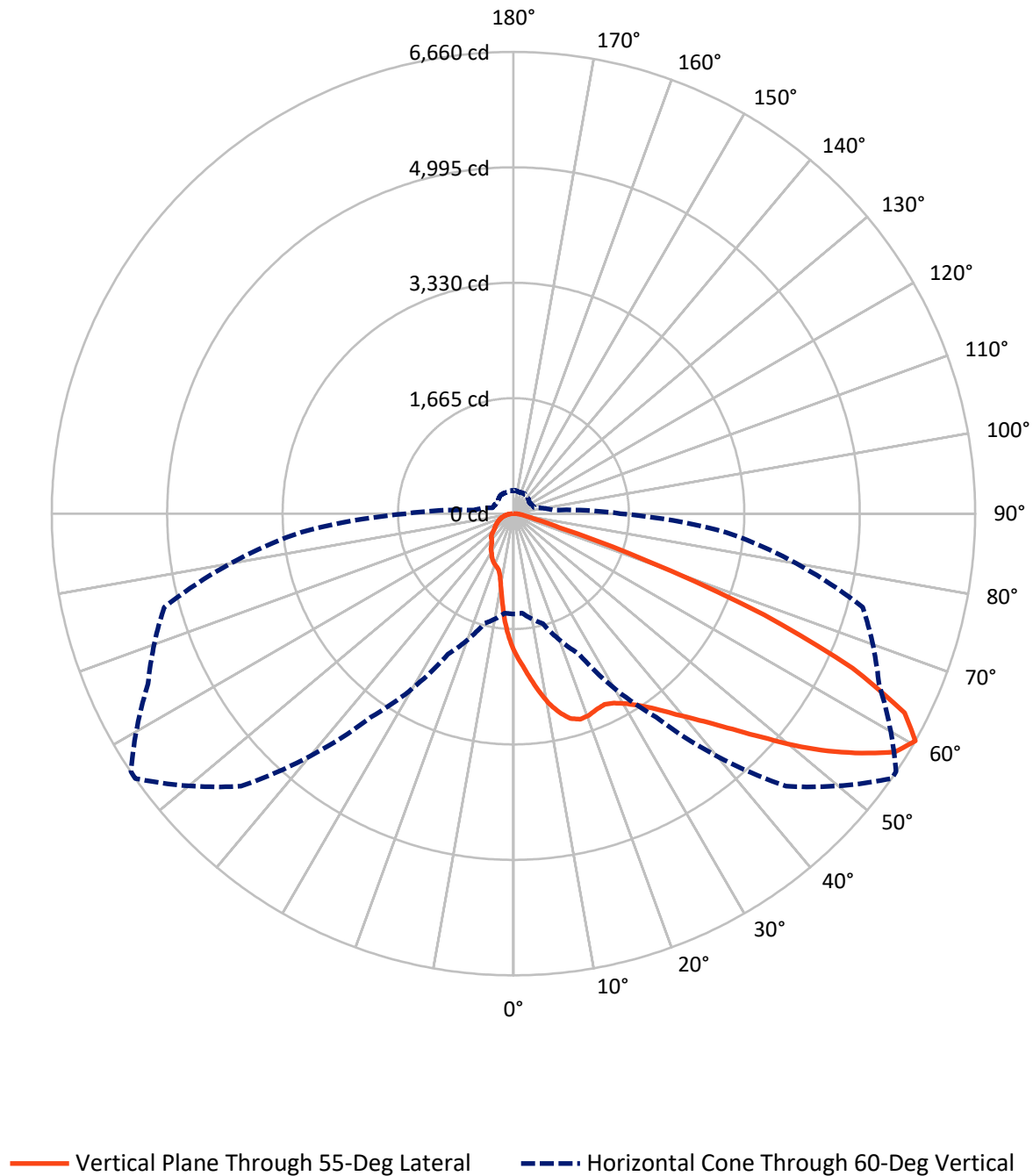
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 12.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1293.7	0.0	1293.7
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	7705.6	0.0	7705.6
	% Fixture	85.6	0.0	85.6
Total	Lumens	8999.3	0.0	8999.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.8	2.1
10°-20°	529.2	5.9
20°-30°	861.6	9.6
30°-40°	1287.7	14.3
40°-50°	1892.6	21.0
50°-60°	2218.3	24.6
60°-70°	1462.6	16.3
70°-80°	465.7	5.2
80°-90°	94.7	1.1
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°	8999.3	100.0
0°-180°	8999.3	100.0

Coefficient of Utilization



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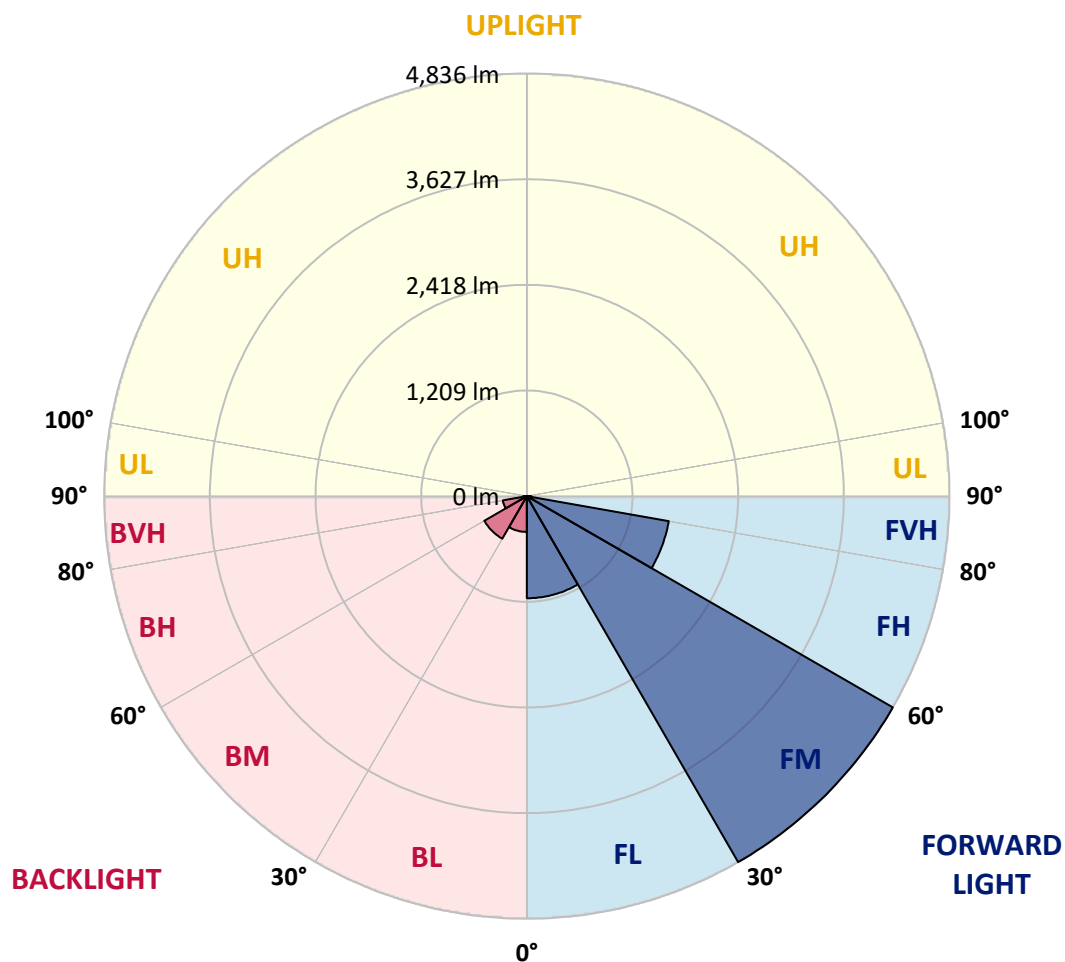
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1168.0	13.0			
FM	(30°-60°)	4836.4	53.7			
FH	(60°-80°)	1649.2	18.3			G1/1800
FVH	(80°-90°)	51.9	0.6			G1/100
BL	(0°-30°)	409.5	4.6	B1/500		
BM	(30°-60°)	562.3	6.2	B1/1000		
BH	(60°-80°)	279.1	3.1	B1/500		G1/500
BVH	(80°-90°)	42.8	0.5			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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1995.8	1995.8	1995.8	1995.8	1995.8	1995.8	1995.8	1995.8	1995.8	1995.8	1995.8
2.5°	2322.6	2314.1	2314.1	2292.6	2260.6	2216.3	2163.5	2150.4	2130.2	2078.7	2012.1
5°	2676.8	2667.6	2655.2	2617.4	2558.1	2469.4	2357.8	2337.6	2265.2	2158.9	2038.9
7.5°	2910.9	2905.7	2901.8	2869.2	2810.5	2723.1	2573.7	2550.9	2428.3	2252.2	2064.3
10°	2886.8	2902.4	2929.8	2952.7	2964.4	2919.4	2779.2	2752.4	2600.5	2360.4	2102.1
12.5°	2660.5	2682.6	2733.5	2826.8	2934.4	3021.1	2941.6	2926.6	2784.4	2475.2	2149.8
15°	2492.2	2501.3	2526.1	2595.2	2755.7	2987.2	3067.5	3053.8	2955.9	2622.6	2204.5
17.5°	2440.0	2443.9	2449.8	2472.6	2582.2	2854.8	3119.0	3132.0	3122.2	2775.9	2266.5
20°	2466.1	2468.7	2469.4	2473.3	2525.4	2743.9	3105.3	3127.5	3268.3	2929.2	2327.8
22.5°	2566.5	2563.3	2558.7	2543.7	2573.1	2724.4	3068.8	3104.0	3381.2	3068.8	2384.6
25°	2742.0	2737.4	2705.5	2674.2	2686.5	2794.8	3049.2	3087.0	3469.2	3200.5	2426.3
27.5°	2950.7	2946.1	2913.5	2854.2	2841.1	2912.2	3094.8	3118.3	3533.8	3317.3	2444.6
30°	3167.2	3167.2	3126.8	3058.3	3016.6	3046.6	3179.0	3197.9	3582.7	3430.1	2456.3
32.5°	3403.4	3409.9	3347.3	3269.0	3222.7	3205.1	3297.0	3313.3	3653.8	3563.2	2481.1
35°	3706.6	3692.3	3616.0	3512.9	3438.6	3398.8	3443.1	3462.1	3758.2	3728.8	2520.9
37.5°	4047.8	4022.3	3928.4	3805.1	3675.3	3608.8	3638.2	3642.7	3912.7	3944.7	2593.3
40°	4329.5	4325.0	4245.4	4128.6	3964.9	3875.6	3861.2	3863.8	4127.3	4200.4	2702.9
42.5°	4566.9	4550.0	4535.6	4494.5	4321.0	4174.3	4115.6	4116.2	4360.2	4464.5	2813.1
45°	4671.9	4668.7	4711.1	4816.7	4692.2	4519.3	4435.8	4447.6	4626.9	4735.9	2919.4
47.5°	4626.9	4629.6	4743.0	5020.2	5093.9	4961.5	4813.5	4806.3	4885.2	4943.9	3013.3
50°	4225.2	4267.6	4574.8	5039.2	5357.4	5423.3	5256.3	5229.6	5111.6	5109.6	3070.7
52.5°	3921.9	3919.9	4108.4	4846.7	5450.7	5840.1	5690.1	5630.1	5298.7	5202.9	3075.3
55°	3512.3	3509.7	3649.9	4283.9	5265.5	6131.0	6099.0	6024.0	5470.3	5233.5	3044.0
57.5°	2659.8	2709.4	2849.0	3429.4	4678.5	6084.7	6489.7	6427.1	5637.9	5219.8	3038.1
60°	1447.3	1441.4	1643.6	2235.2	3582.1	5559.0	6660.0	6656.7	5816.0	5214.6	3074.0
62.5°	667.2	660.7	701.2	995.3	2053.9	4453.4	6331.2	6378.2	5981.0	5167.0	3070.7
65°	499.0	482.0	427.2	463.1	785.9	2658.5	5377.7	5502.9	5726.6	4971.3	2928.5
67.5°	444.8	428.5	364.6	341.8	394.6	937.9	3901.0	4016.5	4788.7	4604.8	2698.3
70°	407.6	393.3	329.4	293.5	296.1	415.5	2042.1	2269.1	3509.7	3843.0	2299.8
72.5°	371.8	359.4	301.3	258.3	249.2	274.6	695.9	839.4	2183.0	2800.7	1714.7
75°	333.9	322.2	271.3	231.5	213.9	203.5	331.3	356.8	1154.5	1546.4	920.3
77.5°	290.2	283.7	242.0	204.1	189.1	153.9	220.5	231.5	494.4	607.2	438.3
80°	252.4	247.2	215.9	185.2	169.6	118.7	152.0	159.8	243.9	303.3	245.2
82.5°	164.4	177.4	178.7	159.1	149.4	95.2	100.4	106.3	161.8	178.7	107.0
85°	67.8	82.2	123.3	109.6	103.7	80.9	66.5	67.8	99.1	104.4	38.5
87.5°	30.7	33.9	60.7	61.3	53.5	30.7	33.3	36.5	50.9	50.2	17.0
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°	1995.8	1995.8	1995.8	1995.8	1995.8	1995.8	1995.8	1995.8	1995.8	1995.8	1995.8
2.5°	1993.9	1963.9	1910.4	1841.9	1793.0	1757.1	1718.0	1689.3	1657.3	1629.3	1633.8
5°	1989.3	1931.3	1811.3	1684.1	1560.1	1458.4	1373.6	1311.0	1246.4	1221.0	1217.7
7.5°	1993.2	1894.7	1697.8	1489.7	1301.2	1171.4	1072.9	1013.6	976.4	954.9	956.2
10°	1991.9	1860.2	1575.1	1288.2	1082.1	963.3	903.3	883.8	880.5	883.1	887.0
12.5°	1993.9	1813.2	1437.5	1106.8	924.9	864.2	866.8	884.4	895.5	902.7	907.3
15°	2002.4	1774.7	1296.6	964.0	842.7	844.6	872.7	900.1	916.4	924.2	928.1
17.5°	2014.7	1726.5	1171.4	855.7	808.1	838.1	874.6	904.0	916.4	921.0	924.2
20°	2016.1	1671.0	1044.9	781.4	785.3	824.4	856.4	879.9	895.5	900.7	903.3
22.5°	2010.2	1596.0	915.1	727.2	759.2	798.3	825.7	852.5	831.6	814.6	810.1
25°	1985.4	1501.4	804.2	682.9	726.6	763.1	794.4	765.1	755.3	742.2	743.5
27.5°	1931.9	1383.4	699.8	641.1	688.1	740.3	717.5	713.5	701.2	688.1	688.1
30°	1861.5	1258.8	612.4	597.4	641.8	667.9	673.1	667.2	660.1	643.1	644.4
32.5°	1798.2	1127.1	550.5	560.9	612.4	612.4	635.3	635.3	609.2	561.6	561.6
35°	1735.6	1003.1	504.8	530.3	564.2	575.3	606.6	565.5	528.3	506.8	505.5
37.5°	1686.7	897.5	474.8	504.2	517.2	545.3	545.9	515.9	503.5	484.0	482.0
40°	1658.0	808.8	456.6	491.1	492.4	518.5	475.5	484.0	481.3	466.3	464.4
42.5°	1642.3	740.3	442.9	480.0	473.5	448.1	440.3	454.6	459.2	451.3	448.1
45°	1629.9	686.8	431.8	441.6	458.5	412.2	409.0	420.0	429.8	429.2	426.6
47.5°	1623.4	649.6	422.0	417.4	420.7	390.7	384.2	389.4	401.8	409.6	409.0
50°	1598.0	620.9	407.6	392.6	371.8	371.8	368.5	368.5	383.5	399.2	400.5
52.5°	1553.0	587.0	386.8	369.2	345.0	355.5	356.8	354.2	369.8	386.8	388.1
55°	1503.4	561.6	358.7	347.6	322.9	340.5	346.3	343.7	354.2	365.9	365.3
57.5°	1504.1	560.9	334.6	326.1	302.0	321.6	335.9	336.6	335.9	344.4	344.4
60°	1541.9	574.0	315.7	297.4	277.9	301.3	324.8	324.8	320.2	332.6	333.9
62.5°	1553.0	572.7	303.9	270.0	256.3	283.1	308.5	312.4	309.2	326.8	328.7
65°	1455.1	542.0	292.2	245.2	236.8	262.9	288.3	299.4	296.1	318.9	321.6
67.5°	1319.5	502.2	273.9	223.1	216.5	243.3	267.4	279.2	278.5	308.5	309.8
70°	1137.5	453.3	251.1	200.2	197.0	220.5	242.0	254.4	260.2	294.8	294.2
72.5°	881.2	388.7	216.5	176.1	175.5	197.0	215.9	229.6	240.7	273.9	273.9
75°	568.1	305.9	176.8	152.6	150.0	170.2	189.8	205.5	239.4	292.2	291.5
77.5°	347.0	233.5	142.2	127.2	126.5	144.8	164.4	191.1	261.5	260.2	253.1
80°	208.1	167.6	113.5	101.7	101.7	118.7	140.2	204.8	217.2	247.8	234.2
82.5°	108.3	103.1	84.8	75.0	78.3	93.3	127.8	163.7	177.4	150.7	138.3
85°	44.4	54.8	52.2	47.6	49.6	64.6	123.3	131.1	105.0	110.2	110.9
87.5°	15.0	24.1	24.1	18.9	20.9	45.7	73.1	43.7	52.8	31.3	23.5
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)