

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: P671960

Luminaire Tested: **CCP-SA-1F-735-U-AFL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671960
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-735-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ AFL
distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7462.6 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 67
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

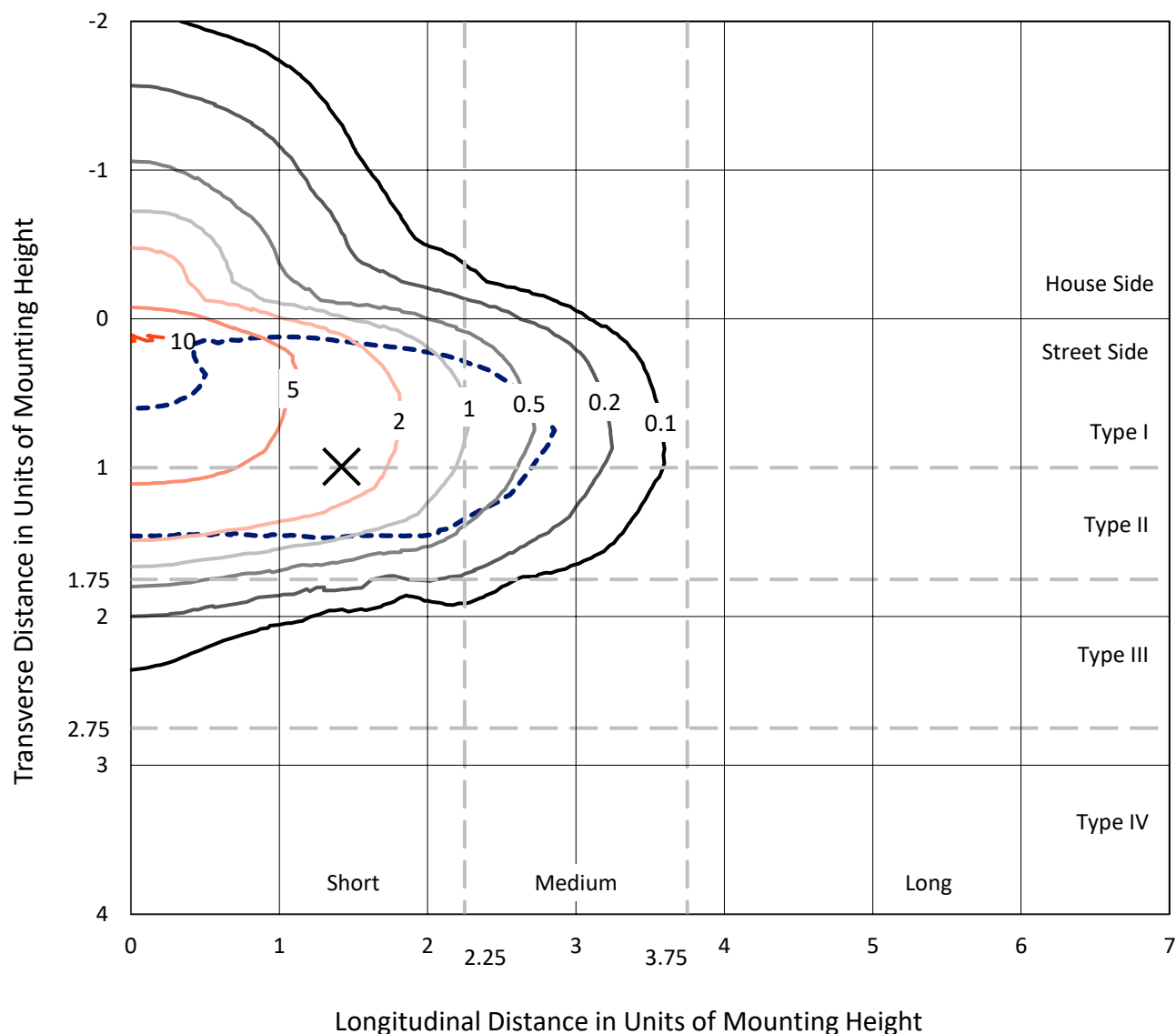
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

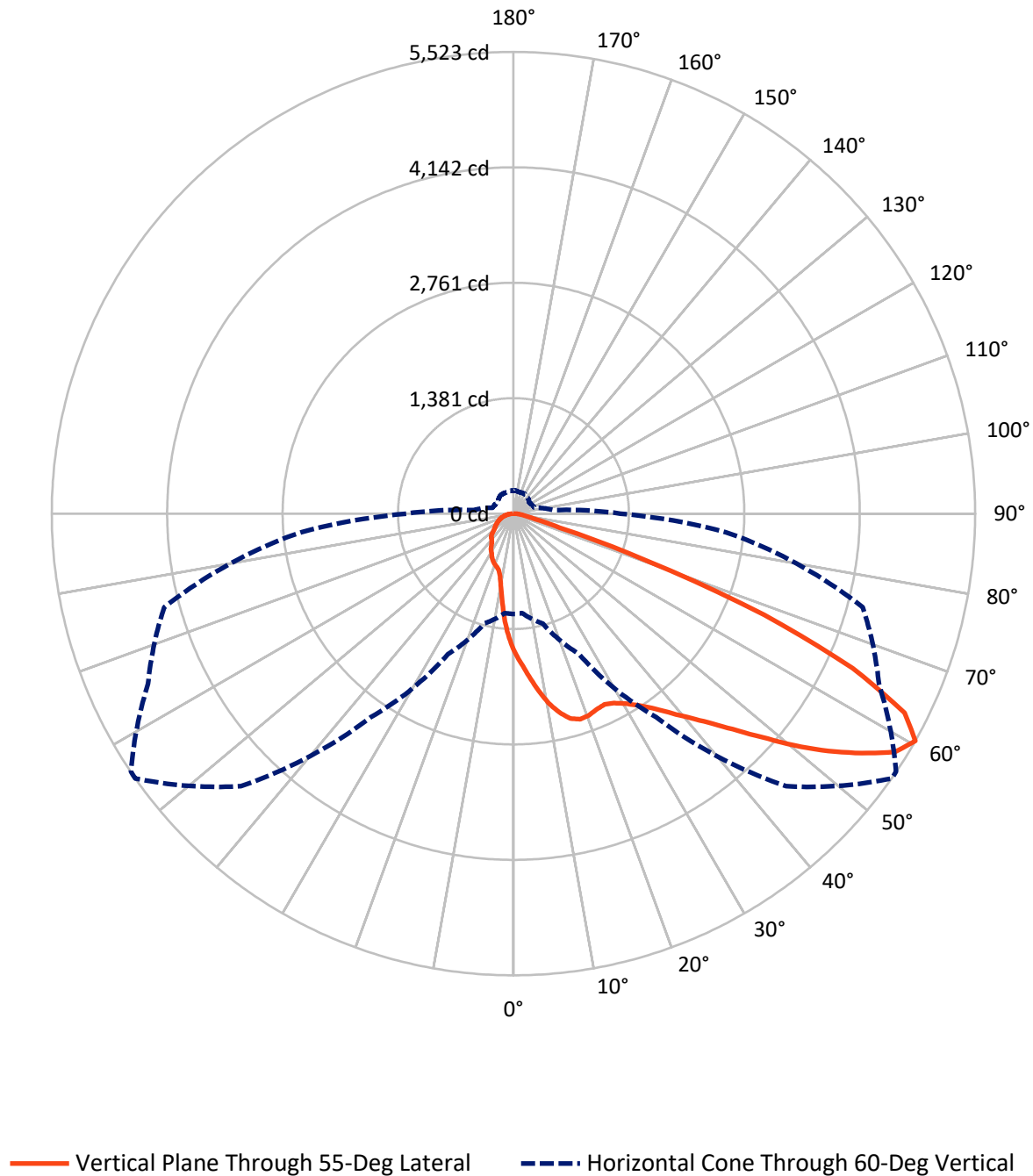


Based on 15 foot mounting height. Maximum calculated value = 10.4 fc

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	1072.8	0.0	1072.8
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	6389.9	0.0	6389.9
	% Fixture	85.6	0.0	85.6
Total	Lumens	7462.6	0.0	7462.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.9	2.1
10°-20°	438.8	5.9
20°-30°	714.5	9.6
30°-40°	1067.9	14.3
40°-50°	1569.5	21.0
50°-60°	1839.5	24.6
60°-70°	1212.9	16.3
70°-80°	386.2	5.2
80°-90°	78.5	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°	7462.6	100.0
0°-180°	7462.6	100.0

Coefficient of Utilization



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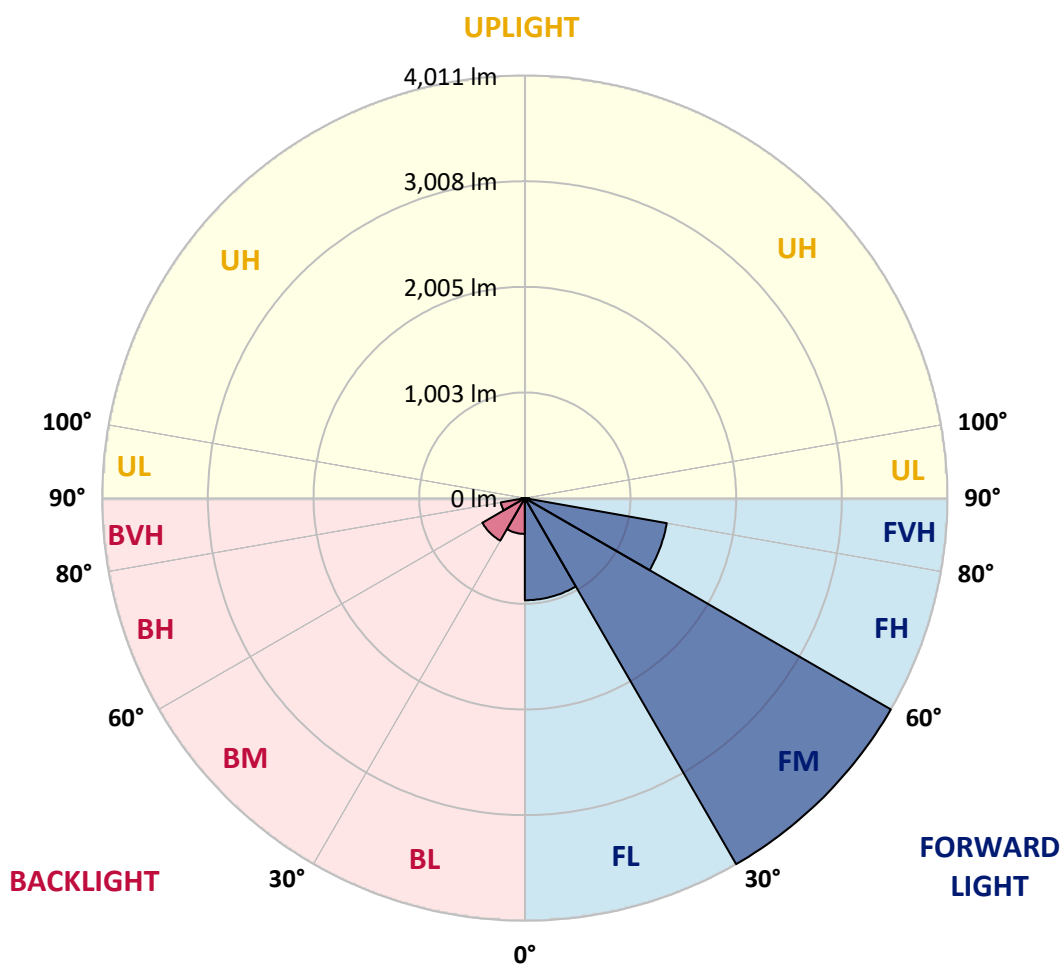
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	968.6	13.0			
FM	(30°-60°)	4010.6	53.7			
FH	(60°-80°)	1367.6	18.3			G1/1800
FVH	(80°-90°)	43.1	0.6			G1/100
BL	(0°-30°)	339.6	4.6	B1/500		
BM	(30°-60°)	466.3	6.2	B1/1000		
BH	(60°-80°)	231.5	3.1	B1/500		G1/500
BVH	(80°-90°)	35.5	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°	1655.0	1655.0	1655.0	1655.0	1655.0	1655.0	1655.0	1655.0	1655.0	1655.0	1655.0
2.5°	1926.0	1919.0	1919.0	1901.1	1874.6	1837.9	1794.0	1783.2	1766.5	1723.7	1668.6
5°	2219.7	2212.1	2201.9	2170.5	2121.3	2047.7	1955.2	1938.5	1878.4	1790.3	1690.7
7.5°	2413.9	2409.5	2406.3	2379.3	2330.6	2258.1	2134.2	2115.3	2013.6	1867.6	1711.8
10°	2393.9	2406.8	2429.6	2448.5	2458.2	2420.9	2304.6	2282.4	2156.4	1957.4	1743.2
12.5°	2206.2	2224.6	2266.8	2344.1	2433.3	2505.3	2439.3	2426.9	2308.9	2052.6	1782.7
15°	2066.6	2074.2	2094.8	2152.1	2285.2	2477.2	2543.7	2532.3	2451.2	2174.8	1828.1
17.5°	2023.4	2026.6	2031.5	2050.4	2141.3	2367.4	2586.4	2597.2	2589.1	2301.9	1879.5
20°	2045.0	2047.2	2047.7	2051.0	2094.2	2275.4	2575.1	2593.4	2710.3	2429.0	1930.3
22.5°	2128.3	2125.6	2121.8	2109.4	2133.7	2259.2	2544.8	2574.0	2803.8	2544.8	1977.4
25°	2273.8	2270.0	2243.5	2217.5	2227.8	2317.6	2528.5	2559.9	2876.9	2654.0	2012.0
27.5°	2446.9	2443.1	2416.0	2366.8	2356.0	2415.0	2566.4	2585.9	2930.4	2750.8	2027.2
30°	2626.4	2626.4	2592.9	2536.1	2501.5	2526.4	2636.2	2651.9	2971.0	2844.4	2036.9
32.5°	2822.2	2827.6	2775.7	2710.8	2672.4	2657.8	2734.1	2747.6	3029.9	2954.7	2057.4
35°	3073.7	3061.8	2998.6	2913.1	2851.4	2818.4	2855.2	2870.9	3116.5	3092.1	2090.4
37.5°	3356.6	3335.5	3257.6	3155.4	3047.8	2992.6	3016.9	3020.7	3244.6	3271.1	2150.5
40°	3590.3	3586.5	3520.5	3423.7	3287.9	3213.8	3201.9	3204.1	3422.6	3483.2	2241.3
42.5°	3787.1	3773.1	3761.2	3727.1	3583.2	3461.5	3412.9	3413.4	3615.7	3702.2	2332.7
45°	3874.2	3871.5	3906.7	3994.3	3891.0	3747.6	3678.4	3688.2	3836.9	3927.2	2420.9
47.5°	3836.9	3839.1	3933.2	4163.0	4224.1	4114.4	3991.6	3985.6	4051.1	4099.8	2498.8
50°	3503.7	3538.9	3793.6	4178.7	4442.7	4497.3	4358.8	4336.6	4238.8	4237.1	2546.4
52.5°	3252.2	3250.6	3406.9	4019.2	4520.0	4842.9	4718.5	4668.7	4394.0	4314.5	2550.2
55°	2912.6	2910.4	3026.7	3552.4	4366.4	5084.1	5057.6	4995.4	4536.2	4339.9	2524.2
57.5°	2205.6	2246.7	2362.5	2843.9	3879.6	5045.7	5381.6	5329.7	4675.2	4328.5	2519.3
60°	1200.2	1195.3	1363.0	1853.5	2970.4	4609.8	5522.8	5520.1	4822.9	4324.2	2549.1
62.5°	553.3	547.9	581.4	825.4	1703.2	3693.0	5250.2	5289.1	4959.7	4284.7	2546.4
65°	413.8	399.7	354.3	384.0	651.7	2204.6	4459.4	4563.3	4748.8	4122.5	2428.5
67.5°	368.9	355.3	302.3	283.4	327.2	777.8	3234.9	3330.6	3971.0	3818.5	2237.6
70°	338.0	326.1	273.1	243.4	245.6	344.5	1693.4	1881.7	2910.4	3186.8	1907.1
72.5°	308.3	298.0	249.9	214.2	206.6	227.7	577.1	696.1	1810.3	2322.5	1421.9
75°	276.9	267.2	225.0	192.0	177.4	168.7	274.8	295.9	957.3	1282.4	763.2
77.5°	240.7	235.3	200.7	169.3	156.9	127.6	182.8	192.0	410.0	503.5	363.5
80°	209.3	205.0	179.0	153.6	140.6	98.4	126.0	132.5	202.3	251.5	203.4
82.5°	136.3	147.1	148.2	132.0	123.9	79.0	83.3	88.2	134.1	148.2	88.7
85°	56.2	68.1	102.2	90.9	86.0	67.1	55.2	56.2	82.2	86.5	31.9
87.5°	25.4	28.1	50.3	50.8	44.4	25.4	27.6	30.3	42.2	41.6	14.1
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°	1655.0	1655.0	1655.0	1655.0	1655.0	1655.0	1655.0	1655.0	1655.0	1655.0	1655.0
2.5°	1653.4	1628.5	1584.2	1527.4	1486.8	1457.1	1424.6	1400.8	1374.3	1351.1	1354.9
5°	1649.6	1601.5	1502.0	1396.5	1293.7	1209.4	1139.1	1087.1	1033.6	1012.5	1009.8
7.5°	1652.9	1571.2	1407.9	1235.3	1079.0	971.4	889.7	840.5	809.7	791.8	792.9
10°	1651.8	1542.5	1306.2	1068.2	897.3	798.9	749.1	732.9	730.2	732.3	735.6
12.5°	1653.4	1503.6	1192.1	917.8	766.9	716.6	718.8	733.4	742.6	748.6	752.3
15°	1660.5	1471.7	1075.2	799.4	698.8	700.4	723.7	746.4	759.9	766.4	769.6
17.5°	1670.7	1431.7	971.4	709.6	670.1	695.0	725.3	749.6	759.9	763.7	766.4
20°	1671.8	1385.7	866.5	648.0	651.2	683.7	710.2	729.6	742.6	746.9	749.1
22.5°	1666.9	1323.5	758.8	603.1	629.6	662.0	684.7	706.9	689.6	675.5	671.8
25°	1646.4	1245.1	666.9	566.3	602.5	632.8	658.8	634.4	626.3	615.5	616.6
27.5°	1602.0	1147.2	580.3	531.7	570.6	613.9	595.0	591.7	581.4	570.6	570.6
30°	1543.6	1043.9	507.9	495.4	532.2	553.8	558.2	553.3	547.4	533.3	534.4
32.5°	1491.2	934.6	456.5	465.1	507.9	507.9	526.8	526.8	505.2	465.7	465.7
35°	1439.2	831.8	418.6	439.7	467.8	477.0	503.0	468.9	438.1	420.3	419.2
37.5°	1398.7	744.2	393.7	418.1	428.9	452.2	452.7	427.8	417.5	401.3	399.7
40°	1374.9	670.7	378.6	407.3	408.4	430.0	394.3	401.3	399.2	386.7	385.1
42.5°	1361.9	613.9	367.2	398.1	392.7	371.6	365.1	377.0	380.8	374.3	371.6
45°	1351.6	569.5	358.1	366.2	380.2	341.8	339.1	348.3	356.4	355.9	353.7
47.5°	1346.2	538.7	349.9	346.2	348.9	324.0	318.6	322.9	333.2	339.7	339.1
50°	1325.1	514.9	338.0	325.6	308.3	308.3	305.6	305.6	318.0	331.0	332.1
52.5°	1287.8	486.8	320.7	306.1	286.1	294.8	295.9	293.7	306.7	320.7	321.8
55°	1246.7	465.7	297.5	288.3	267.7	282.3	287.2	285.0	293.7	303.4	302.9
57.5°	1247.2	465.1	277.5	270.4	250.4	266.6	278.5	279.1	278.5	285.6	285.6
60°	1278.6	476.0	261.8	246.6	230.4	249.9	269.4	269.4	265.6	275.8	276.9
62.5°	1287.8	474.9	252.0	223.9	212.6	234.7	255.8	259.1	256.4	271.0	272.6
65°	1206.7	449.5	242.3	203.4	196.3	218.0	239.1	248.3	245.6	264.5	266.6
67.5°	1094.2	416.5	227.2	185.0	179.6	201.7	221.8	231.5	230.9	255.8	256.9
70°	943.3	375.9	208.2	166.0	163.3	182.8	200.7	210.9	215.8	244.5	243.9
72.5°	730.7	322.4	179.6	146.0	145.5	163.3	179.0	190.4	199.6	227.2	227.2
75°	471.1	253.7	146.6	126.6	124.4	141.2	157.4	170.4	198.5	242.3	241.8
77.5°	287.7	193.6	117.9	105.5	104.9	120.1	136.3	158.5	216.9	215.8	209.9
80°	172.5	139.0	94.1	84.4	84.4	98.4	116.3	169.8	180.1	205.5	194.2
82.5°	89.8	85.5	70.3	62.2	64.9	77.3	106.0	135.8	147.1	124.9	114.7
85°	36.8	45.4	43.3	39.5	41.1	53.5	102.2	108.7	87.1	91.4	91.9
87.5°	12.4	20.0	20.0	15.7	17.3	37.9	60.6	36.2	43.8	26.0	19.5
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)