

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: P671984

Luminaire Tested: **CCP-SA-2B-750-U-AFL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671984
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-750-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ AFL
distribution lens
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7129 lumens
Efficiency: N/A
Efficacy: 155.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

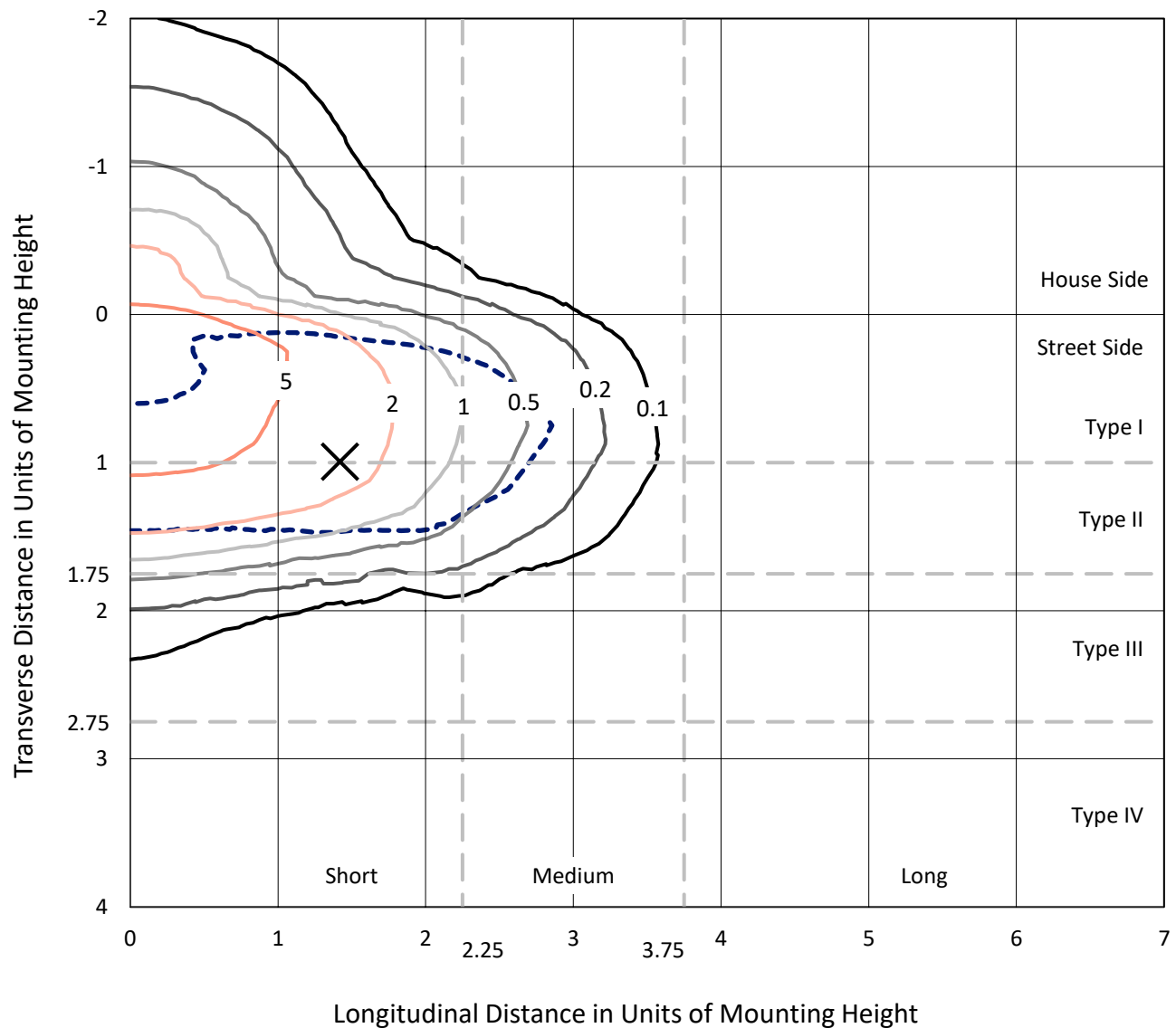
Input Watts (W): 46
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

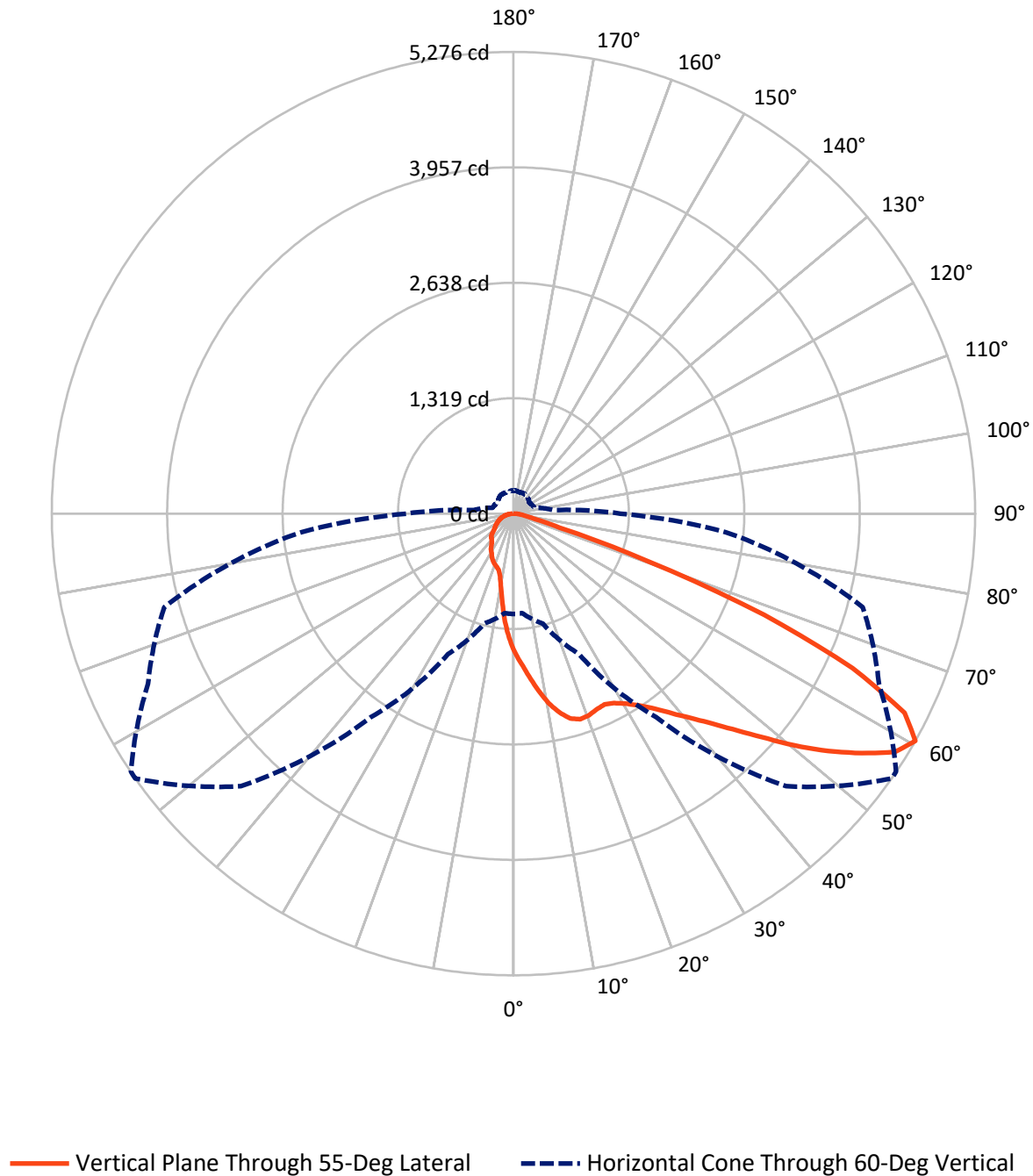


Based on 15 foot mounting height. Maximum calculated value = 9.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1024.8	0.0	1024.8
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	6104.2	0.0	6104.2
	% Fixture	85.6	0.0	85.6
Total	Lumens	7129.0	0.0	7129.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.0	2.1
10°-20°	419.2	5.9
20°-30°	682.5	9.6
30°-40°	1020.1	14.3
40°-50°	1499.3	21.0
50°-60°	1757.3	24.6
60°-70°	1158.7	16.3
70°-80°	368.9	5.2
80°-90°	75.0	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°	7129.0	100.0
0°-180°	7129.0	100.0

Coefficient of Utilization



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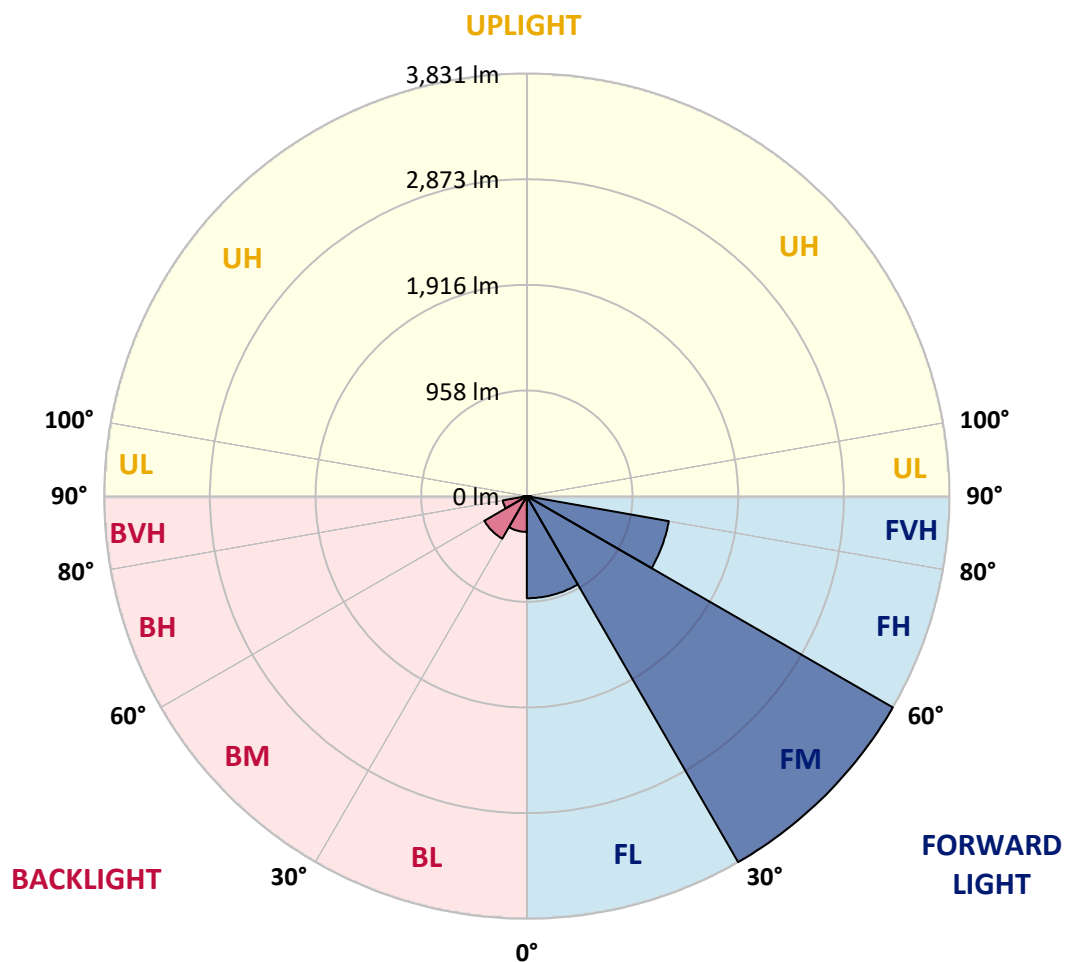
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	925.3	13.0			
FM	(30°-60°)	3831.3	53.7			
FH	(60°-80°)	1306.5	18.3			G1/1800
FVH	(80°-90°)	41.1	0.6			G1/100
BL	(0°-30°)	324.4	4.6	B1/500		
BM	(30°-60°)	445.4	6.2	B1/1000		
BH	(60°-80°)	221.1	3.1	B1/500		G1/500
BVH	(80°-90°)	33.9	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°	1581.1	1581.1	1581.1	1581.1	1581.1	1581.1	1581.1	1581.1	1581.1	1581.1	1581.1
2.5°	1839.9	1833.2	1833.2	1816.1	1790.8	1755.7	1713.8	1703.5	1687.5	1646.7	1594.0
5°	2120.5	2113.2	2103.4	2073.5	2026.4	1956.2	1867.8	1851.8	1794.4	1710.2	1615.2
7.5°	2306.0	2301.8	2298.7	2272.9	2226.4	2157.2	2038.8	2020.8	1923.6	1784.1	1635.3
10°	2286.8	2299.2	2320.9	2339.0	2348.3	2312.7	2201.6	2180.4	2060.0	1869.9	1665.3
12.5°	2107.6	2125.1	2165.4	2239.3	2324.6	2393.3	2330.2	2318.4	2205.7	1960.8	1703.0
15°	1974.2	1981.5	2001.1	2055.9	2183.0	2366.4	2430.0	2419.1	2341.6	2077.6	1746.4
17.5°	1932.9	1936.0	1940.7	1958.7	2045.6	2261.5	2470.8	2481.1	2473.4	2199.0	1795.5
20°	1953.6	1955.6	1956.2	1959.3	2000.6	2173.7	2459.9	2477.5	2589.1	2320.4	1844.0
22.5°	2033.2	2030.6	2027.0	2015.1	2038.3	2158.2	2431.0	2458.9	2678.5	2431.0	1889.0
25°	2172.1	2168.5	2143.2	2118.4	2128.2	2214.0	2415.5	2445.5	2748.2	2535.4	1922.1
27.5°	2337.5	2333.9	2308.0	2261.0	2250.7	2307.0	2451.7	2470.3	2799.4	2627.9	1936.5
30°	2509.0	2509.0	2477.0	2422.7	2389.7	2413.4	2518.3	2533.3	2838.1	2717.2	1945.8
32.5°	2696.1	2701.2	2651.6	2589.6	2552.9	2539.0	2611.8	2624.8	2894.5	2822.6	1965.5
35°	2936.3	2924.9	2864.5	2782.9	2724.0	2692.4	2727.6	2742.6	2977.1	2953.9	1997.0
37.5°	3206.5	3186.4	3112.0	3014.3	2911.5	2858.8	2882.1	2885.7	3099.6	3124.9	2054.3
40°	3429.7	3426.1	3363.1	3270.6	3140.9	3070.1	3058.8	3060.8	3269.6	3327.4	2141.1
42.5°	3617.8	3604.4	3593.0	3560.5	3423.0	3306.8	3260.3	3260.8	3454.0	3536.7	2228.5
45°	3701.0	3698.4	3732.0	3815.7	3717.0	3580.1	3514.0	3523.3	3665.4	3751.6	2312.7
47.5°	3665.4	3667.4	3757.3	3976.9	4035.3	3930.4	3813.1	3807.4	3870.0	3916.5	2387.1
50°	3347.1	3380.7	3624.0	3991.9	4244.0	4296.2	4164.0	4142.8	4049.3	4047.7	2432.5
52.5°	3106.8	3105.3	3254.6	3839.5	4317.9	4626.4	4507.6	4460.0	4197.5	4121.6	2436.2
55°	2782.3	2780.3	2891.4	3393.6	4171.2	4856.8	4831.5	4772.1	4333.4	4145.9	2411.4
57.5°	2107.0	2146.3	2256.9	2716.7	3706.2	4820.1	5141.0	5091.4	4466.2	4135.0	2406.7
60°	1146.5	1141.9	1302.0	1770.7	2837.6	4403.7	5275.9	5273.3	4607.3	4130.9	2435.1
62.5°	528.6	523.4	555.4	788.5	1627.0	3527.9	5015.5	5052.7	4738.0	4093.2	2432.5
65°	395.3	381.8	338.4	366.8	622.6	2106.0	4260.1	4359.3	4536.5	3938.2	2319.9
67.5°	352.4	339.5	288.8	270.7	312.6	743.0	3090.3	3181.7	3793.5	3647.8	2137.5
70°	322.9	311.6	260.9	232.5	234.6	329.1	1617.7	1797.5	2780.3	3044.3	1821.8
72.5°	294.5	284.7	238.7	204.6	197.4	217.5	551.3	665.0	1729.3	2218.6	1358.4
75°	264.5	255.2	214.9	183.4	169.5	161.2	262.5	282.6	914.5	1225.1	729.0
77.5°	229.9	224.8	191.7	161.7	149.8	121.9	174.6	183.4	391.6	481.0	347.2
80°	200.0	195.8	171.0	146.7	134.3	94.0	120.4	126.6	193.2	240.3	194.3
82.5°	130.2	140.5	141.6	126.1	118.3	75.4	79.6	84.2	128.1	141.6	84.7
85°	53.7	65.1	97.7	86.8	82.2	64.1	52.7	53.7	78.5	82.7	30.5
87.5°	24.3	26.9	48.1	48.6	42.4	24.3	26.4	28.9	40.3	39.8	13.4
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°	1581.1	1581.1	1581.1	1581.1	1581.1	1581.1	1581.1	1581.1	1581.1	1581.1	1581.1
2.5°	1579.5	1555.7	1513.4	1459.1	1420.4	1391.9	1360.9	1338.2	1312.9	1290.7	1294.3
5°	1575.9	1529.9	1434.8	1334.1	1235.9	1155.3	1088.1	1038.5	987.4	967.2	964.6
7.5°	1579.0	1501.0	1344.9	1180.1	1030.8	928.0	849.9	802.9	773.5	756.4	757.5
10°	1578.0	1473.6	1247.8	1020.5	857.2	763.1	715.6	700.1	697.5	699.6	702.7
12.5°	1579.5	1436.4	1138.8	876.8	732.7	684.6	686.7	700.6	709.4	715.1	718.7
15°	1586.2	1405.9	1027.2	763.7	667.6	669.1	691.3	713.0	725.9	732.1	735.2
17.5°	1596.0	1367.7	928.0	677.9	640.2	663.9	692.9	716.1	725.9	729.6	732.1
20°	1597.1	1323.7	827.7	619.0	622.1	653.1	678.4	697.0	709.4	713.5	715.6
22.5°	1592.4	1264.3	724.9	576.1	601.4	632.4	654.1	675.3	658.8	645.3	641.7
25°	1572.8	1189.4	637.1	541.0	575.6	604.5	629.3	606.1	598.3	588.0	589.0
27.5°	1530.4	1095.9	554.4	507.9	545.1	586.4	568.4	565.3	555.4	545.1	545.1
30°	1474.6	997.2	485.2	473.3	508.4	529.1	533.2	528.6	522.9	509.5	510.5
32.5°	1424.5	892.8	436.1	444.3	485.2	485.2	503.3	503.3	482.6	444.9	444.9
35°	1374.9	794.7	399.9	420.1	446.9	455.7	480.5	448.0	418.5	401.5	400.4
37.5°	1336.1	711.0	376.1	399.4	409.7	431.9	432.5	408.7	398.9	383.4	381.8
40°	1313.4	640.7	361.7	389.1	390.1	410.8	376.7	383.4	381.3	369.4	367.9
42.5°	1301.0	586.4	350.8	380.3	375.1	355.0	348.8	360.1	363.7	357.5	355.0
45°	1291.2	544.1	342.0	349.8	363.2	326.5	324.0	332.7	340.5	340.0	337.9
47.5°	1286.0	514.6	334.3	330.7	333.3	309.5	304.3	308.5	318.3	324.5	324.0
50°	1265.9	491.9	322.9	311.0	294.5	294.5	291.9	291.9	303.8	316.2	317.2
52.5°	1230.2	465.0	306.4	292.4	273.3	281.6	282.6	280.6	293.0	306.4	307.4
55°	1191.0	444.9	284.2	275.4	255.8	269.7	274.4	272.3	280.6	289.9	289.3
57.5°	1191.5	444.3	265.1	258.3	239.2	254.7	266.1	266.6	266.1	272.8	272.8
60°	1221.4	454.7	250.1	235.6	220.1	238.7	257.3	257.3	253.7	263.5	264.5
62.5°	1230.2	453.6	240.8	213.9	203.1	224.2	244.4	247.5	244.9	258.9	260.4
65°	1152.7	429.4	231.5	194.3	187.6	208.2	228.4	237.2	234.6	252.7	254.7
67.5°	1045.3	397.8	217.0	176.7	171.5	192.7	211.8	221.1	220.6	244.4	245.4
70°	901.1	359.1	198.9	158.6	156.0	174.6	191.7	201.5	206.2	233.5	233.0
72.5°	698.0	307.9	171.5	139.5	139.0	156.0	171.0	181.9	190.7	217.0	217.0
75°	450.0	242.3	140.0	120.9	118.8	134.9	150.4	162.8	189.6	231.5	231.0
77.5°	274.9	185.0	112.6	100.8	100.2	114.7	130.2	151.4	207.2	206.2	200.5
80°	164.8	132.8	89.9	80.6	80.6	94.0	111.1	162.2	172.1	196.3	185.5
82.5°	85.8	81.6	67.2	59.4	62.0	73.9	101.3	129.7	140.5	119.4	109.5
85°	35.1	43.4	41.3	37.7	39.3	51.2	97.7	103.9	83.2	87.3	87.8
87.5°	11.9	19.1	19.1	15.0	16.5	36.2	57.9	34.6	41.9	24.8	18.6
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)