

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: P671974

Luminaire Tested: **CCP-SA-2C-740-U-AFL**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671974
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-740-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ AFL
distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9124.3 lumens
Efficiency: N/A
Efficacy: 146.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

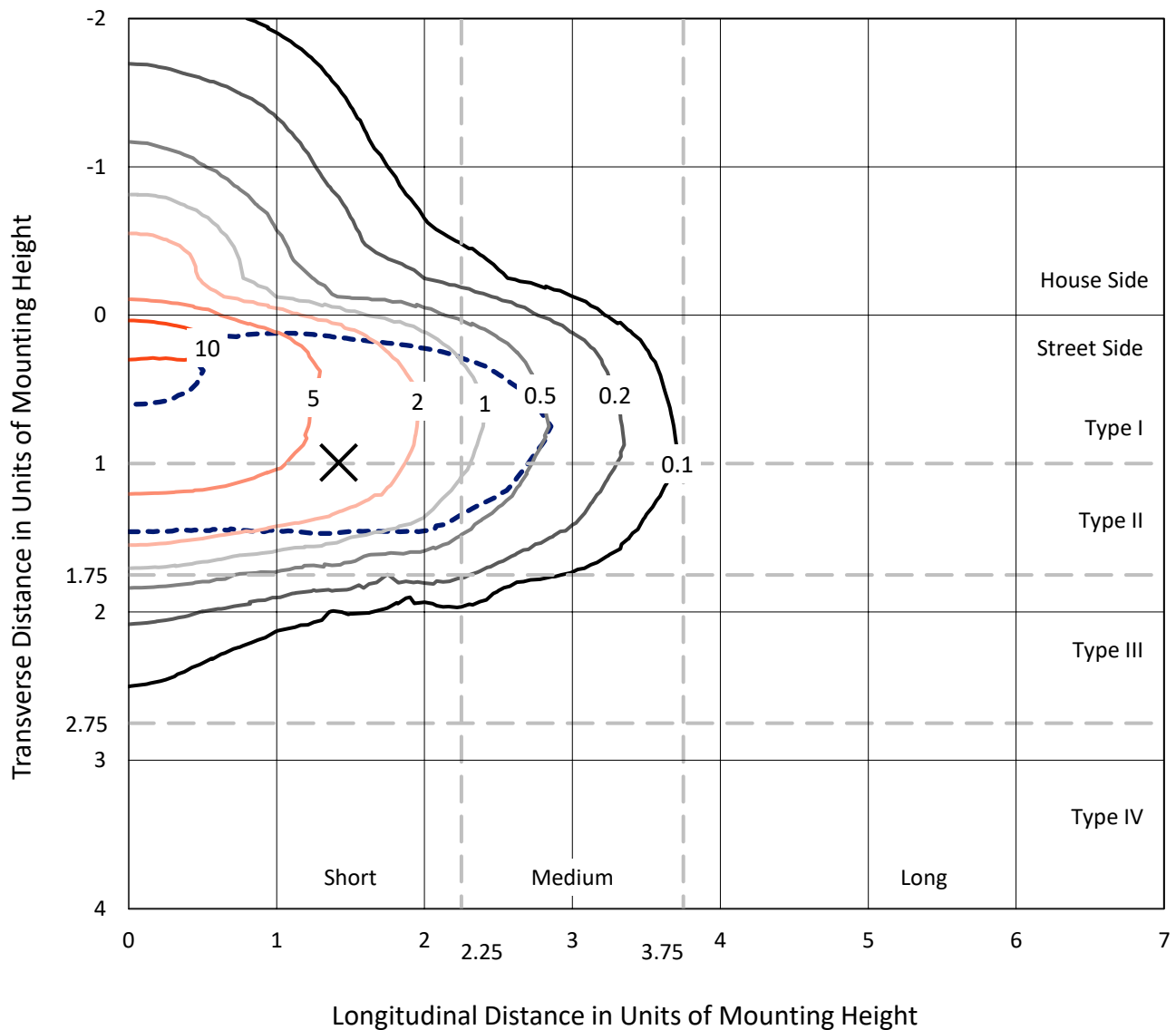
Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

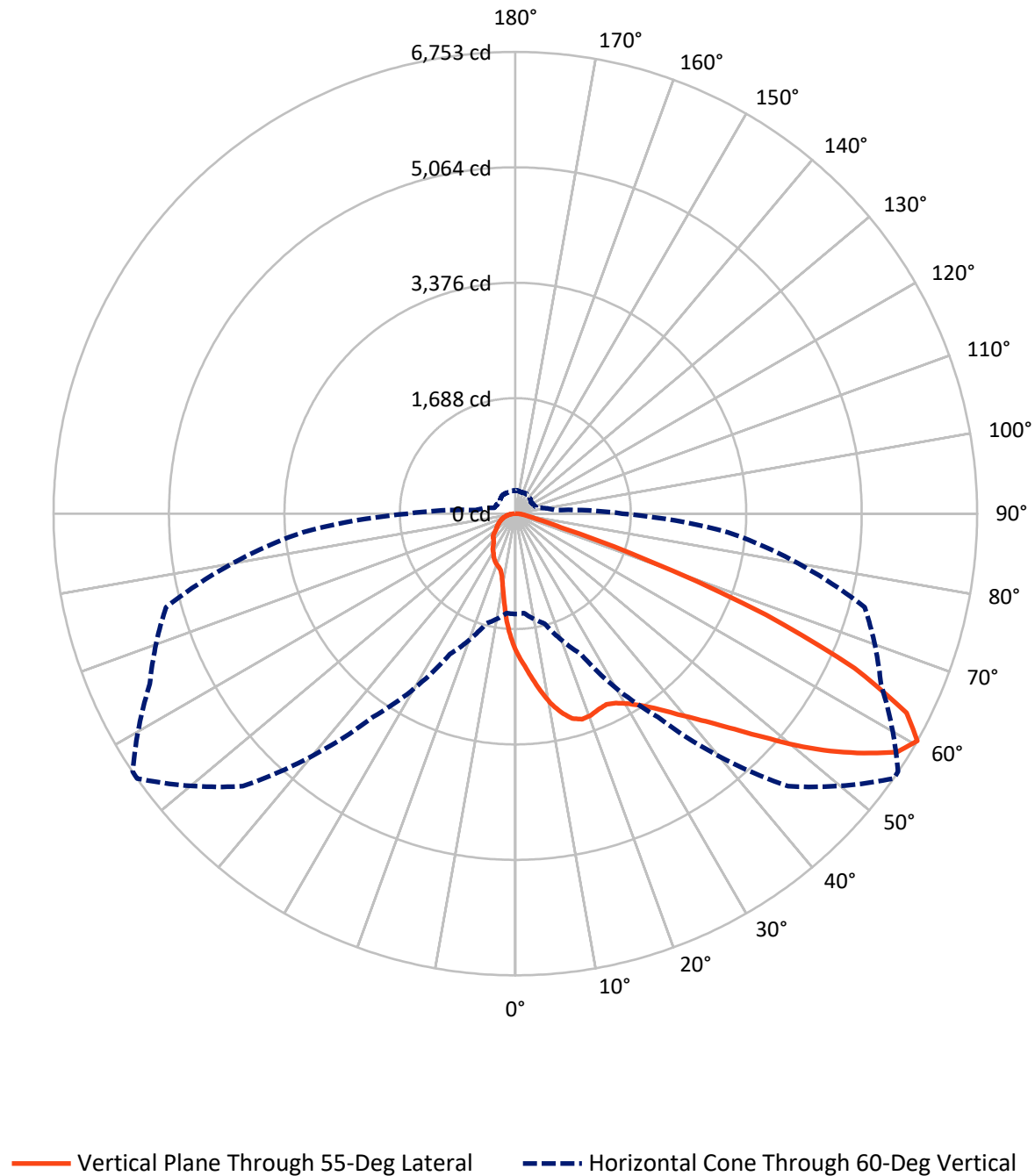


Based on 15 foot mounting height. Maximum calculated value = 12.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1311.6	0.0	1311.6
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	7812.6	0.0	7812.6
	% Fixture	85.6	0.0	85.6
Total	Lumens	9124.3	0.0	9124.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.4	2.1
10°-20°	536.5	5.9
20°-30°	873.5	9.6
30°-40°	1305.6	14.3
40°-50°	1918.9	21.0
50°-60°	2249.1	24.6
60°-70°	1482.9	16.3
70°-80°	472.2	5.2
80°-90°	96.0	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°	9124.3	100.0
0°-180°	9124.3	100.0

Coefficient of Utilization



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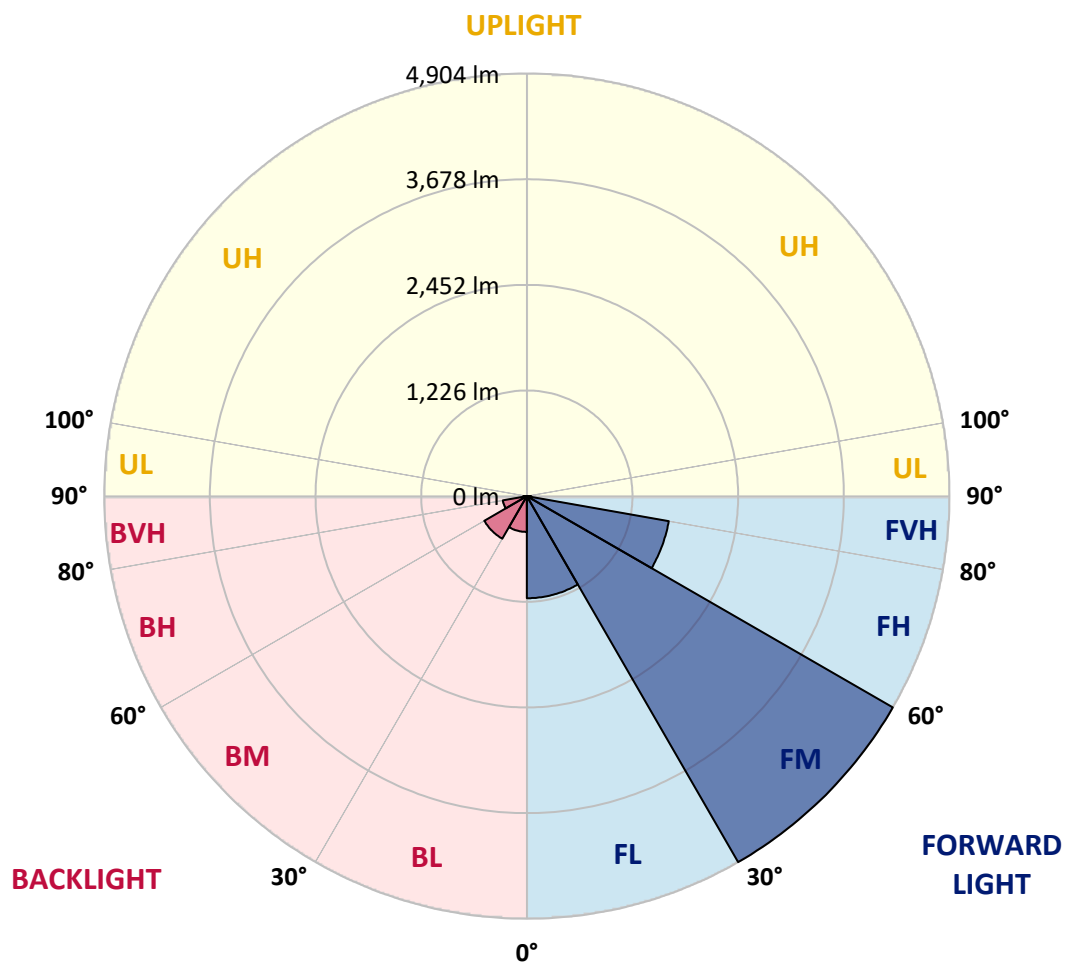
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1184.2	13.0			
FM	(30°-60°)	4903.6	53.7			
FH	(60°-80°)	1672.1	18.3			G1/1800
FVH	(80°-90°)	52.7	0.6			G1/100
BL	(0°-30°)	415.2	4.6	B1/500		
BM	(30°-60°)	570.1	6.2	B1/1000		
BH	(60°-80°)	283.0	3.1	B1/500		G1/500
BVH	(80°-90°)	43.4	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°	2023.6	2023.6	2023.6	2023.6	2023.6	2023.6	2023.6	2023.6	2023.6	2023.6	2023.6
2.5°	2354.9	2346.3	2346.3	2324.4	2292.0	2247.1	2193.5	2180.3	2159.8	2107.5	2040.1
5°	2713.9	2704.7	2692.1	2653.8	2593.6	2503.7	2390.6	2370.1	2296.7	2188.9	2067.2
7.5°	2951.4	2946.1	2942.1	2909.0	2849.5	2760.9	2609.5	2586.3	2462.0	2283.4	2093.0
10°	2926.9	2942.8	2970.5	2993.7	3005.6	2959.9	2817.8	2790.7	2636.6	2393.2	2131.3
12.5°	2697.4	2719.9	2771.5	2866.0	2975.2	3063.1	2982.4	2967.2	2823.1	2509.6	2179.6
15°	2526.8	2536.1	2561.2	2631.3	2794.0	3028.7	3110.1	3096.2	2997.0	2659.1	2235.2
17.5°	2473.9	2477.9	2483.8	2507.0	2618.1	2894.5	3162.3	3175.5	3165.6	2814.5	2298.0
20°	2500.3	2503.0	2503.7	2507.6	2560.5	2782.1	3148.4	3170.9	3313.7	2969.9	2360.2
22.5°	2602.2	2598.9	2594.3	2579.0	2608.8	2762.2	3111.4	3147.1	3428.1	3111.4	2417.7
25°	2780.1	2775.4	2743.0	2711.3	2723.9	2833.6	3091.5	3129.9	3517.4	3245.0	2460.0
27.5°	2991.7	2987.1	2954.0	2893.8	2880.6	2952.7	3137.8	3161.6	3582.9	3363.3	2478.5
30°	3211.2	3211.2	3170.2	3100.8	3058.5	3088.9	3223.1	3242.3	3632.5	3477.7	2490.4
32.5°	3450.6	3457.2	3393.8	3314.4	3267.4	3249.6	3342.8	3359.4	3704.6	3612.6	2515.6
35°	3758.1	3743.6	3666.2	3561.7	3486.3	3446.0	3491.0	3510.1	3810.4	3780.6	2555.9
37.5°	4104.0	4078.2	3983.0	3858.0	3726.4	3658.9	3688.7	3693.3	3967.1	3999.5	2629.3
40°	4389.7	4385.0	4304.4	4186.0	4020.0	3929.4	3914.9	3917.5	4184.7	4258.7	2740.4
42.5°	4630.4	4613.2	4598.6	4557.0	4381.1	4232.3	4172.8	4173.4	4420.7	4526.6	2852.2
45°	4736.8	4733.5	4776.5	4883.6	4757.3	4582.1	4497.5	4509.4	4691.2	4801.6	2959.9
47.5°	4691.2	4693.9	4808.9	5090.0	5164.7	5030.5	4880.3	4873.1	4953.1	5012.6	3055.2
50°	4283.9	4326.8	4638.3	5109.2	5431.9	5498.7	5329.4	5302.2	5182.6	5180.6	3113.4
52.5°	3976.4	3974.4	4165.5	4914.1	5526.4	5921.2	5769.1	5708.3	5372.3	5275.1	3118.0
55°	3561.1	3558.4	3700.6	4343.4	5338.6	6216.2	6183.8	6107.7	5546.3	5306.2	3086.3
57.5°	2696.8	2747.0	2888.5	3477.1	4743.5	6169.2	6579.9	6516.4	5716.2	5292.3	3080.3
60°	1467.4	1461.5	1666.5	2266.3	3631.8	5636.2	6752.5	6749.2	5896.8	5287.0	3116.7
62.5°	676.5	669.9	710.9	1009.1	2082.4	4515.3	6419.2	6466.8	6064.1	5238.8	3113.4
65°	505.9	488.7	433.1	469.5	796.9	2695.4	5452.4	5579.3	5806.2	5040.4	2969.2
67.5°	451.0	434.5	369.7	346.5	400.1	950.9	3955.2	4072.2	4855.2	4668.7	2735.8
70°	413.3	398.8	334.0	297.6	300.2	421.2	2070.5	2300.6	3558.4	3896.3	2331.7
72.5°	376.9	364.4	305.5	261.9	252.6	278.4	705.6	851.1	2213.3	2839.6	1738.5
75°	338.6	326.7	275.1	234.8	216.9	206.3	335.9	361.7	1170.5	1567.9	933.1
77.5°	294.3	287.7	245.3	207.0	191.8	156.1	223.5	234.8	501.3	615.7	444.4
80°	255.9	250.6	218.9	187.8	171.9	120.4	154.1	162.0	247.3	307.5	248.6
82.5°	166.6	179.9	181.2	161.4	151.4	96.5	101.8	107.8	164.0	181.2	108.5
85°	68.8	83.3	125.0	111.1	105.1	82.0	67.5	68.8	100.5	105.8	39.0
87.5°	31.1	34.4	61.5	62.2	54.2	31.1	33.7	37.0	51.6	50.9	17.2
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°	2023.6	2023.6	2023.6	2023.6	2023.6	2023.6	2023.6	2023.6	2023.6	2023.6	2023.6
2.5°	2021.6	1991.2	1936.9	1867.5	1817.9	1781.5	1741.8	1712.7	1680.3	1651.9	1656.5
5°	2016.9	1958.1	1836.4	1707.5	1581.8	1478.7	1392.7	1329.2	1263.7	1237.9	1234.6
7.5°	2020.9	1921.1	1721.3	1510.4	1319.3	1187.7	1087.8	1027.6	990.0	968.1	969.5
10°	2019.6	1886.0	1597.0	1306.1	1097.1	976.7	915.9	896.1	892.7	895.4	899.4
12.5°	2021.6	1838.4	1457.5	1122.2	937.7	876.2	878.9	896.7	908.0	915.2	919.9
15°	2030.2	1799.4	1314.7	977.4	854.4	856.4	884.8	912.6	929.1	937.1	941.0
17.5°	2042.7	1750.4	1187.7	867.6	819.3	849.8	886.8	916.6	929.1	933.7	937.1
20°	2044.1	1694.2	1059.4	792.2	796.2	835.9	868.3	892.1	908.0	913.2	915.9
22.5°	2038.1	1618.2	927.8	737.3	769.7	809.4	837.2	864.3	843.1	826.0	821.3
25°	2013.0	1522.3	815.4	692.4	736.7	773.7	805.5	775.7	765.8	752.6	753.9
27.5°	1958.8	1402.6	709.6	650.1	697.7	750.6	727.4	723.5	710.9	697.7	697.7
30°	1887.3	1276.3	621.0	605.7	650.7	677.2	682.5	676.5	669.2	652.0	653.4
32.5°	1823.2	1142.7	558.1	568.7	621.0	621.0	644.1	644.1	617.6	569.4	569.4
35°	1759.7	1017.1	511.8	537.6	572.0	583.3	615.0	573.3	535.6	513.8	512.5
37.5°	1710.1	909.9	481.4	511.2	524.4	552.8	553.5	523.1	510.5	490.7	488.7
40°	1681.0	820.0	462.9	498.0	499.3	525.7	482.1	490.7	488.0	472.8	470.8
42.5°	1665.1	750.6	449.0	486.7	480.1	454.3	446.4	460.9	465.6	457.6	454.3
45°	1652.6	696.3	437.8	447.7	464.9	417.9	414.6	425.9	435.8	435.1	432.5
47.5°	1646.0	658.6	427.9	423.2	426.5	396.1	389.5	394.8	407.4	415.3	414.6
50°	1620.2	629.6	413.3	398.1	376.9	376.9	373.6	373.6	388.8	404.7	406.0
52.5°	1574.5	595.2	392.1	374.3	349.8	360.4	361.7	359.1	375.0	392.1	393.5
55°	1524.3	569.4	363.7	352.5	327.3	345.2	351.1	348.5	359.1	371.0	370.3
57.5°	1524.9	568.7	339.2	330.6	306.2	326.0	340.6	341.2	340.6	349.2	349.2
60°	1563.3	581.9	320.1	301.5	281.7	305.5	329.3	329.3	324.7	337.3	338.6
62.5°	1574.5	580.6	308.2	273.8	259.9	287.0	312.8	316.8	313.5	331.3	333.3
65°	1475.3	549.5	296.3	248.6	240.0	266.5	292.3	303.5	300.2	323.4	326.0
67.5°	1337.8	509.2	277.7	226.2	219.5	246.7	271.1	283.0	282.4	312.8	314.1
70°	1153.3	459.6	254.6	203.0	199.7	223.5	245.3	257.9	263.9	298.9	298.2
72.5°	893.4	394.1	219.5	178.5	177.9	199.7	218.9	232.8	244.0	277.7	277.7
75°	576.0	310.1	179.2	154.7	152.1	172.6	192.4	208.3	242.7	296.3	295.6
77.5°	351.8	236.7	144.2	129.0	128.3	146.8	166.6	193.8	265.2	263.9	256.6
80°	211.0	170.0	115.1	103.2	103.2	120.4	142.2	207.6	220.2	251.3	237.4
82.5°	109.8	104.5	86.0	76.0	79.4	94.6	129.6	166.0	179.9	152.8	140.2
85°	45.0	55.5	52.9	48.3	50.3	65.5	125.0	132.9	106.5	111.8	112.4
87.5°	15.2	24.5	24.5	19.2	21.2	46.3	74.1	44.3	53.6	31.7	23.8
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)