

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: P671996

Luminaire Tested: **CCP-SA-2C-760-U-AFL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671996
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-760-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ AFL
distribution lens
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9333.2 lumens
Efficiency: N/A
Efficacy: 150.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

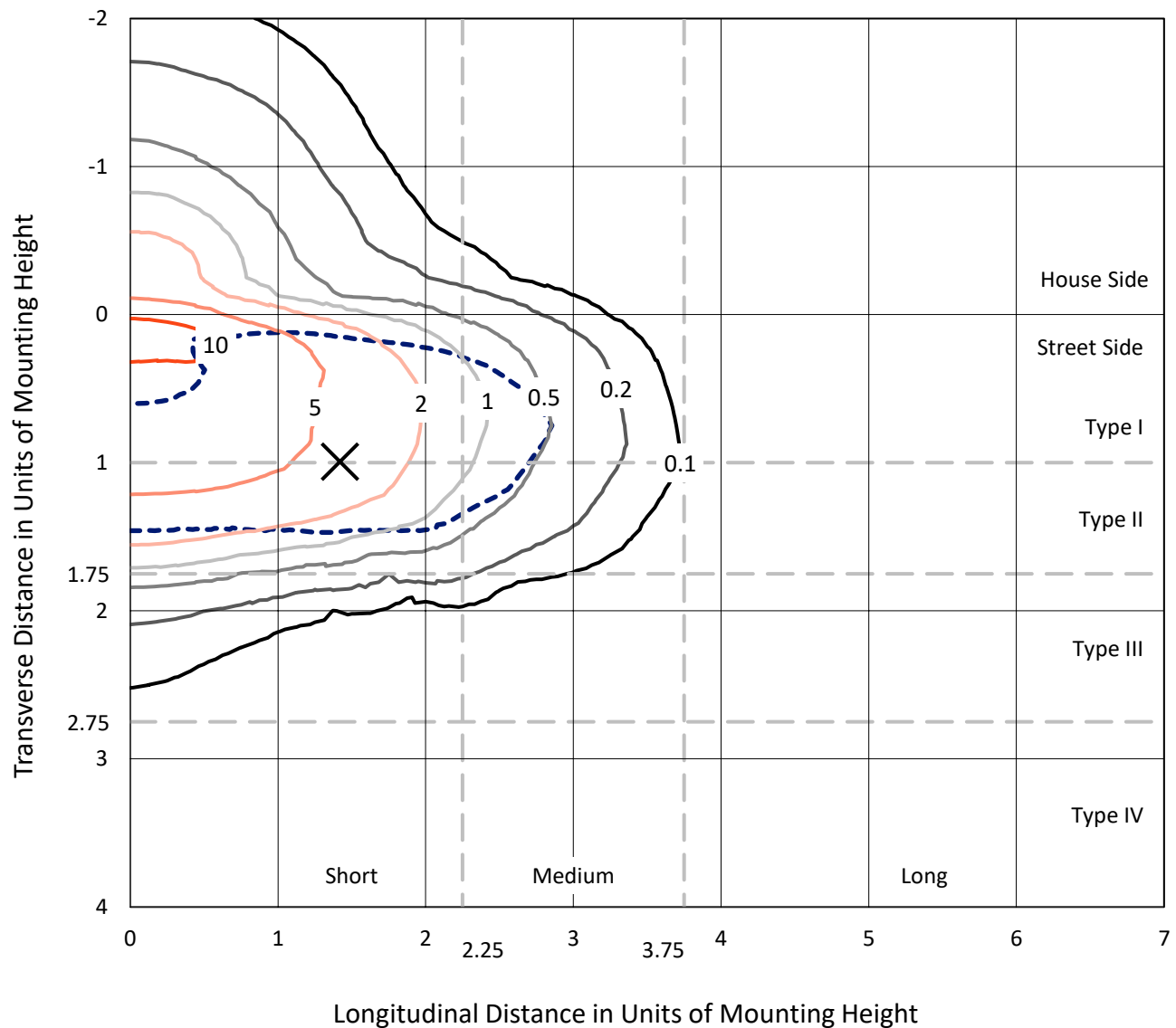
Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

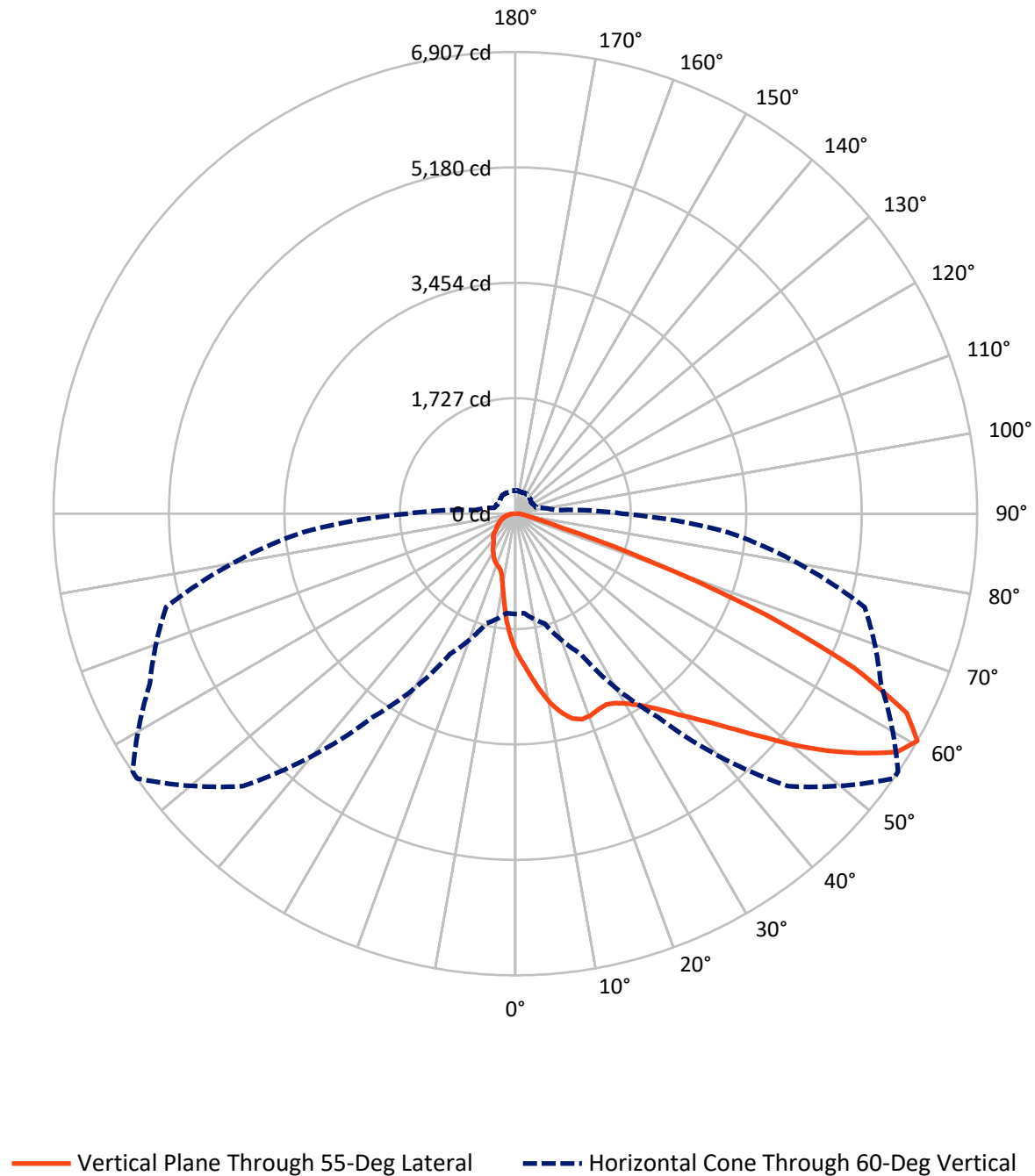


Based on 15 foot mounting height. Maximum calculated value = 13 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1341.7	0.0	1341.7
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	7991.5	0.0	7991.5
	% Fixture	85.6	0.0	85.6
Total	Lumens	9333.2	0.0	9333.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.7	2.1
10°-20°	548.8	5.9
20°-30°	893.6	9.6
30°-40°	1335.5	14.3
40°-50°	1962.9	21.0
50°-60°	2300.6	24.6
60°-70°	1516.9	16.3
70°-80°	483.0	5.2
80°-90°	98.2	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°	9333.2	100.0
0°-180°	9333.2	100.0

Coefficient of Utilization



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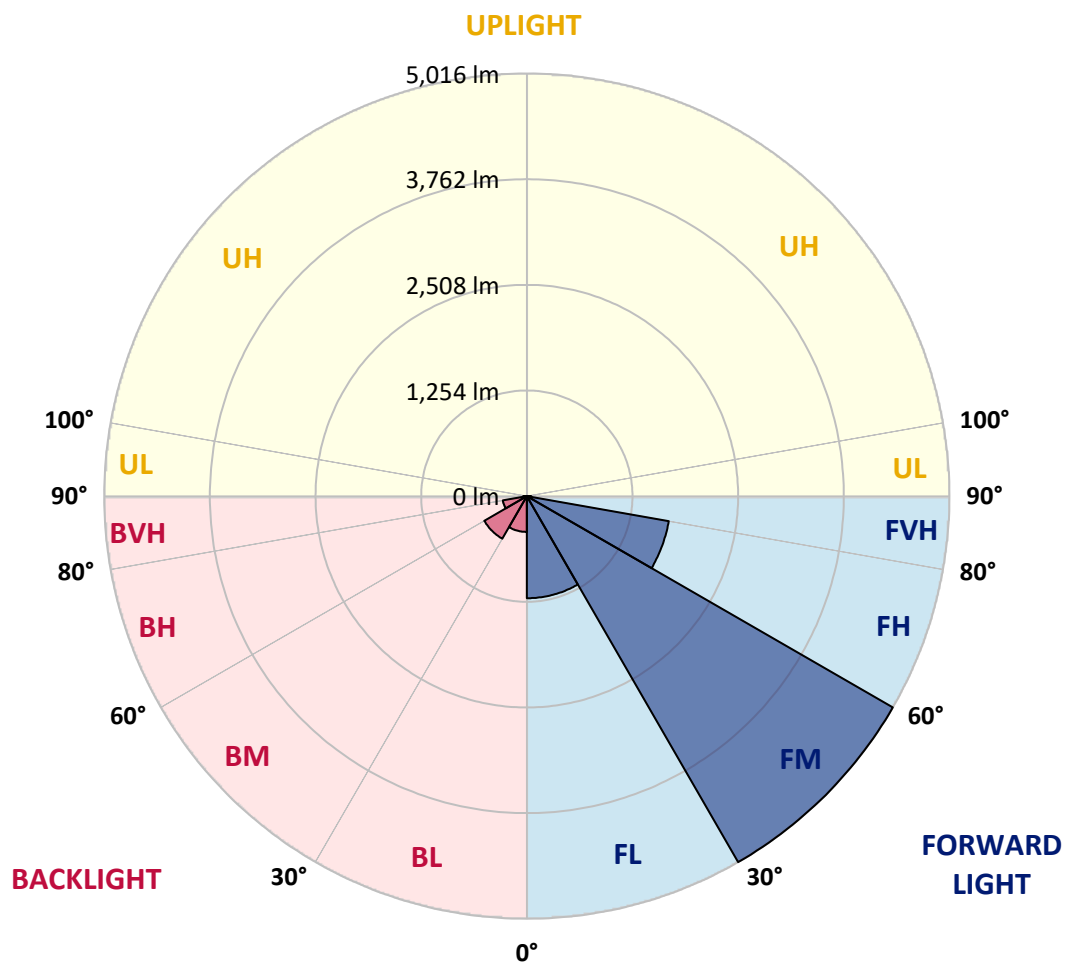
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1211.4	13.0			
FM	(30°-60°)	5015.9	53.7			
FH	(60°-80°)	1710.4	18.3			G1/1800
FVH	(80°-90°)	53.9	0.6			G1/100
BL	(0°-30°)	424.7	4.6	B1/500		
BM	(30°-60°)	583.1	6.2	B1/1000		
BH	(60°-80°)	289.5	3.1	B1/500		G1/500
BVH	(80°-90°)	44.3	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°	2069.9	2069.9	2069.9	2069.9	2069.9	2069.9	2069.9	2069.9	2069.9	2069.9	2069.9
2.5°	2408.8	2400.0	2400.0	2377.7	2344.5	2298.5	2243.7	2230.2	2209.2	2155.8	2086.8
5°	2776.1	2766.6	2753.8	2714.5	2653.0	2561.0	2445.3	2424.3	2349.3	2239.0	2114.5
7.5°	3018.9	3013.5	3009.5	2975.6	2914.8	2824.1	2669.2	2645.5	2518.4	2335.7	2140.9
10°	2993.9	3010.1	3038.6	3062.2	3074.4	3027.7	2882.3	2854.6	2697.0	2448.0	2180.2
12.5°	2759.2	2782.2	2834.9	2931.7	3043.3	3133.3	3050.7	3035.2	2887.7	2567.1	2229.5
15°	2584.7	2594.1	2619.8	2691.5	2857.9	3098.1	3181.3	3167.1	3065.6	2720.0	2286.4
17.5°	2530.5	2534.6	2540.7	2564.4	2678.0	2960.8	3234.7	3248.2	3238.1	2878.9	2350.6
20°	2557.6	2560.3	2561.0	2565.0	2619.2	2845.8	3220.5	3243.5	3389.6	3037.9	2414.2
22.5°	2661.8	2658.4	2653.7	2638.1	2668.5	2825.5	3182.6	3219.2	3506.6	3182.6	2473.1
25°	2843.7	2839.0	2805.9	2773.4	2786.2	2898.5	3162.3	3201.6	3598.0	3319.3	2516.3
27.5°	3060.2	3055.5	3021.6	2960.1	2946.6	3020.3	3209.7	3234.0	3664.9	3440.4	2535.3
30°	3284.8	3284.8	3242.8	3171.8	3128.5	3159.6	3297.0	3316.6	3715.7	3557.4	2547.5
32.5°	3529.6	3536.4	3471.5	3390.3	3342.3	3324.0	3419.4	3436.3	3789.4	3695.4	2573.2
35°	3844.2	3829.3	3750.2	3643.3	3566.2	3524.9	3570.9	3590.5	3897.6	3867.2	2614.4
37.5°	4198.0	4171.6	4074.2	3946.3	3811.7	3742.7	3773.2	3777.9	4057.9	4091.1	2689.5
40°	4490.2	4485.5	4402.9	4281.8	4112.1	4019.4	4004.5	4007.2	4280.5	4356.3	2803.2
42.5°	4736.4	4718.8	4703.9	4661.3	4481.4	4329.2	4268.3	4269.0	4522.0	4630.2	2917.5
45°	4845.3	4841.9	4885.9	4995.5	4866.3	4687.0	4600.4	4612.6	4798.6	4911.6	3027.7
47.5°	4798.6	4801.3	4919.0	5206.5	5283.0	5145.7	4992.1	4984.7	5066.5	5127.4	3125.1
50°	4382.0	4425.9	4744.5	5226.2	5556.3	5624.6	5451.4	5423.7	5301.2	5299.2	3184.7
52.5°	4067.4	4065.4	4260.9	5026.6	5653.0	6056.8	5901.2	5839.0	5495.4	5395.9	3189.4
55°	3642.6	3639.9	3785.3	4442.8	5460.9	6358.5	6325.4	6247.6	5673.3	5427.7	3156.9
57.5°	2758.5	2809.9	2954.7	3556.7	4852.1	6310.5	6730.5	6665.6	5847.1	5413.5	3150.8
60°	1501.0	1494.9	1704.6	2318.1	3715.0	5765.3	6907.1	6903.7	6031.8	5408.1	3188.0
62.5°	692.0	685.2	727.2	1032.2	2130.1	4618.7	6566.2	6614.9	6202.9	5358.7	3184.7
65°	517.5	499.9	443.1	480.3	815.1	2757.2	5577.2	5707.1	5939.1	5155.8	3037.2
67.5°	461.3	444.4	378.1	354.5	409.2	972.7	4045.8	4165.5	4966.4	4775.6	2798.4
70°	422.8	407.9	341.6	304.4	307.1	430.9	2117.9	2353.3	3639.9	3985.6	2385.1
72.5°	385.6	372.7	312.5	267.9	258.4	284.8	721.8	870.6	2264.0	2904.6	1778.4
75°	346.3	334.2	281.4	240.1	221.9	211.0	343.6	370.0	1197.3	1603.8	954.5
77.5°	301.0	294.2	251.0	211.7	196.2	159.6	228.6	240.1	512.7	629.8	454.6
80°	261.8	256.4	223.9	192.1	175.9	123.1	157.6	165.7	253.0	314.5	254.3
82.5°	170.5	184.0	185.3	165.1	154.9	98.8	104.2	110.3	167.8	185.3	110.9
85°	70.3	85.2	127.8	113.6	107.6	83.9	69.0	70.3	102.8	108.2	39.9
87.5°	31.8	35.2	62.9	63.6	55.5	31.8	34.5	37.9	52.8	52.1	17.6
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°	2069.9	2069.9	2069.9	2069.9	2069.9	2069.9	2069.9	2069.9	2069.9	2069.9	2069.9
2.5°	2067.9	2036.8	1981.3	1910.3	1859.5	1822.3	1781.7	1752.0	1718.8	1689.7	1694.5
5°	2063.1	2002.9	1878.5	1746.6	1618.0	1512.5	1424.6	1359.6	1292.7	1266.3	1262.9
7.5°	2067.2	1965.0	1760.8	1545.0	1349.5	1214.9	1112.7	1051.2	1012.6	990.3	991.7
10°	2065.8	1929.2	1633.6	1336.0	1122.2	999.1	936.9	916.6	913.2	915.9	920.0
12.5°	2067.9	1880.5	1490.9	1147.9	959.2	896.3	899.0	917.2	928.7	936.2	940.9
15°	2076.7	1840.6	1344.8	999.8	874.0	876.0	905.1	933.5	950.4	958.5	962.6
17.5°	2089.5	1790.5	1214.9	887.5	838.1	869.2	907.1	937.5	950.4	955.1	958.5
20°	2090.9	1733.0	1083.7	810.4	814.4	855.0	888.2	912.5	928.7	934.2	936.9
22.5°	2084.8	1655.2	949.0	754.2	787.4	828.0	856.4	884.1	862.5	844.9	840.1
25°	2059.1	1557.2	834.0	708.2	753.6	791.4	823.9	793.5	783.3	769.8	771.1
27.5°	2003.6	1434.7	725.8	664.9	713.6	767.8	744.1	740.0	727.2	713.6	713.6
30°	1930.6	1305.5	635.2	619.6	665.6	692.7	698.1	692.0	684.6	667.0	668.3
32.5°	1864.9	1168.9	570.9	581.7	635.2	635.2	658.8	658.8	631.8	582.4	582.4
35°	1800.0	1040.4	523.6	549.9	585.1	596.6	629.1	586.5	547.9	525.6	524.2
37.5°	1749.3	930.8	492.4	522.9	536.4	565.5	566.2	535.1	522.2	501.9	499.9
40°	1719.5	838.8	473.5	509.4	510.7	537.8	493.1	501.9	499.2	483.7	481.6
42.5°	1703.3	767.8	459.3	497.9	491.1	464.7	456.6	471.5	476.2	468.1	464.7
45°	1690.4	712.3	447.8	457.9	475.5	427.5	424.1	435.6	445.8	445.1	442.4
47.5°	1683.7	673.7	437.7	432.9	436.3	405.2	398.4	403.8	416.7	424.8	424.1
50°	1657.3	644.0	422.8	407.2	385.6	385.6	382.2	382.2	397.7	414.0	415.3
52.5°	1610.6	608.8	401.1	382.9	357.8	368.7	370.0	367.3	383.5	401.1	402.5
55°	1559.2	582.4	372.0	360.5	334.8	353.1	359.2	356.5	367.3	379.5	378.8
57.5°	1559.9	581.7	347.0	338.2	313.2	333.5	348.4	349.0	348.4	357.2	357.2
60°	1599.1	595.3	327.4	308.5	288.2	312.5	336.9	336.9	332.1	345.0	346.3
62.5°	1610.6	593.9	315.2	280.0	265.8	293.6	320.0	324.0	320.6	338.9	340.9
65°	1509.1	562.1	303.0	254.3	245.5	272.6	299.0	310.5	307.1	330.8	333.5
67.5°	1368.4	520.9	284.1	231.3	224.6	252.3	277.3	289.5	288.8	320.0	321.3
70°	1179.7	470.1	260.4	207.7	204.3	228.6	251.0	263.8	269.9	305.7	305.1
72.5°	913.9	403.2	224.6	182.6	182.0	204.3	223.9	238.1	249.6	284.1	284.1
75°	589.2	317.2	183.3	158.3	155.6	176.5	196.8	213.1	248.3	303.0	302.4
77.5°	359.9	242.2	147.5	131.9	131.2	150.2	170.5	198.2	271.3	269.9	262.5
80°	215.8	173.8	117.7	105.5	105.5	123.1	145.4	212.4	225.3	257.0	242.8
82.5°	112.3	106.9	87.9	77.8	81.2	96.7	132.6	169.8	184.0	156.3	143.4
85°	46.0	56.8	54.1	49.4	51.4	67.0	127.8	136.0	108.9	114.3	115.0
87.5°	15.6	25.0	25.0	19.6	21.6	47.4	75.8	45.3	54.8	32.5	24.4
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)