

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: P671130

Luminaire Tested: **CCP-SA-2A-760-U-T4W**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671130
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-760-U-T4W
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T4W
distribution lens
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5646.3 lumens
Efficiency: N/A
Efficacy: 156.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

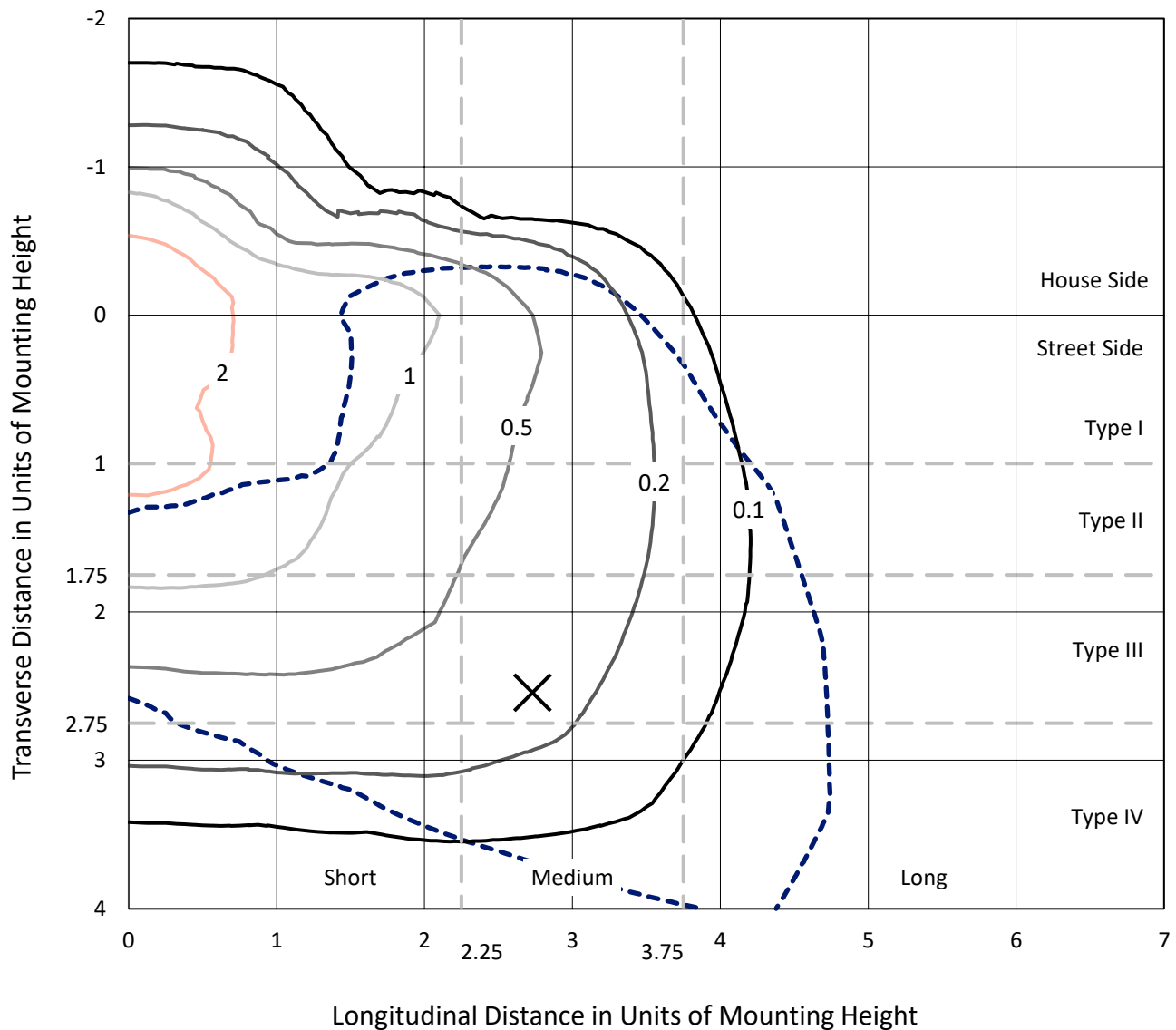
Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

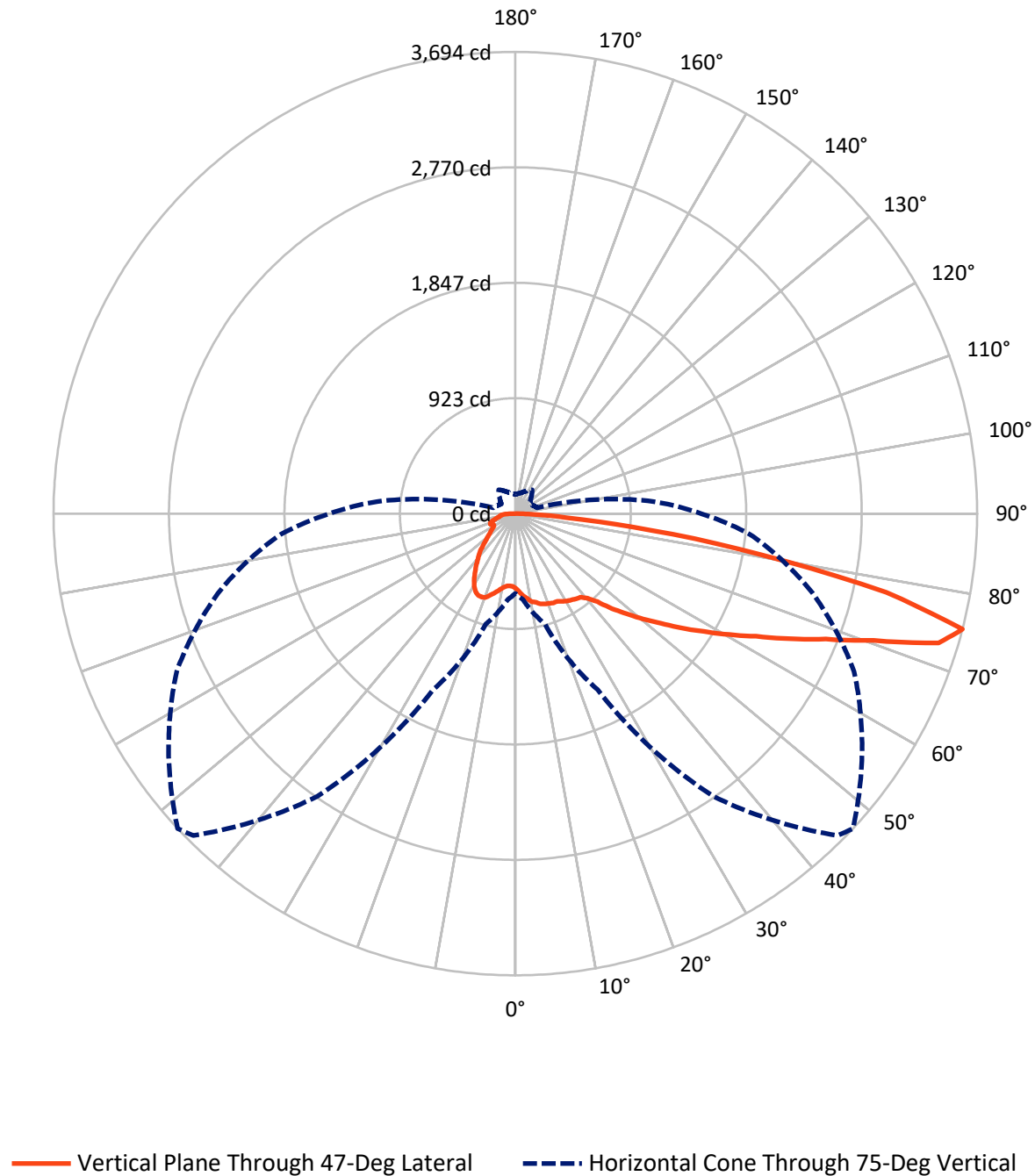
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.4 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1350.3	0.0	1350.3
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	4296.0	0.0	4296.0
	% Fixture	76.1	0.0	76.1
Total	Lumens	5646.3	0.0	5646.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.6	1.1
10°-20°	201.3	3.6
20°-30°	344.7	6.1
30°-40°	482.4	8.5
40°-50°	672.5	11.9
50°-60°	1005.3	17.8
60°-70°	1449.3	25.7
70°-80°	1233.7	21.8
80°-90°	196.5	3.5
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°	5646.3	100.0
0°-180°	5646.3	100.0



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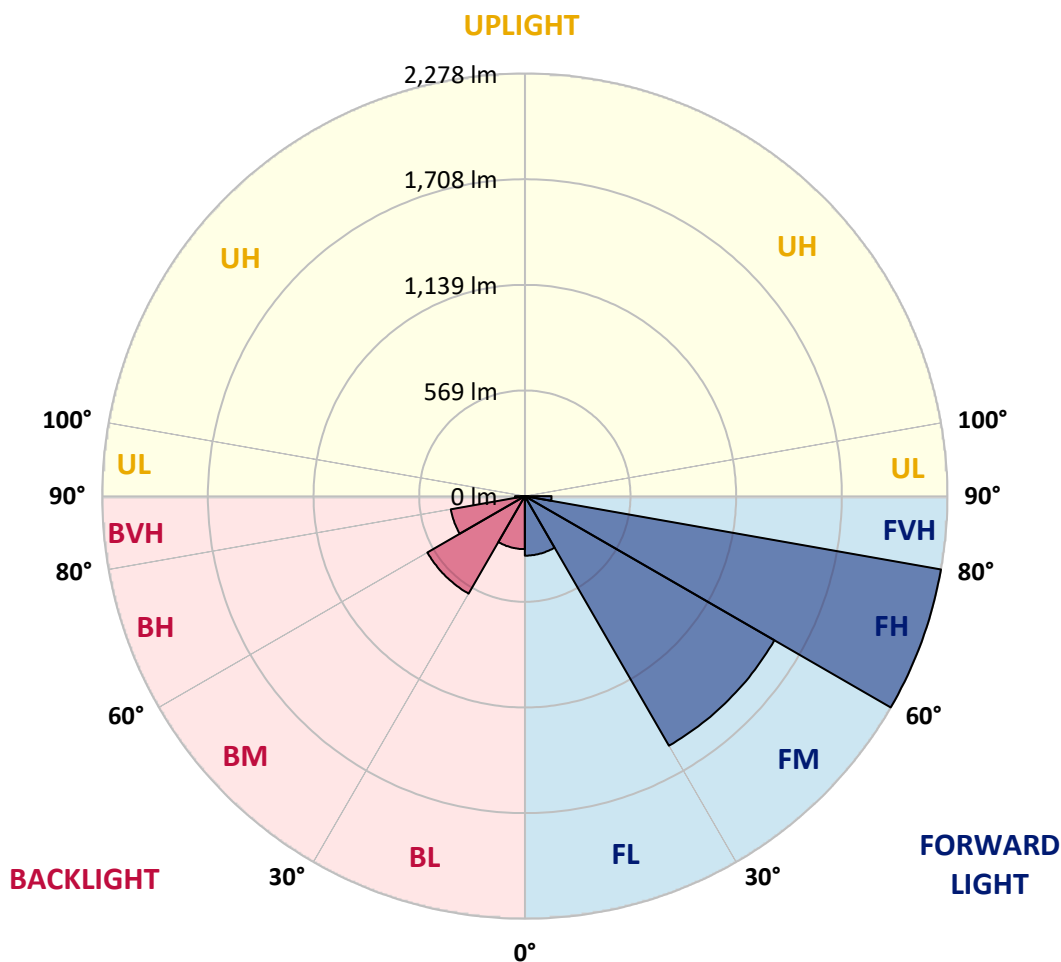
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	320.8	5.7			
FM	(30°-60°)	1553.3	27.5			
FH	(60°-80°)	2278.0	40.3			G2/5000
FVH	(80°-90°)	144.0	2.6			G2/225
BL	(0°-30°)	285.8	5.1	B1/500		
BM	(30°-60°)	606.9	10.7	B1/1000		
BH	(60°-80°)	405.1	7.2	B1/500		G1/500
BVH	(80°-90°)	52.5	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	599.5	599.5	599.5	599.5	599.5	599.5	599.5	599.5	599.5	599.5	599.5
2.5°	642.8	644.8	644.8	640.7	636.6	628.4	628.4	620.1	616.0	605.7	601.6
5°	702.5	696.3	690.2	688.1	677.8	663.4	661.3	653.1	630.4	620.1	605.7
7.5°	745.8	743.7	741.7	733.4	714.9	692.2	686.0	673.7	651.0	630.4	613.9
10°	780.8	789.1	780.8	762.3	743.7	719.0	717.0	694.3	673.7	649.0	628.4
12.5°	820.0	822.0	807.6	784.9	756.1	735.5	727.3	719.0	696.3	675.7	644.8
15°	846.7	842.6	832.3	801.4	768.5	747.9	749.9	739.6	714.9	700.5	667.5
17.5°	846.7	846.7	830.3	807.6	778.8	760.2	760.2	754.0	737.6	717.0	694.3
20°	830.3	830.3	820.0	807.6	774.6	770.5	766.4	762.3	762.3	743.7	710.8
22.5°	809.7	805.5	809.7	789.1	766.4	770.5	776.7	774.6	768.5	752.0	729.3
25°	789.1	791.1	795.2	780.8	760.2	778.8	776.7	787.0	782.9	770.5	752.0
27.5°	787.0	791.1	793.2	778.8	770.5	787.0	795.2	805.5	807.6	795.2	772.6
30°	817.9	815.8	813.8	795.2	789.1	803.5	811.7	826.1	838.5	811.7	793.2
32.5°	898.2	885.9	873.5	824.1	805.5	815.8	824.1	844.7	846.7	832.3	805.5
35°	1026.0	1017.7	976.5	890.0	838.5	828.2	836.4	850.9	855.0	844.7	824.1
37.5°	1172.3	1168.1	1110.5	1005.4	906.5	857.0	848.8	869.4	885.9	863.2	834.4
40°	1316.5	1300.0	1258.8	1155.8	993.0	900.3	890.0	900.3	906.5	890.0	871.5
42.5°	1446.3	1427.7	1417.4	1314.4	1106.3	972.4	964.2	939.5	958.0	937.4	912.7
45°	1555.5	1551.3	1547.2	1458.6	1236.1	1089.8	1083.7	1019.8	1040.4	1023.9	988.9
47.5°	1633.7	1652.3	1646.1	1596.7	1384.5	1215.5	1197.0	1114.6	1145.5	1129.0	1094.0
50°	1726.5	1736.8	1730.6	1697.6	1522.5	1359.7	1324.7	1240.2	1275.3	1273.2	1254.7
52.5°	1808.9	1839.8	1804.7	1802.7	1720.3	1516.3	1456.6	1376.2	1433.9	1456.6	1454.5
55°	1905.7	1930.4	1920.1	1916.0	1897.4	1668.8	1615.2	1518.4	1615.2	1648.2	1677.0
57.5°	1988.1	1986.0	2025.2	2072.6	2095.2	1843.9	1780.0	1666.7	1813.0	1850.1	1930.4
60°	2025.2	2060.2	2126.1	2245.6	2309.5	2031.4	1965.4	1874.8	2012.8	2041.7	2190.0
62.5°	2049.9	2080.8	2208.5	2410.4	2447.5	2223.0	2161.2	2070.5	2231.2	2251.8	2472.2
65°	1981.9	2010.8	2264.2	2472.2	2604.1	2429.0	2414.6	2319.8	2449.6	2461.9	2768.9
67.5°	1903.6	1934.5	2216.8	2550.5	2812.2	2703.0	2680.3	2567.0	2665.9	2651.5	2995.5
70°	1765.6	1806.8	2095.2	2618.5	3042.9	3086.2	3040.9	2880.2	2890.5	2754.5	3005.8
72.5°	1345.3	1372.1	1639.9	2348.6	3150.1	3617.7	3539.4	3218.0	3100.6	2775.1	2653.5
75°	638.7	688.1	914.7	1553.4	2760.7	3642.4	3693.9	3384.9	2989.4	2461.9	1881.0
77.5°	185.4	185.4	278.1	659.3	1730.6	2935.8	3032.6	2874.0	2466.1	1823.3	988.9
80°	101.0	107.1	146.3	232.8	760.2	1852.1	1992.2	1905.7	1452.4	721.1	255.5
82.5°	57.7	59.7	96.8	140.1	346.1	1007.4	1089.8	988.9	552.1	218.4	119.5
85°	33.0	35.0	55.6	92.7	206.0	370.8	403.8	350.2	222.5	146.3	59.7
87.5°	16.5	16.5	26.8	43.3	105.1	105.1	103.0	125.7	133.9	88.6	26.8
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°	599.5	599.5	599.5	599.5	599.5	599.5	599.5	599.5	599.5	599.5	599.5
2.5°	599.5	597.5	597.5	589.2	587.2	581.0	581.0	576.9	574.8	581.0	581.0
5°	601.6	591.3	589.2	581.0	583.0	578.9	587.2	583.0	581.0	581.0	578.9
7.5°	605.7	595.4	587.2	581.0	578.9	585.1	595.4	595.4	607.8	601.6	601.6
10°	616.0	609.8	599.5	595.4	595.4	601.6	613.9	622.2	632.5	632.5	626.3
12.5°	640.7	630.4	618.1	611.9	620.1	626.3	638.7	646.9	659.3	663.4	659.3
15°	659.3	649.0	644.8	640.7	646.9	655.1	665.4	673.7	688.1	692.2	690.2
17.5°	684.0	671.6	669.6	671.6	675.7	681.9	688.1	694.3	704.6	704.6	704.6
20°	696.3	692.2	690.2	696.3	704.6	712.8	708.7	704.6	702.5	706.7	704.6
22.5°	719.0	714.9	717.0	723.1	723.1	719.0	712.8	698.4	694.3	698.4	694.3
25°	739.6	735.5	735.5	731.4	729.3	714.9	702.5	690.2	675.7	681.9	679.9
27.5°	760.2	758.2	758.2	741.7	721.1	696.3	679.9	665.4	657.2	667.5	661.3
30°	784.9	787.0	776.7	737.6	688.1	661.3	642.8	640.7	638.7	644.8	642.8
32.5°	807.6	809.7	793.2	731.4	663.4	611.9	593.3	595.4	605.7	616.0	626.3
35°	820.0	830.3	809.7	710.8	613.9	556.3	535.7	554.2	572.7	587.2	597.5
37.5°	842.6	869.4	834.4	688.1	570.7	506.8	492.4	498.6	521.2	543.9	554.2
40°	875.6	906.5	840.6	644.8	513.0	457.4	449.1	451.2	459.4	473.8	484.1
42.5°	933.3	966.2	846.7	589.2	455.3	426.5	403.8	397.6	391.4	391.4	389.4
45°	1017.7	1048.6	838.5	519.2	397.6	377.0	360.5	346.1	329.6	302.9	307.0
47.5°	1141.4	1166.1	844.7	457.4	344.1	327.6	315.2	298.7	274.0	245.2	243.1
50°	1328.8	1291.7	836.4	393.5	304.9	290.5	280.2	257.5	228.7	208.1	206.0
52.5°	1547.2	1473.0	828.2	339.9	271.9	259.6	251.3	226.6	199.8	189.5	187.5
55°	1810.9	1703.8	840.6	292.5	247.2	236.9	228.7	206.0	185.4	177.2	175.1
57.5°	2122.0	1953.1	908.6	255.5	220.4	216.3	214.3	195.7	177.2	171.0	168.9
60°	2414.6	2192.1	953.9	228.7	195.7	199.8	204.0	195.7	175.1	171.0	171.0
62.5°	2659.7	2389.8	881.8	206.0	183.4	195.7	214.3	208.1	199.8	204.0	199.8
65°	2876.0	2457.8	659.3	193.7	177.2	206.0	236.9	234.9	216.3	220.4	218.4
67.5°	2913.1	2375.4	430.6	183.4	173.1	226.6	265.8	241.0	204.0	204.0	197.8
70°	2758.6	2155.0	288.4	173.1	171.0	226.6	271.9	226.6	191.6	191.6	183.4
72.5°	2264.2	1722.3	222.5	162.8	156.6	201.9	257.5	214.3	179.2	175.1	160.7
75°	1487.5	1110.5	181.3	154.5	136.0	177.2	232.8	197.8	171.0	158.6	152.5
77.5°	729.3	498.6	152.5	136.0	117.4	154.5	212.2	187.5	160.7	148.3	144.2
80°	199.8	179.2	127.7	119.5	98.9	133.9	199.8	179.2	150.4	138.0	131.9
82.5°	113.3	111.3	103.0	96.8	82.4	133.9	201.9	179.2	142.2	140.1	119.5
85°	61.8	65.9	74.2	72.1	63.9	119.5	191.6	156.6	115.4	96.8	96.8
87.5°	24.7	30.9	37.1	41.2	43.3	88.6	144.2	119.5	88.6	74.2	74.2
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)