

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: P670687

Luminaire Tested: **CCP-SA-2A-750-U-T2**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P670687
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-750-U-T2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T2
distribution lens
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5583 lumens
Efficiency: N/A
Efficacy: 154.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

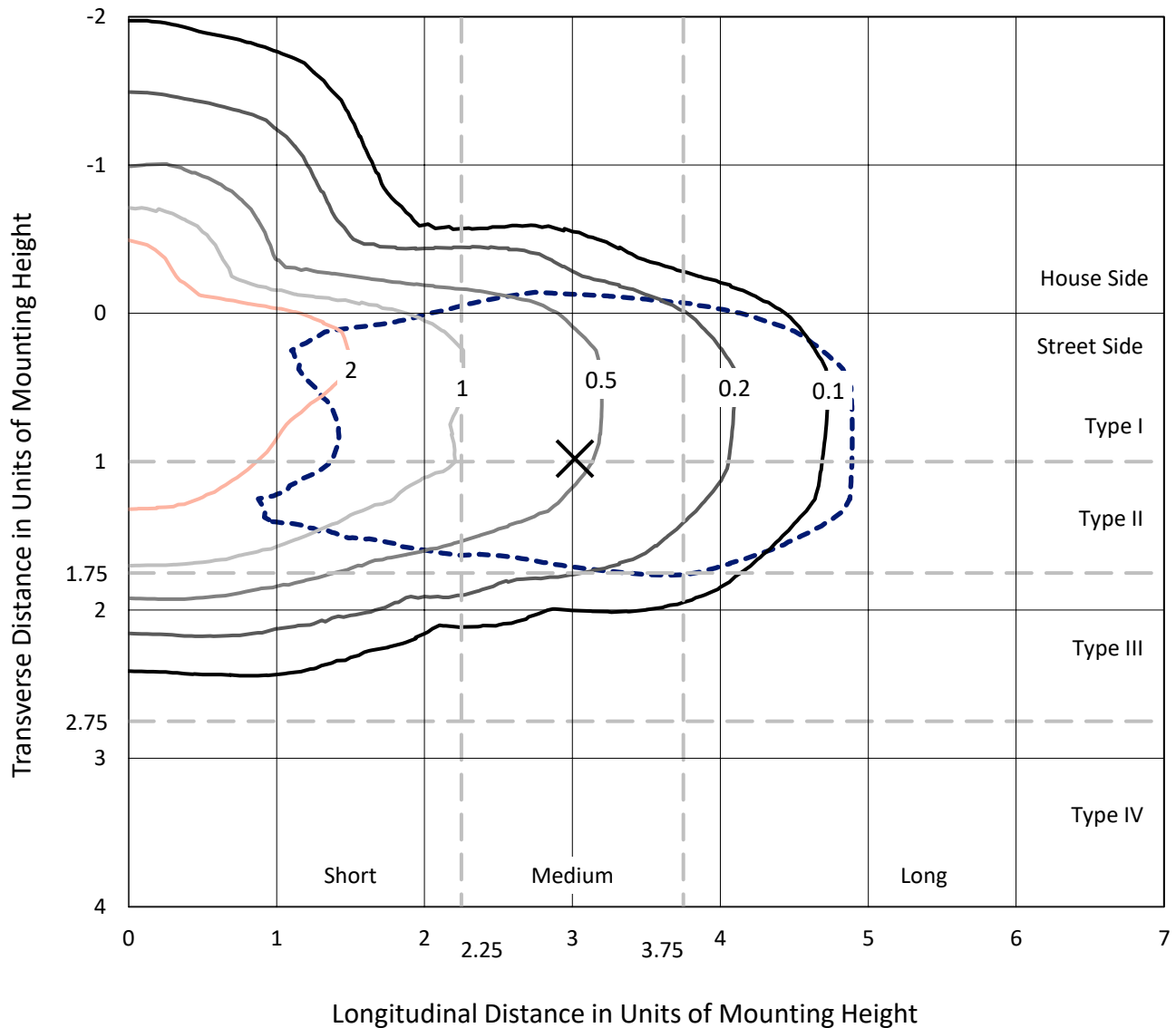
Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

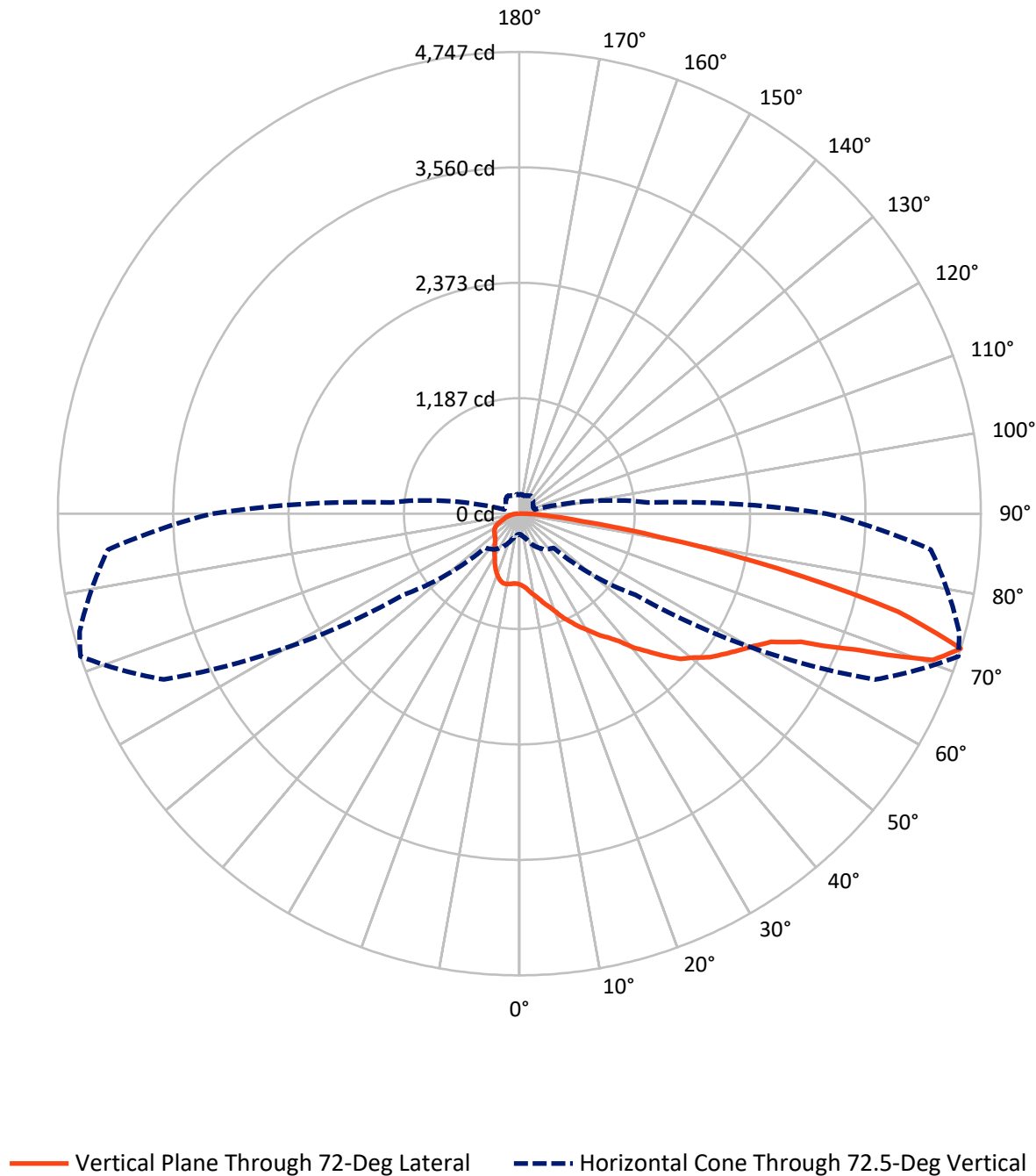
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1175.0	0.0	1175.0
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	4408.0	0.0	4408.0
	% Fixture	79.0	0.0	79.0
Total	Lumens	5583.0	0.0	5583.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.1	1.3
10°-20°	224.0	4.0
20°-30°	387.7	6.9
30°-40°	572.6	10.3
40°-50°	851.6	15.3
50°-60°	1167.5	20.9
60°-70°	1266.3	22.7
70°-80°	892.8	16.0
80°-90°	148.3	2.7
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°	5583.0	100.0
0°-180°	5583.0	100.0

Coefficient of Utilization



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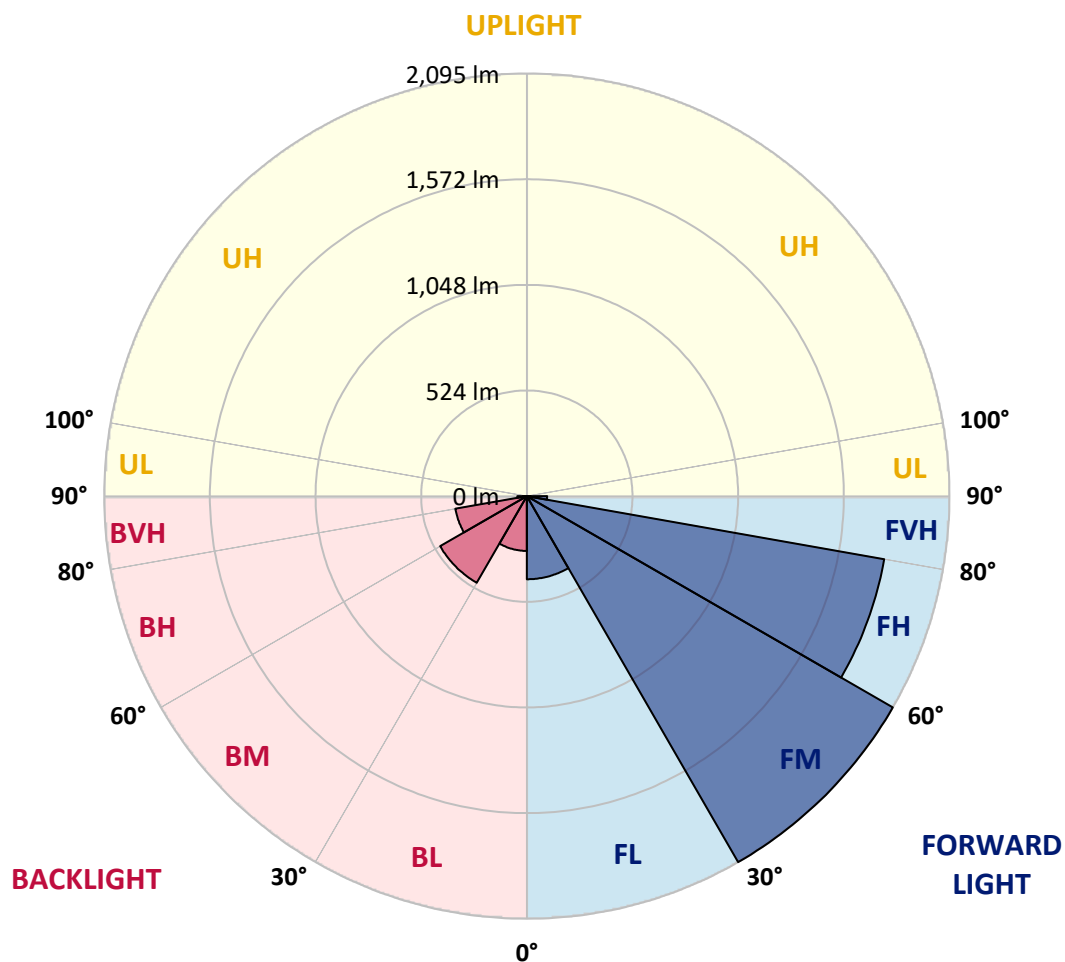
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	412.3	7.4			
FM	(30°-60°)	2095.4	37.5			
FH	(60°-80°)	1799.2	32.2			G1/1800
FVH	(80°-90°)	101.1	1.8			G2/225
BL	(0°-30°)	271.6	4.9	B1/500		
BM	(30°-60°)	496.3	8.9	B1/1000		
BH	(60°-80°)	359.9	6.4	B1/500		G1/500
BVH	(80°-90°)	47.2	0.8			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	729.3	729.3	729.3	729.3	729.3	729.3	729.3	729.3	729.3	729.3	729.3
2.5°	787.0	787.0	780.8	778.7	778.7	762.3	764.3	754.0	745.8	745.8	737.5
5°	828.2	824.1	824.1	824.1	813.8	807.6	805.5	787.0	772.6	774.6	749.9
7.5°	838.5	840.5	842.6	852.9	846.7	850.8	846.7	826.1	815.8	805.5	782.9
10°	844.7	848.8	848.8	863.2	863.2	873.5	879.7	871.4	852.9	842.6	805.5
12.5°	859.1	852.9	861.1	871.4	881.7	900.3	918.8	910.6	898.2	885.9	844.7
15°	859.1	861.1	867.3	883.8	900.3	918.8	951.8	964.1	958.0	935.3	892.0
17.5°	834.4	828.2	857.0	887.9	918.8	941.5	984.7	1013.6	1009.5	1001.2	935.3
20°	836.4	842.6	852.9	879.7	929.1	970.3	1023.9	1071.3	1081.6	1077.5	993.0
22.5°	873.5	875.6	885.9	898.2	937.4	990.9	1071.3	1147.5	1166.0	1155.7	1056.9
25°	910.6	927.1	927.1	935.3	949.7	1005.3	1102.2	1209.3	1236.1	1238.1	1122.8
27.5°	970.3	974.4	986.8	990.9	1003.3	1036.3	1137.2	1254.6	1316.4	1308.2	1182.5
30°	1040.4	1042.4	1050.7	1046.6	1048.6	1089.8	1170.2	1306.1	1390.6	1392.7	1246.4
32.5°	1122.8	1139.3	1143.4	1116.6	1120.7	1131.0	1221.7	1367.9	1483.3	1468.9	1302.0
35°	1244.3	1250.5	1238.1	1225.8	1194.9	1188.7	1275.2	1429.7	1563.6	1580.1	1384.4
37.5°	1394.7	1411.2	1394.7	1328.8	1295.8	1271.1	1341.2	1497.7	1660.5	1716.1	1466.8
40°	1534.8	1532.7	1516.3	1456.5	1398.8	1380.3	1435.9	1592.5	1810.9	1864.4	1586.3
42.5°	1648.1	1641.9	1631.6	1586.3	1532.7	1501.8	1545.1	1691.4	1936.5	2039.5	1724.3
45°	1747.0	1738.8	1740.8	1689.3	1637.8	1654.3	1654.3	1804.7	2084.9	2212.6	1883.0
47.5°	1839.7	1843.8	1837.6	1798.5	1759.4	1802.6	1780.0	1934.5	2231.1	2373.3	2016.9
50°	1946.8	1955.1	1934.5	1909.8	1874.7	1918.0	1889.2	2056.0	2325.9	2519.6	2177.6
52.5°	2047.8	2056.0	2074.6	2043.7	2008.6	2043.7	1977.7	2169.3	2451.6	2661.7	2301.2
55°	2072.5	2068.4	2171.4	2204.4	2222.9	2117.8	2056.0	2266.2	2550.5	2752.4	2441.3
57.5°	1959.2	1969.5	2109.6	2204.4	2402.1	2311.5	2144.6	2379.5	2653.5	2871.8	2571.1
60°	1677.0	1683.1	1858.2	2082.8	2371.2	2492.8	2383.6	2525.7	2766.8	2972.8	2717.3
62.5°	1120.7	1168.1	1386.5	1738.8	2152.8	2542.2	2764.7	2773.0	2904.8	3100.5	2917.2
65°	591.3	613.9	784.9	1069.2	1631.6	2371.2	3123.2	3263.3	3180.9	3335.4	3205.6
67.5°	387.3	395.5	488.3	648.9	941.5	1730.5	3164.4	4114.1	3735.0	3782.4	3667.1
70°	288.4	292.5	360.5	480.0	583.0	925.0	2593.7	4511.7	4509.7	4384.0	4215.1
72.5°	212.2	218.4	265.8	366.7	449.1	498.6	1458.6	4035.8	4746.6	4682.7	4248.0
75°	166.9	171.0	195.7	284.3	362.6	327.6	739.6	2989.3	4025.5	4332.5	3887.5
77.5°	136.0	140.1	154.5	206.0	290.5	253.4	354.3	1928.3	2729.7	3119.1	2974.8
80°	113.3	113.3	123.6	146.3	224.6	191.6	210.1	1083.6	1470.9	1623.4	1349.4
82.5°	96.8	94.8	103.0	107.1	166.9	138.0	136.0	490.3	646.9	686.0	506.8
85°	61.8	63.9	96.8	92.7	109.2	94.8	76.2	232.8	304.9	311.1	189.5
87.5°	24.7	24.7	41.2	51.5	61.8	57.7	37.1	105.1	133.9	133.9	53.6
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°	729.3	729.3	729.3	729.3	729.3	729.3	729.3	729.3	729.3	729.3	729.3
2.5°	735.5	727.2	721.1	716.9	706.6	696.3	698.4	696.3	688.1	684.0	684.0
5°	743.7	735.5	725.2	708.7	698.4	686.0	690.1	681.9	673.7	679.8	669.5
7.5°	764.3	749.9	735.5	710.7	694.3	675.7	667.5	663.4	657.2	653.1	653.1
10°	793.2	772.6	745.8	708.7	681.9	653.1	648.9	640.7	634.5	634.5	632.5
12.5°	822.0	799.3	754.0	694.3	648.9	628.3	626.3	628.3	632.5	634.5	636.6
15°	859.1	822.0	752.0	667.5	622.2	613.9	624.2	632.5	640.7	648.9	646.9
17.5°	894.1	850.8	733.4	634.5	599.5	601.6	620.1	636.6	653.1	661.3	663.4
20°	941.5	877.6	706.6	595.4	576.8	595.4	620.1	640.7	659.2	669.5	671.6
22.5°	995.0	908.5	671.6	560.4	558.3	576.8	601.6	632.5	653.1	671.6	669.5
25°	1042.4	929.1	626.3	531.5	535.6	548.0	576.8	609.8	630.4	651.0	644.8
27.5°	1073.3	933.2	578.9	510.9	510.9	523.3	550.1	570.7	589.2	605.7	607.7
30°	1108.4	925.0	525.3	484.1	484.1	500.6	510.9	523.3	533.6	537.7	541.8
32.5°	1149.6	906.5	492.4	463.5	463.5	475.9	482.1	478.0	475.9	465.6	471.8
35°	1188.7	879.7	455.3	436.8	445.0	451.2	449.1	436.8	424.4	405.8	399.7
37.5°	1236.1	852.9	422.3	407.9	422.3	424.4	424.4	410.0	393.5	370.8	370.8
40°	1308.2	832.3	395.5	389.4	403.8	401.7	391.4	381.1	387.3	374.9	374.9
42.5°	1384.4	824.1	370.8	372.9	379.1	381.1	370.8	358.5	383.2	368.8	370.8
45°	1479.2	830.2	354.3	352.3	366.7	364.6	358.5	348.2	356.4	319.3	309.0
47.5°	1567.8	842.6	346.1	337.9	354.3	358.5	350.2	327.6	315.2	292.5	288.4
50°	1648.1	869.4	337.9	321.4	337.9	346.1	331.7	307.0	292.5	278.1	278.1
52.5°	1724.3	908.5	333.7	302.8	317.3	327.6	319.3	294.6	278.1	271.9	265.8
55°	1802.6	943.5	327.6	290.5	294.6	315.2	313.1	280.2	263.7	263.7	261.6
57.5°	1913.9	990.9	319.3	269.9	278.1	300.8	300.8	274.0	255.5	257.5	259.6
60°	2027.2	1046.6	311.1	249.3	255.5	286.4	290.5	265.8	249.3	251.3	249.3
62.5°	2208.5	1149.6	294.6	224.6	236.9	267.8	278.1	255.5	241.0	245.2	245.2
65°	2482.5	1326.7	259.6	204.0	218.4	251.3	265.8	245.2	228.7	241.0	236.9
67.5°	2923.3	1569.8	218.4	187.5	206.0	234.9	251.3	232.8	218.4	236.9	230.7
70°	3318.9	1689.3	187.5	173.1	187.5	216.3	234.9	220.4	206.0	224.6	216.3
72.5°	3158.2	1324.7	162.8	156.6	171.0	195.7	218.4	204.0	189.5	199.8	191.6
75°	2725.6	1054.8	142.1	140.1	152.5	177.2	199.8	189.5	175.1	179.2	175.1
77.5°	2066.3	871.4	121.5	119.5	129.8	158.6	179.2	171.0	156.6	154.5	154.5
80°	922.9	428.5	100.9	100.9	107.1	136.0	152.5	148.3	133.9	131.8	129.8
82.5°	302.8	162.8	82.4	78.3	86.5	113.3	136.0	131.8	117.4	113.3	109.2
85°	121.5	78.3	59.7	59.7	68.0	94.8	121.5	113.3	94.8	84.5	84.5
87.5°	41.2	33.0	30.9	30.9	43.3	63.9	90.6	76.2	68.0	59.7	61.8
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)