

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: P674840

Luminaire Tested: **CCW-SA-2A-740-U-T2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674840
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2A-740-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
T2 distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5458 lumens
Efficiency: N/A
Efficacy: 150.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

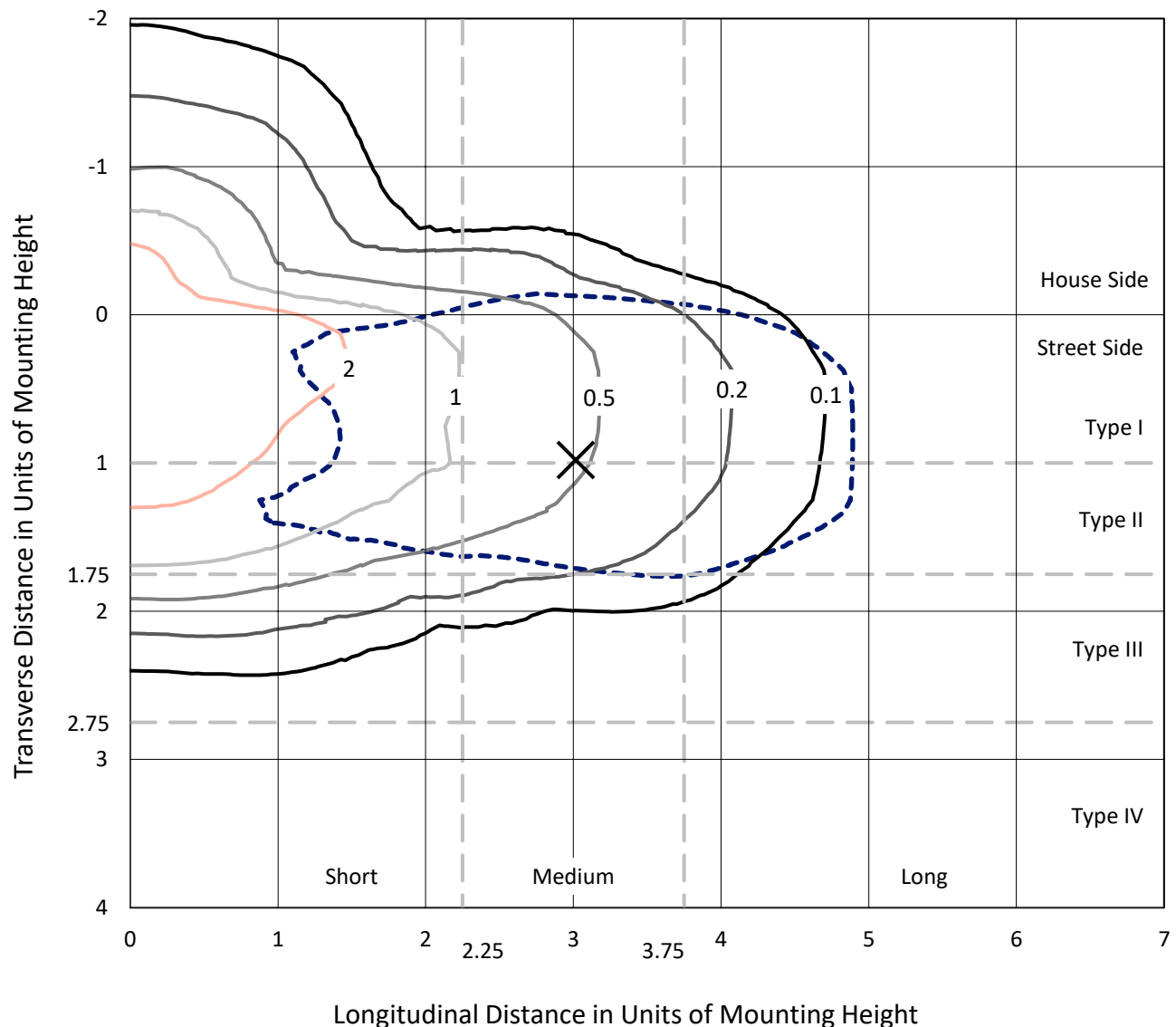
Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

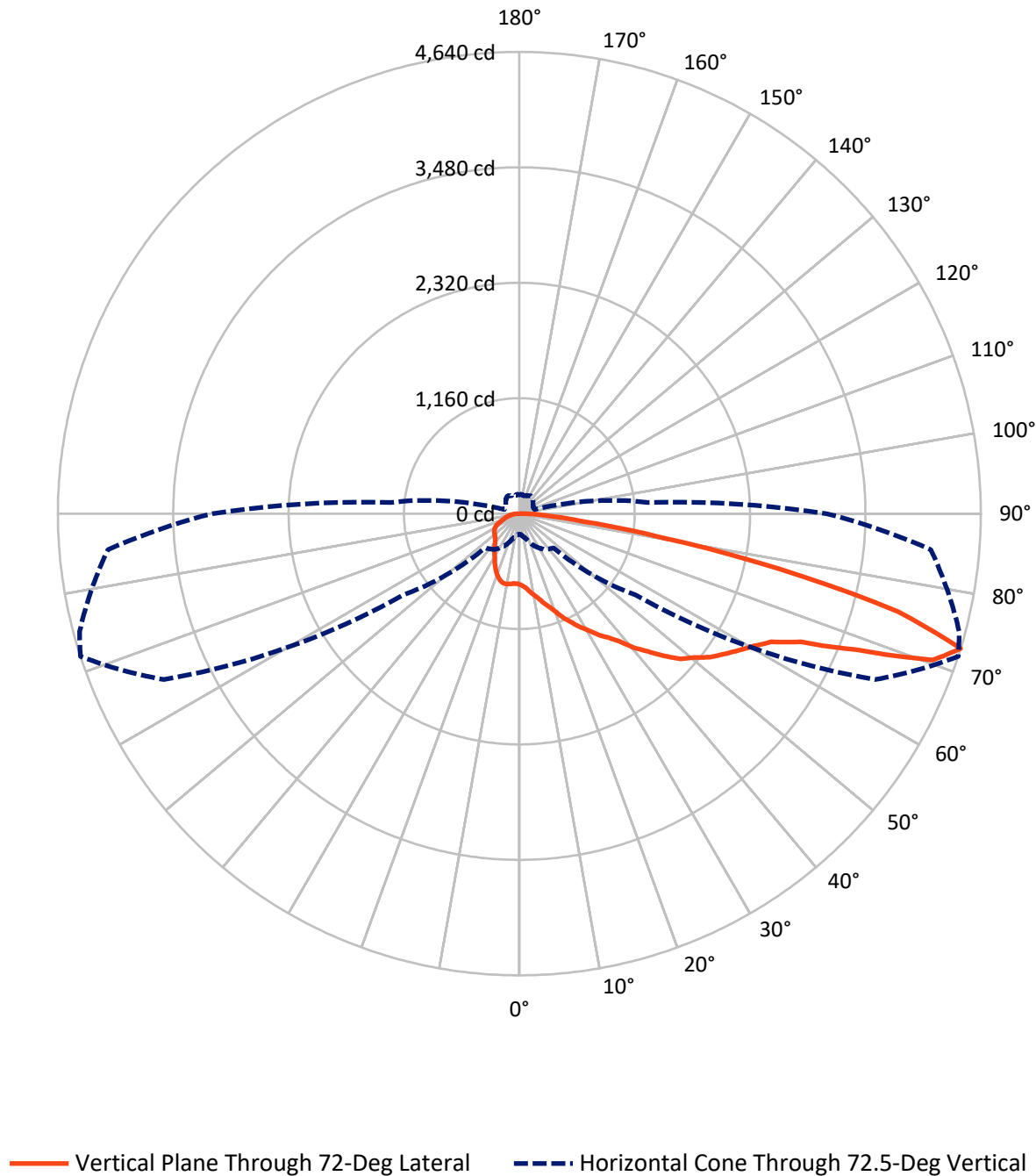
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4 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	1148.7	0.0	1148.7
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	4309.3	0.0	4309.3
	% Fixture	79.0	0.0	79.0
Total	Lumens	5458.0	0.0	5458.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.5	1.3
10°-20°	219.0	4.0
20°-30°	379.0	6.9
30°-40°	559.8	10.3
40°-50°	832.5	15.3
50°-60°	1141.3	20.9
60°-70°	1238.0	22.7
70°-80°	872.8	16.0
80°-90°	145.0	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°	5458.0	100.0
0°-180°	5458.0	100.0

Coefficient of Utilization



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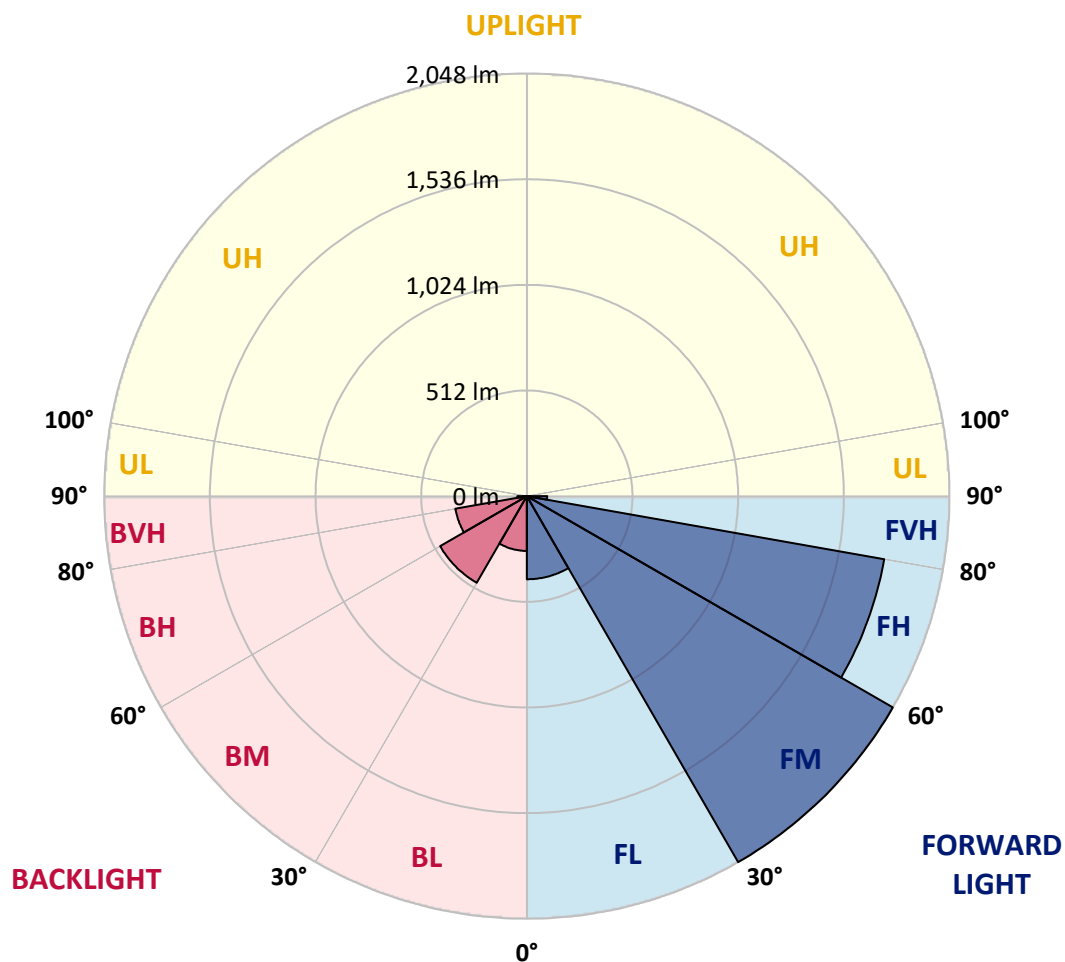
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	403.0	7.4			
FM	(30°-60°)	2048.5	37.5			
FH	(60°-80°)	1758.9	32.2			G1/1800
FVH	(80°-90°)	98.9	1.8			G1/100
BL	(0°-30°)	265.5	4.9	B1/500		
BM	(30°-60°)	485.2	8.9	B1/1000		
BH	(60°-80°)	351.9	6.4	B1/500		G1/500
BVH	(80°-90°)	46.1	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-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	713.0	713.0	713.0	713.0	713.0	713.0	713.0	713.0	713.0	713.0	713.0
2.5°	769.4	769.4	763.3	761.3	761.3	745.2	747.2	737.1	729.1	729.1	721.0
5°	809.6	805.6	805.6	805.6	795.5	789.5	787.5	769.4	755.3	757.3	733.1
7.5°	819.7	821.7	823.7	833.8	827.8	831.8	827.8	807.6	797.6	787.5	765.3
10°	825.7	829.8	829.8	843.9	843.9	853.9	860.0	851.9	833.8	823.7	787.5
12.5°	839.8	833.8	841.9	851.9	862.0	880.1	898.3	890.2	878.1	866.0	825.7
15°	839.8	841.9	847.9	864.0	880.1	898.3	930.5	942.6	936.5	914.4	872.1
17.5°	815.7	809.6	837.8	868.0	898.3	920.4	962.7	990.9	986.9	978.8	914.4
20°	817.7	823.7	833.8	860.0	908.3	948.6	1001.0	1047.3	1057.4	1053.3	970.8
22.5°	853.9	856.0	866.0	878.1	916.4	968.7	1047.3	1121.8	1139.9	1129.9	1033.2
25°	890.2	906.3	906.3	914.4	928.5	982.8	1077.5	1182.2	1208.4	1210.4	1097.6
27.5°	948.6	952.6	964.7	968.7	980.8	1013.1	1111.7	1226.5	1287.0	1278.9	1156.0
30°	1017.1	1019.1	1027.2	1023.1	1025.1	1065.4	1144.0	1276.9	1359.5	1361.5	1218.5
32.5°	1097.6	1113.8	1117.8	1091.6	1095.6	1105.7	1194.3	1337.3	1450.1	1436.0	1272.9
35°	1216.5	1222.5	1210.4	1198.3	1168.1	1162.1	1246.7	1397.7	1528.6	1544.8	1353.4
37.5°	1363.5	1379.6	1363.5	1299.0	1266.8	1242.7	1311.1	1464.2	1623.3	1677.7	1434.0
40°	1500.4	1498.4	1482.3	1423.9	1367.5	1349.4	1403.8	1556.8	1770.3	1822.7	1550.8
42.5°	1611.2	1605.2	1595.1	1550.8	1498.4	1468.2	1510.5	1653.5	1893.2	1993.9	1685.7
45°	1707.9	1699.8	1701.8	1651.5	1601.1	1617.3	1617.3	1764.3	2038.2	2163.1	1840.8
47.5°	1798.5	1802.5	1796.5	1758.2	1720.0	1762.3	1740.1	1891.2	2181.2	2320.2	1971.7
50°	1903.3	1911.3	1891.2	1867.0	1832.8	1875.1	1846.9	2010.0	2273.8	2463.1	2128.8
52.5°	2001.9	2010.0	2028.1	1997.9	1963.7	1997.9	1933.5	2120.8	2396.7	2602.1	2249.7
55°	2026.1	2022.1	2122.8	2155.0	2173.1	2070.4	2010.0	2215.4	2493.4	2690.7	2386.6
57.5°	1915.3	1925.4	2062.4	2155.0	2348.3	2259.7	2096.6	2326.2	2594.1	2807.5	2513.5
60°	1639.4	1645.5	1816.6	2036.2	2318.1	2437.0	2330.2	2469.2	2704.8	2906.2	2656.5
62.5°	1095.6	1142.0	1355.4	1699.8	2104.7	2485.3	2702.8	2710.9	2839.8	3031.1	2851.9
65°	578.0	600.2	767.3	1045.3	1595.1	2318.1	3053.3	3190.2	3109.7	3260.7	3133.8
67.5°	378.6	386.7	477.3	634.4	920.4	1691.8	3093.5	4022.0	3651.4	3697.7	3585.0
70°	282.0	286.0	352.5	469.3	570.0	904.3	2535.7	4410.7	4408.7	4285.8	4120.7
72.5°	207.4	213.5	259.8	358.5	439.1	487.4	1425.9	3945.5	4640.3	4577.9	4152.9
75°	163.1	167.2	191.3	277.9	354.5	320.2	723.0	2922.3	3935.4	4235.5	3800.5
77.5°	132.9	137.0	151.1	201.4	284.0	247.7	346.4	1885.1	2668.6	3049.2	2908.2
80°	110.8	110.8	120.8	143.0	219.5	187.3	205.4	1059.4	1438.0	1587.0	1319.2
82.5°	94.7	92.6	100.7	104.7	163.1	134.9	132.9	479.3	632.4	670.7	495.4
85°	60.4	62.4	94.7	90.6	106.7	92.6	74.5	227.6	298.1	304.1	185.3
87.5°	24.2	24.2	40.3	50.4	60.4	56.4	36.3	102.7	130.9	130.9	52.4
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°	713.0	713.0	713.0	713.0	713.0	713.0	713.0	713.0	713.0	713.0	713.0
2.5°	719.0	710.9	704.9	700.9	690.8	680.7	682.8	680.7	672.7	668.7	668.7
5°	727.1	719.0	708.9	692.8	682.8	670.7	674.7	666.6	658.6	664.6	654.6
7.5°	747.2	733.1	719.0	694.8	678.7	660.6	652.5	648.5	642.5	638.4	638.4
10°	775.4	755.3	729.1	692.8	666.6	638.4	634.4	626.4	620.3	620.3	618.3
12.5°	803.6	781.4	737.1	678.7	634.4	614.3	612.3	614.3	618.3	620.3	622.3
15°	839.8	803.6	735.1	652.5	608.2	600.2	610.2	618.3	626.4	634.4	632.4
17.5°	874.1	831.8	717.0	620.3	586.1	588.1	606.2	622.3	638.4	646.5	648.5
20°	920.4	858.0	690.8	582.1	563.9	582.1	606.2	626.4	644.5	654.6	656.6
22.5°	972.8	888.2	656.6	547.8	545.8	563.9	588.1	618.3	638.4	656.6	654.6
25°	1019.1	908.3	612.3	519.6	523.6	535.7	563.9	596.2	616.3	636.4	630.4
27.5°	1049.3	912.4	565.9	499.5	499.5	511.6	537.7	557.9	576.0	592.1	594.1
30°	1083.5	904.3	513.6	473.3	473.3	489.4	499.5	511.6	521.6	525.7	529.7
32.5°	1123.8	886.2	481.4	453.2	453.2	465.2	471.3	467.3	465.2	455.2	461.2
35°	1162.1	860.0	445.1	427.0	435.0	441.1	439.1	427.0	414.9	396.8	390.7
37.5°	1208.4	833.8	412.9	398.8	412.9	414.9	414.9	400.8	384.7	362.5	362.5
40°	1278.9	813.7	386.7	380.7	394.7	392.7	382.7	372.6	378.6	366.6	366.6
42.5°	1353.4	805.6	362.5	364.5	370.6	372.6	362.5	350.4	374.6	360.5	362.5
45°	1446.1	811.7	346.4	344.4	358.5	356.5	350.4	340.4	348.4	312.2	302.1
47.5°	1532.7	823.7	338.4	330.3	346.4	350.4	342.4	320.2	308.1	286.0	282.0
50°	1611.2	849.9	330.3	314.2	330.3	338.4	324.3	300.1	286.0	271.9	271.9
52.5°	1685.7	888.2	326.3	296.1	310.2	320.2	312.2	288.0	271.9	265.9	259.8
55°	1762.3	922.4	320.2	284.0	288.0	308.1	306.1	273.9	257.8	257.8	255.8
57.5°	1871.0	968.7	312.2	263.8	271.9	294.0	294.0	267.9	249.7	251.8	253.8
60°	1981.8	1023.1	304.1	243.7	249.7	279.9	284.0	259.8	243.7	245.7	243.7
62.5°	2159.0	1123.8	288.0	219.5	231.6	261.8	271.9	249.7	235.6	239.7	239.7
65°	2426.9	1297.0	253.8	199.4	213.5	245.7	259.8	239.7	223.6	235.6	231.6
67.5°	2857.9	1534.7	213.5	183.3	201.4	229.6	245.7	227.6	213.5	231.6	225.6
70°	3244.6	1651.5	183.3	169.2	183.3	211.5	229.6	215.5	201.4	219.5	211.5
72.5°	3087.5	1295.0	159.1	153.1	167.2	191.3	213.5	199.4	185.3	195.4	187.3
75°	2664.6	1031.2	139.0	137.0	149.0	173.2	195.4	185.3	171.2	175.2	171.2
77.5°	2020.1	851.9	118.8	116.8	126.9	155.1	175.2	167.2	153.1	151.1	151.1
80°	902.3	418.9	98.7	98.7	104.7	132.9	149.0	145.0	130.9	128.9	126.9
82.5°	296.1	159.1	80.6	76.5	84.6	110.8	132.9	128.9	114.8	110.8	106.7
85°	118.8	76.5	58.4	58.4	66.5	92.6	118.8	110.8	92.6	82.6	82.6
87.5°	40.3	32.2	30.2	30.2	42.3	62.4	88.6	74.5	66.5	58.4	60.4
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)