

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: P674819

Luminaire Tested: **CCW-SA-2B-730-U-T2**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P674819
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2B-730-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
T2 distribution lens
Light Source: (32) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6273.1 lumens
Efficiency: N/A
Efficacy: 136.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

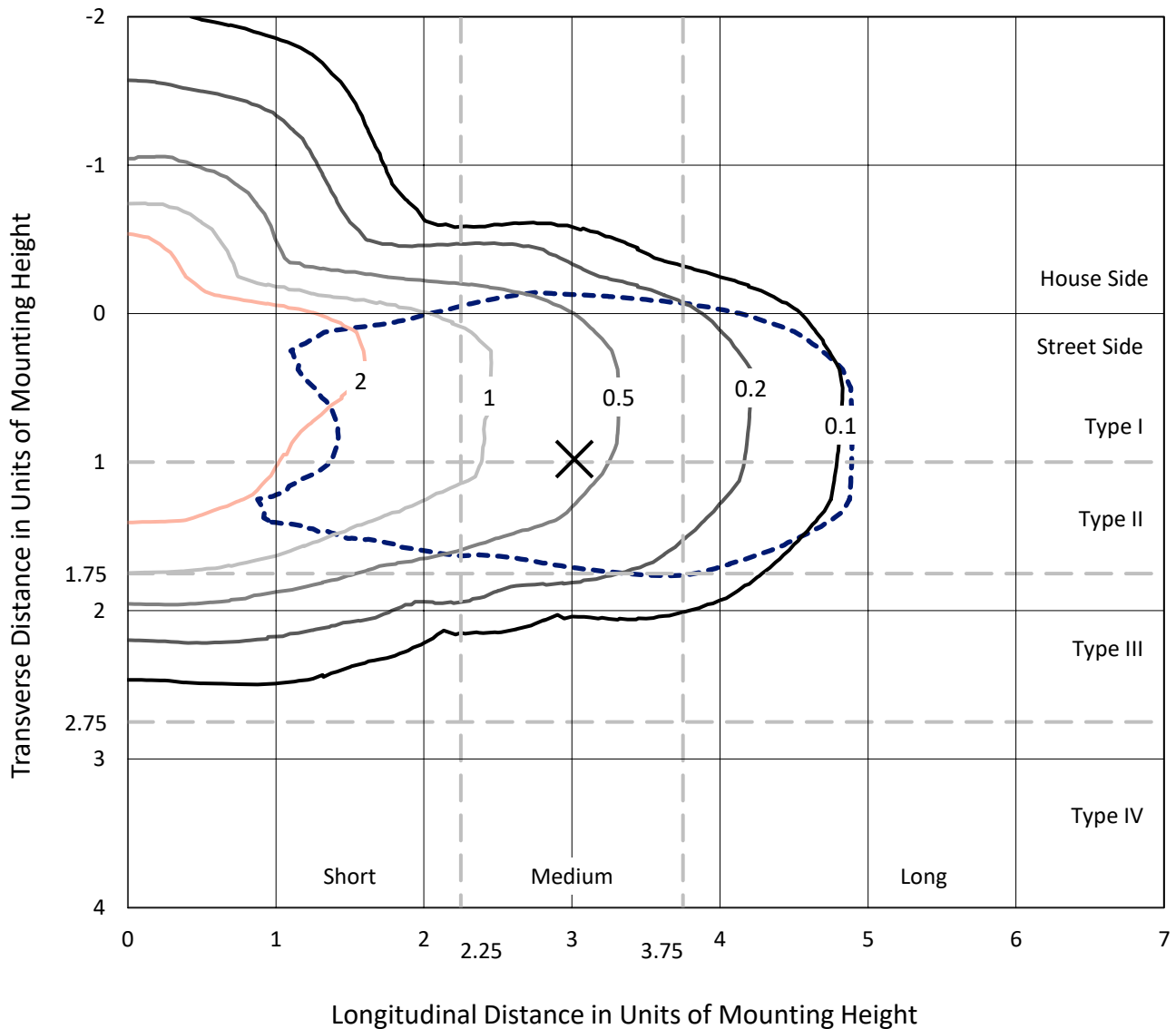
Input Watts (W): 46
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

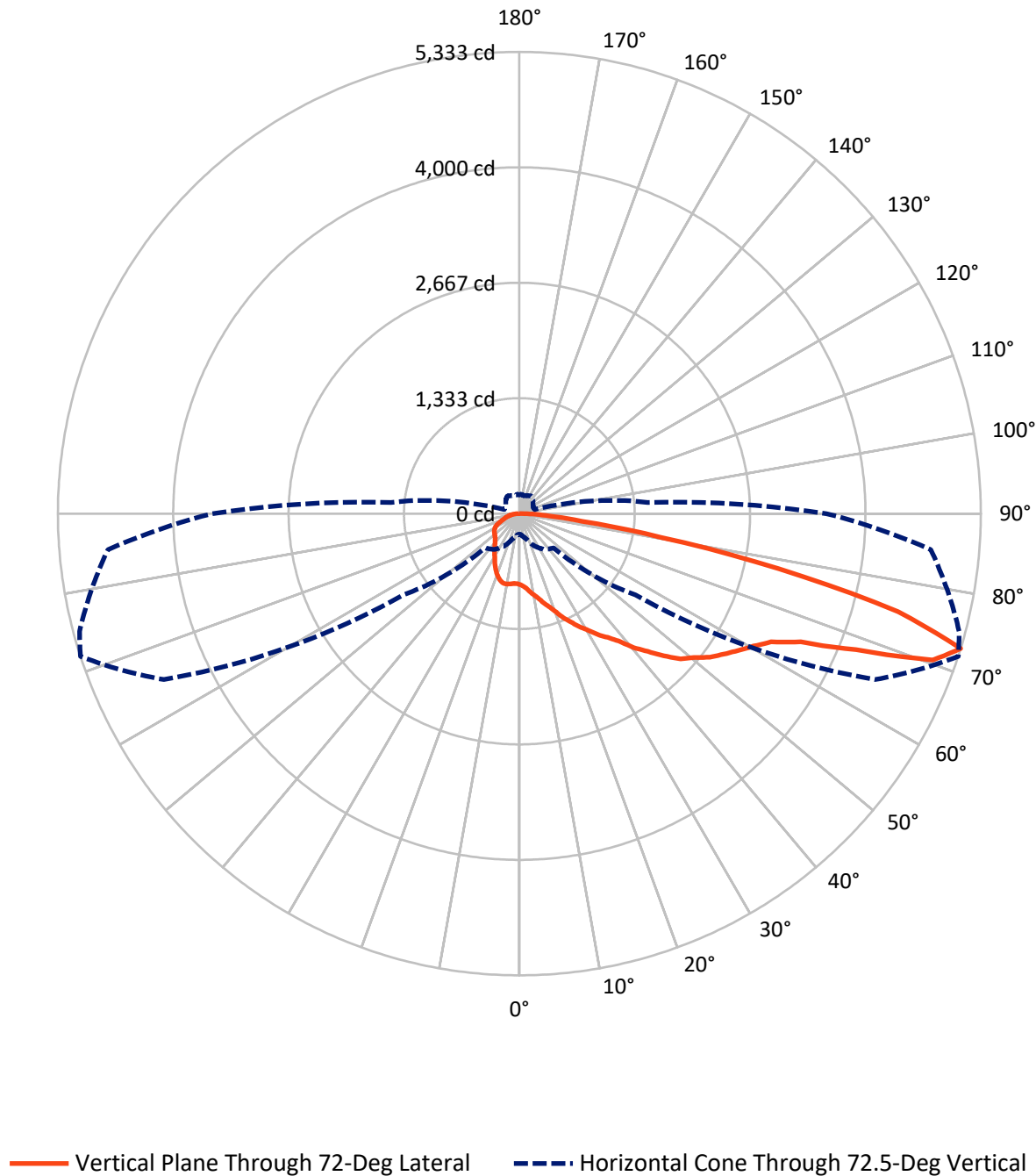
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.6 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	1320.2	0.0	1320.2
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	4952.9	0.0	4952.9
	% Fixture	79.0	0.0	79.0
Total	Lumens	6273.1	0.0	6273.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.0	1.3
10°-20°	251.7	4.0
20°-30°	435.6	6.9
30°-40°	643.4	10.3
40°-50°	956.8	15.3
50°-60°	1311.8	20.9
60°-70°	1422.9	22.7
70°-80°	1003.1	16.0
80°-90°	166.7	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°	6273.1	100.0
0°-180°	6273.1	100.0

Coefficient of Utilization



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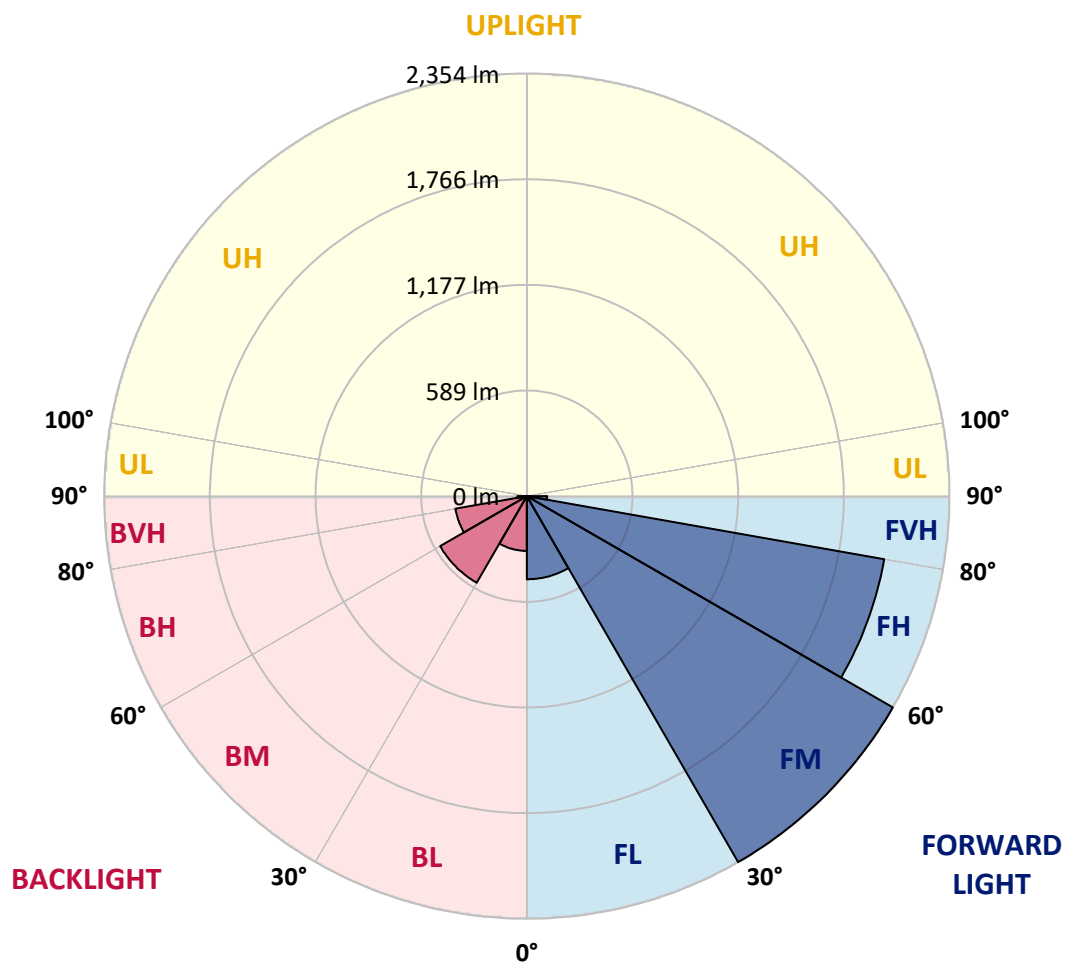
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	463.2	7.4			
FM	(30°-60°)	2354.4	37.5			
FH	(60°-80°)	2021.6	32.2			G2/5000
FVH	(80°-90°)	113.6	1.8			G2/225
BL	(0°-30°)	305.1	4.9	B1/500		
BM	(30°-60°)	557.6	8.9	B1/1000		
BH	(60°-80°)	404.4	6.4	B1/500		G1/500
BVH	(80°-90°)	53.0	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°	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4
2.5°	884.3	884.3	877.3	875.0	875.0	856.5	858.8	847.2	838.0	838.0	828.7
5°	930.6	925.9	925.9	925.9	914.3	907.4	905.1	884.3	868.1	870.4	842.6
7.5°	942.1	944.4	946.8	958.3	951.4	956.0	951.4	928.2	916.7	905.1	879.6
10°	949.1	953.7	953.7	969.9	969.9	981.5	988.4	979.2	958.3	946.8	905.1
12.5°	965.3	958.3	967.6	979.2	990.7	1011.6	1032.4	1023.1	1009.3	995.4	949.1
15°	965.3	967.6	974.5	993.1	1011.6	1032.4	1069.4	1083.3	1076.4	1050.9	1002.3
17.5°	937.5	930.6	963.0	997.7	1032.4	1057.9	1106.5	1138.9	1134.3	1125.0	1050.9
20°	939.8	946.8	958.3	988.4	1044.0	1090.3	1150.5	1203.7	1215.3	1210.6	1115.7
22.5°	981.5	983.8	995.4	1009.3	1053.2	1113.4	1203.7	1289.3	1310.2	1298.6	1187.5
25°	1023.1	1041.7	1041.7	1050.9	1067.1	1129.6	1238.4	1358.8	1388.9	1391.2	1261.6
27.5°	1090.3	1094.9	1108.8	1113.4	1127.3	1164.3	1277.8	1409.7	1479.2	1469.9	1328.7
30°	1169.0	1171.3	1180.6	1175.9	1178.2	1224.5	1314.8	1467.6	1562.5	1564.8	1400.5
32.5°	1261.6	1280.1	1284.7	1254.6	1259.3	1270.8	1372.7	1537.0	1666.7	1650.5	1463.0
35°	1398.1	1405.1	1391.2	1377.3	1342.6	1335.6	1432.9	1606.5	1756.9	1775.5	1555.5
37.5°	1567.1	1585.6	1567.1	1493.0	1456.0	1428.2	1506.9	1682.9	1865.7	1928.2	1648.1
40°	1724.5	1722.2	1703.7	1636.6	1571.8	1550.9	1613.4	1789.3	2034.7	2094.9	1782.4
42.5°	1851.8	1844.9	1833.3	1782.4	1722.2	1687.5	1736.1	1900.5	2175.9	2291.7	1937.5
45°	1963.0	1953.7	1956.0	1898.1	1840.3	1858.8	1858.8	2027.8	2342.6	2486.1	2115.7
47.5°	2067.1	2071.8	2064.8	2020.8	1976.8	2025.5	2000.0	2173.6	2506.9	2666.7	2266.2
50°	2187.5	2196.8	2173.6	2145.8	2106.5	2155.1	2122.7	2310.2	2613.4	2831.0	2446.7
52.5°	2300.9	2310.2	2331.0	2296.3	2256.9	2296.3	2222.2	2437.5	2754.6	2990.7	2585.6
55°	2328.7	2324.1	2439.8	2476.8	2497.7	2379.6	2310.2	2546.3	2865.7	3092.6	2743.0
57.5°	2201.4	2213.0	2370.4	2476.8	2699.1	2597.2	2409.7	2673.6	2981.5	3226.8	2888.9
60°	1884.3	1891.2	2088.0	2340.3	2664.3	2800.9	2678.2	2838.0	3108.8	3340.3	3053.2
62.5°	1259.3	1312.5	1557.9	1953.7	2419.0	2856.5	3106.5	3115.7	3263.9	3483.8	3277.8
65°	664.3	689.8	881.9	1201.4	1833.3	2664.3	3509.2	3666.7	3574.1	3747.7	3601.8
67.5°	435.2	444.4	548.6	729.2	1057.9	1944.4	3555.5	4622.7	4196.7	4250.0	4120.4
70°	324.1	328.7	405.1	539.3	655.1	1039.3	2914.3	5069.4	5067.1	4925.9	4736.1
72.5°	238.4	245.4	298.6	412.0	504.6	560.2	1638.9	4534.7	5333.3	5261.6	4773.1
75°	187.5	192.1	219.9	319.4	407.4	368.1	831.0	3358.8	4523.1	4868.0	4368.0
77.5°	152.8	157.4	173.6	231.5	326.4	284.7	398.1	2166.7	3067.1	3504.6	3342.6
80°	127.3	127.3	138.9	164.4	252.3	215.3	236.1	1217.6	1652.8	1824.1	1516.2
82.5°	108.8	106.5	115.7	120.4	187.5	155.1	152.8	550.9	726.8	770.8	569.4
85°	69.4	71.8	108.8	104.2	122.7	106.5	85.6	261.6	342.6	349.5	213.0
87.5°	27.8	27.8	46.3	57.9	69.4	64.8	41.7	118.1	150.5	150.5	60.2
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°	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4	819.4
2.5°	826.4	817.1	810.2	805.6	794.0	782.4	784.7	782.4	773.1	768.5	768.5
5°	835.6	826.4	814.8	796.3	784.7	770.8	775.5	766.2	756.9	763.9	752.3
7.5°	858.8	842.6	826.4	798.6	780.1	759.3	750.0	745.4	738.4	733.8	733.8
10°	891.2	868.1	838.0	796.3	766.2	733.8	729.2	719.9	713.0	713.0	710.6
12.5°	923.6	898.1	847.2	780.1	729.2	706.0	703.7	706.0	710.6	713.0	715.3
15°	965.3	923.6	844.9	750.0	699.1	689.8	701.4	710.6	719.9	729.2	726.8
17.5°	1004.6	956.0	824.1	713.0	673.6	675.9	696.8	715.3	733.8	743.1	745.4
20°	1057.9	986.1	794.0	669.0	648.1	669.0	696.8	719.9	740.7	752.3	754.6
22.5°	1118.1	1020.8	754.6	629.6	627.3	648.1	675.9	710.6	733.8	754.6	752.3
25°	1171.3	1044.0	703.7	597.2	601.8	615.7	648.1	685.2	708.3	731.5	724.5
27.5°	1206.0	1048.6	650.5	574.1	574.1	588.0	618.1	641.2	662.0	680.6	682.9
30°	1245.4	1039.3	590.3	544.0	544.0	562.5	574.1	588.0	599.5	604.2	608.8
32.5°	1291.7	1018.5	553.2	520.8	520.8	534.7	541.7	537.0	534.7	523.1	530.1
35°	1335.6	988.4	511.6	490.7	500.0	506.9	504.6	490.7	476.8	456.0	449.1
37.5°	1388.9	958.3	474.5	458.3	474.5	476.8	476.8	460.6	442.1	416.7	416.7
40°	1469.9	935.2	444.4	437.5	453.7	451.4	439.8	428.2	435.2	421.3	421.3
42.5°	1555.5	925.9	416.7	419.0	425.9	428.2	416.7	402.8	430.6	414.4	416.7
45°	1662.0	932.9	398.1	395.8	412.0	409.7	402.8	391.2	400.5	358.8	347.2
47.5°	1761.6	946.8	388.9	379.6	398.1	402.8	393.5	368.1	354.2	328.7	324.1
50°	1851.8	976.8	379.6	361.1	379.6	388.9	372.7	344.9	328.7	312.5	312.5
52.5°	1937.5	1020.8	375.0	340.3	356.5	368.1	358.8	331.0	312.5	305.6	298.6
55°	2025.5	1060.2	368.1	326.4	331.0	354.2	351.9	314.8	296.3	296.3	294.0
57.5°	2150.5	1113.4	358.8	303.2	312.5	338.0	338.0	307.9	287.0	289.4	291.7
60°	2277.8	1175.9	349.5	280.1	287.0	321.8	326.4	298.6	280.1	282.4	280.1
62.5°	2481.5	1291.7	331.0	252.3	266.2	300.9	312.5	287.0	270.8	275.5	275.5
65°	2789.3	1490.7	291.7	229.2	245.4	282.4	298.6	275.5	256.9	270.8	266.2
67.5°	3284.7	1763.9	245.4	210.6	231.5	263.9	282.4	261.6	245.4	266.2	259.3
70°	3729.2	1898.1	210.6	194.4	210.6	243.1	263.9	247.7	231.5	252.3	243.1
72.5°	3548.6	1488.4	182.9	175.9	192.1	219.9	245.4	229.2	213.0	224.5	215.3
75°	3062.5	1185.2	159.7	157.4	171.3	199.1	224.5	213.0	196.8	201.4	196.8
77.5°	2321.8	979.2	136.6	134.3	145.8	178.2	201.4	192.1	175.9	173.6	173.6
80°	1037.0	481.5	113.4	113.4	120.4	152.8	171.3	166.7	150.5	148.1	145.8
82.5°	340.3	182.9	92.6	88.0	97.2	127.3	152.8	148.1	131.9	127.3	122.7
85°	136.6	88.0	67.1	67.1	76.4	106.5	136.6	127.3	106.5	94.9	94.9
87.5°	46.3	37.0	34.7	34.7	48.6	71.8	101.9	85.6	76.4	67.1	69.4
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)