

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: P674820

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

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674820
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-730-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
T2 distribution lens
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8212.7 lumens
Efficiency: N/A
Efficacy: 132.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

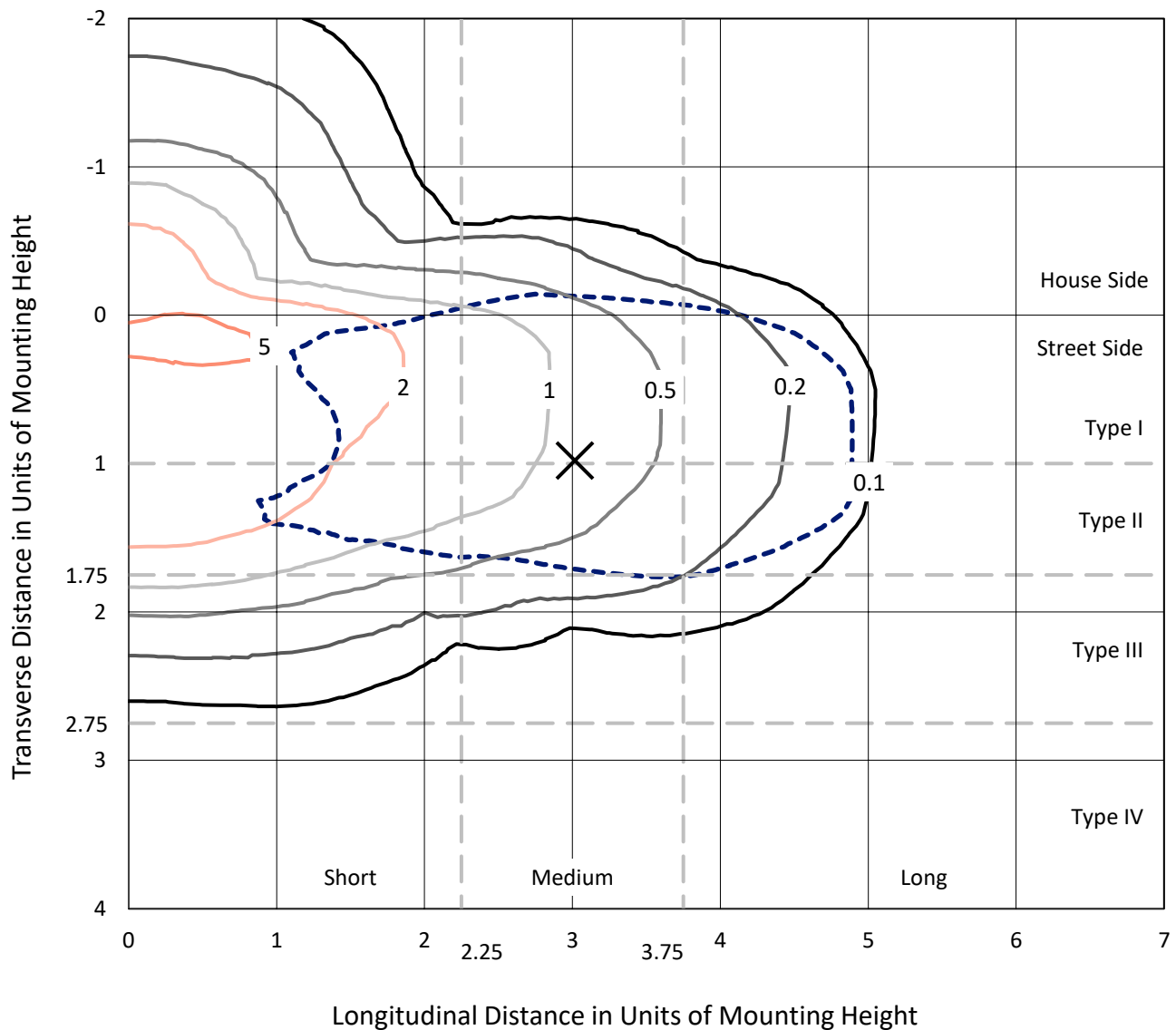
Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

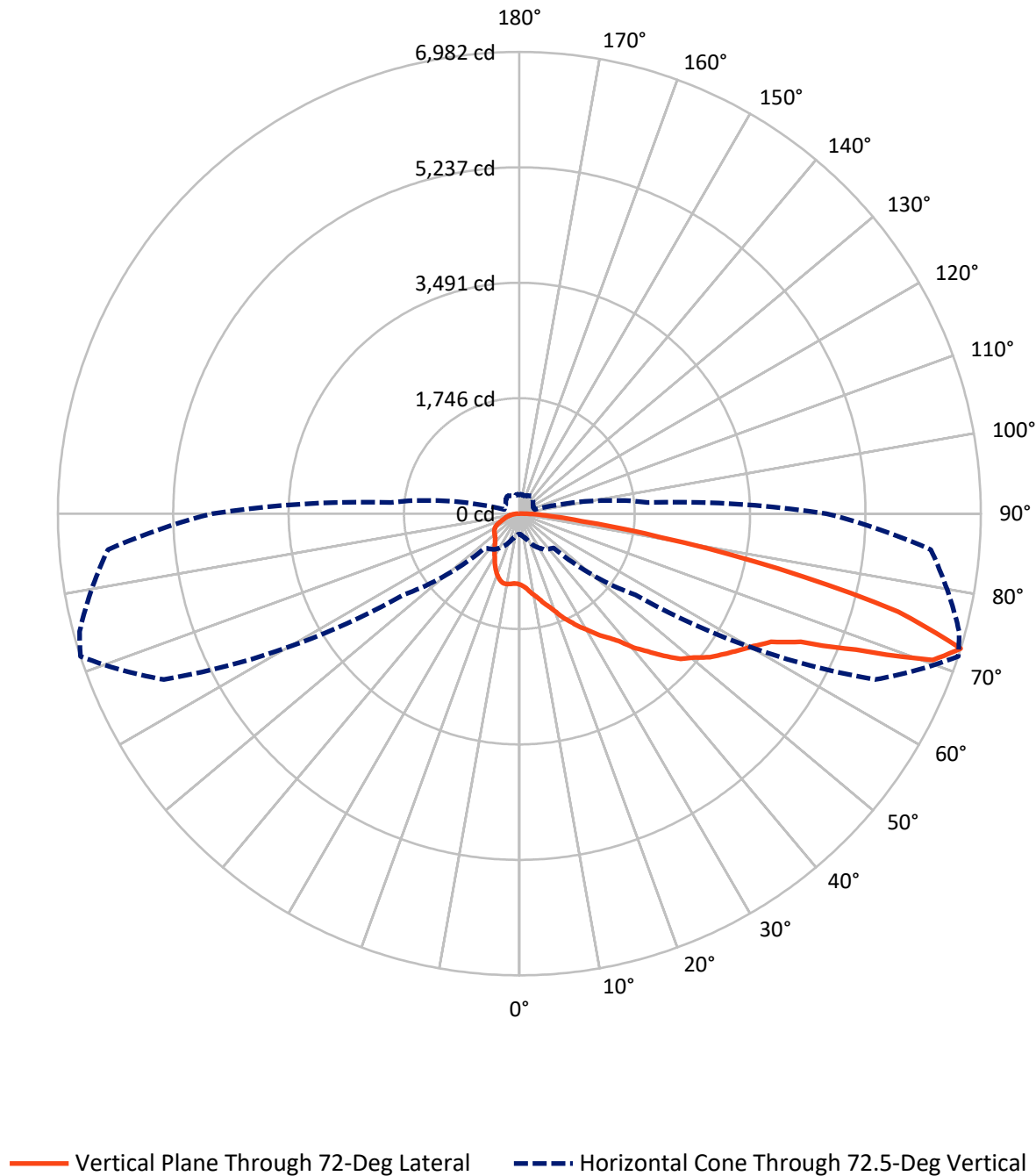
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 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	1728.4	0.0	1728.4
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	6484.3	0.0	6484.3
	% Fixture	79.0	0.0	79.0
Total	Lumens	8212.7	0.0	8212.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.1	1.3
10°-20°	329.6	4.0
20°-30°	570.3	6.9
30°-40°	842.4	10.3
40°-50°	1252.7	15.3
50°-60°	1717.4	20.9
60°-70°	1862.8	22.7
70°-80°	1313.3	16.0
80°-90°	218.2	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°	8212.7	100.0
0°-180°	8212.7	100.0

Coefficient of Utilization



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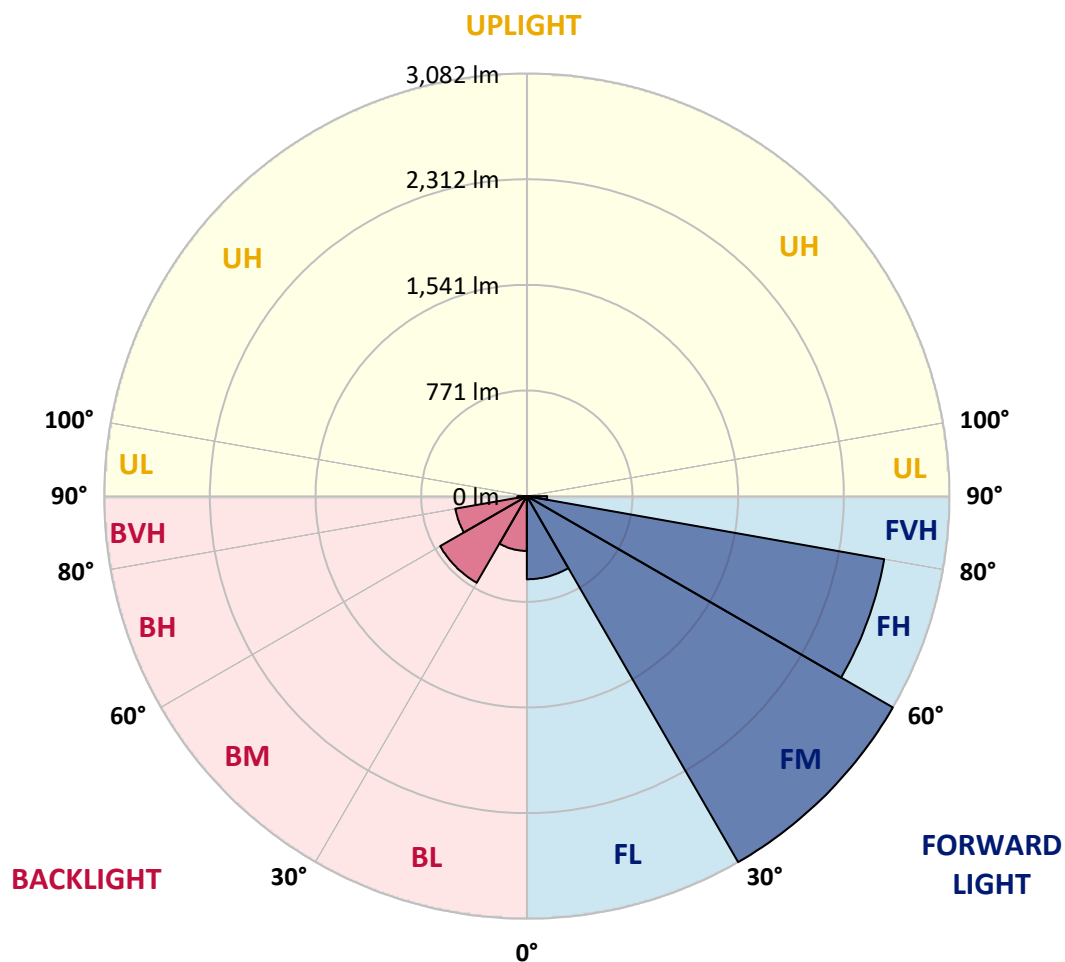
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	606.4	7.4			
FM	(30°-60°)	3082.4	37.5			
FH	(60°-80°)	2646.7	32.2			G2/5000
FVH	(80°-90°)	148.8	1.8			G2/225
BL	(0°-30°)	399.5	4.9	B1/500		
BM	(30°-60°)	730.0	8.9	B1/1000		
BH	(60°-80°)	529.4	6.4	B2/1000		G2/1000
BVH	(80°-90°)	69.4	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	1072.8	1072.8	1072.8	1072.8	1072.8	1072.8	1072.8	1072.8	1072.8	1072.8	1072.8
2.5°	1157.7	1157.7	1148.6	1145.5	1145.5	1121.3	1124.3	1109.2	1097.0	1097.0	1084.9
5°	1218.3	1212.2	1212.2	1212.2	1197.1	1188.0	1184.9	1157.7	1136.4	1139.5	1103.1
7.5°	1233.4	1236.5	1239.5	1254.6	1245.5	1251.6	1245.5	1215.2	1200.1	1184.9	1151.6
10°	1242.5	1248.6	1248.6	1269.8	1269.8	1284.9	1294.0	1281.9	1254.6	1239.5	1184.9
12.5°	1263.7	1254.6	1266.8	1281.9	1297.1	1324.3	1351.6	1339.5	1321.3	1303.1	1242.5
15°	1263.7	1266.8	1275.8	1300.1	1324.3	1351.6	1400.1	1418.3	1409.2	1375.9	1312.2
17.5°	1227.4	1218.3	1260.7	1306.2	1351.6	1384.9	1448.6	1491.0	1485.0	1472.8	1375.9
20°	1230.4	1239.5	1254.6	1294.0	1366.8	1427.4	1506.2	1575.9	1591.0	1585.0	1460.7
22.5°	1284.9	1288.0	1303.1	1321.3	1378.9	1457.7	1575.9	1688.0	1715.3	1700.1	1554.7
25°	1339.5	1363.7	1363.7	1375.9	1397.1	1478.9	1621.3	1778.9	1818.3	1821.3	1651.6
27.5°	1427.4	1433.4	1451.6	1457.7	1475.9	1524.4	1672.8	1845.6	1936.5	1924.4	1739.5
30°	1530.4	1533.4	1545.6	1539.5	1542.5	1603.1	1721.3	1921.3	2045.6	2048.6	1833.5
32.5°	1651.6	1675.9	1681.9	1642.5	1648.6	1663.8	1797.1	2012.3	2182.0	2160.8	1915.3
35°	1830.4	1839.5	1821.3	1803.2	1757.7	1748.6	1875.9	2103.2	2300.2	2324.4	2036.5
37.5°	2051.7	2075.9	2051.7	1954.7	1906.2	1869.8	1972.9	2203.2	2442.6	2524.4	2157.7
40°	2257.7	2254.7	2230.5	2142.6	2057.7	2030.4	2112.3	2342.6	2663.8	2742.6	2333.5
42.5°	2424.4	2415.3	2400.2	2333.5	2254.7	2209.2	2272.9	2488.1	2848.7	3000.2	2536.5
45°	2569.9	2557.8	2560.8	2485.0	2409.3	2433.5	2433.5	2654.7	3066.9	3254.8	2769.9
47.5°	2706.3	2712.3	2703.2	2645.6	2588.1	2651.7	2618.4	2845.7	3282.1	3491.2	2966.9
50°	2863.8	2876.0	2845.7	2809.3	2757.8	2821.4	2779.0	3024.5	3421.5	3706.3	3203.3
52.5°	3012.3	3024.5	3051.7	3006.3	2954.8	3006.3	2909.3	3191.1	3606.3	3915.4	3385.1
55°	3048.7	3042.6	3194.2	3242.7	3269.9	3115.4	3024.5	3333.6	3751.8	4048.8	3591.2
57.5°	2882.0	2897.2	3103.2	3242.7	3533.6	3400.2	3154.8	3500.2	3903.3	4224.5	3782.1
60°	2466.8	2475.9	2733.5	3063.9	3488.1	3666.9	3506.3	3715.4	4070.0	4373.0	3997.3
62.5°	1648.6	1718.3	2039.5	2557.8	3166.9	3739.7	4067.0	4079.1	4273.0	4560.9	4291.2
65°	869.8	903.1	1154.6	1572.8	2400.2	3488.1	4594.3	4800.3	4679.1	4906.4	4715.5
67.5°	569.7	581.9	718.2	954.6	1384.9	2545.6	4654.9	6051.9	5494.3	5564.0	5394.3
70°	424.3	430.3	530.3	706.1	857.6	1360.7	3815.4	6636.8	6633.8	6448.9	6200.4
72.5°	312.1	321.2	390.9	539.4	660.7	733.4	2145.6	5936.8	6982.3	6888.4	6248.9
75°	245.5	251.5	287.9	418.2	533.4	481.9	1088.0	4397.3	5921.6	6373.2	5718.6
77.5°	200.0	206.1	227.3	303.1	427.3	372.8	521.2	2836.6	4015.4	4588.2	4376.1
80°	166.7	166.7	181.8	215.2	330.3	281.8	309.1	1594.1	2163.8	2388.0	1985.0
82.5°	142.4	139.4	151.5	157.6	245.5	203.0	200.0	721.3	951.6	1009.2	745.5
85°	90.9	93.9	142.4	136.4	160.6	139.4	112.1	342.4	448.5	457.6	278.8
87.5°	36.4	36.4	60.6	75.8	90.9	84.9	54.5	154.6	197.0	197.0	78.8
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°	1072.8	1072.8	1072.8	1072.8	1072.8	1072.8	1072.8	1072.8	1072.8	1072.8	1072.8
2.5°	1081.9	1069.8	1060.7	1054.6	1039.5	1024.3	1027.3	1024.3	1012.2	1006.1	1006.1
5°	1094.0	1081.9	1066.7	1042.5	1027.3	1009.2	1015.2	1003.1	991.0	1000.1	984.9
7.5°	1124.3	1103.1	1081.9	1045.5	1021.3	994.0	981.9	975.8	966.7	960.7	960.7
10°	1166.7	1136.4	1097.0	1042.5	1003.1	960.7	954.6	942.5	933.4	933.4	930.4
12.5°	1209.2	1175.8	1109.2	1021.3	954.6	924.3	921.3	924.3	930.4	933.4	936.4
15°	1263.7	1209.2	1106.1	981.9	915.2	903.1	918.2	930.4	942.5	954.6	951.6
17.5°	1315.2	1251.6	1078.9	933.4	881.9	884.9	912.2	936.4	960.7	972.8	975.8
20°	1384.9	1291.0	1039.5	875.8	848.5	875.8	912.2	942.5	969.8	984.9	987.9
22.5°	1463.7	1336.5	987.9	824.3	821.3	848.5	884.9	930.4	960.7	987.9	984.9
25°	1533.4	1366.8	921.3	781.9	787.9	806.1	848.5	897.0	927.3	957.6	948.6
27.5°	1578.9	1372.8	851.6	751.6	751.6	769.8	809.1	839.5	866.7	891.0	894.0
30°	1630.4	1360.7	772.8	712.2	712.2	736.4	751.6	769.8	784.9	791.0	797.0
32.5°	1691.0	1333.4	724.3	681.9	681.9	700.0	709.1	703.1	700.0	684.9	694.0
35°	1748.6	1294.0	669.7	642.5	654.6	663.7	660.7	642.5	624.3	597.0	587.9
37.5°	1818.3	1254.6	621.3	600.0	621.3	624.3	624.3	603.1	578.8	545.5	545.5
40°	1924.4	1224.3	581.9	572.8	594.0	591.0	575.8	560.6	569.7	551.6	551.6
42.5°	2036.5	1212.2	545.5	548.5	557.6	560.6	545.5	527.3	563.7	542.5	545.5
45°	2175.9	1221.3	521.2	518.2	539.4	536.4	527.3	512.2	524.3	469.7	454.6
47.5°	2306.2	1239.5	509.1	497.0	521.2	527.3	515.2	481.9	463.7	430.3	424.3
50°	2424.4	1278.9	497.0	472.8	497.0	509.1	487.9	451.5	430.3	409.1	409.1
52.5°	2536.5	1336.5	490.9	445.5	466.7	481.9	469.7	433.4	409.1	400.0	390.9
55°	2651.7	1388.0	481.9	427.3	433.4	463.7	460.6	412.2	387.9	387.9	384.9
57.5°	2815.4	1457.7	469.7	397.0	409.1	442.5	442.5	403.1	375.8	378.8	381.8
60°	2982.0	1539.5	457.6	366.7	375.8	421.2	427.3	390.9	366.7	369.7	366.7
62.5°	3248.7	1691.0	433.4	330.3	348.5	394.0	409.1	375.8	354.6	360.6	360.6
65°	3651.8	1951.7	381.8	300.0	321.2	369.7	390.9	360.6	336.4	354.6	348.5
67.5°	4300.3	2309.3	321.2	275.8	303.1	345.5	369.7	342.4	321.2	348.5	339.4
70°	4882.2	2485.0	275.8	254.6	275.8	318.2	345.5	324.3	303.1	330.3	318.2
72.5°	4645.8	1948.6	239.4	230.3	251.5	287.9	321.2	300.0	278.8	294.0	281.8
75°	4009.4	1551.6	209.1	206.1	224.3	260.6	294.0	278.8	257.6	263.7	257.6
77.5°	3039.6	1281.9	178.8	175.8	190.9	233.3	263.7	251.5	230.3	227.3	227.3
80°	1357.7	630.3	148.5	148.5	157.6	200.0	224.3	218.2	197.0	194.0	190.9
82.5°	445.5	239.4	121.2	115.2	127.3	166.7	200.0	194.0	172.7	166.7	160.6
85°	178.8	115.2	87.9	87.9	100.0	139.4	178.8	166.7	139.4	124.3	124.3
87.5°	60.6	48.5	45.5	45.5	63.6	93.9	133.3	112.1	100.0	87.9	90.9
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)