

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: P671229

Luminaire Tested: **CCP-SA-1F-730-U-SL2**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671229
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-730-U-SL2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ SL2 distribution lens
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6757 lumens
Efficiency: N/A
Efficacy: 100.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

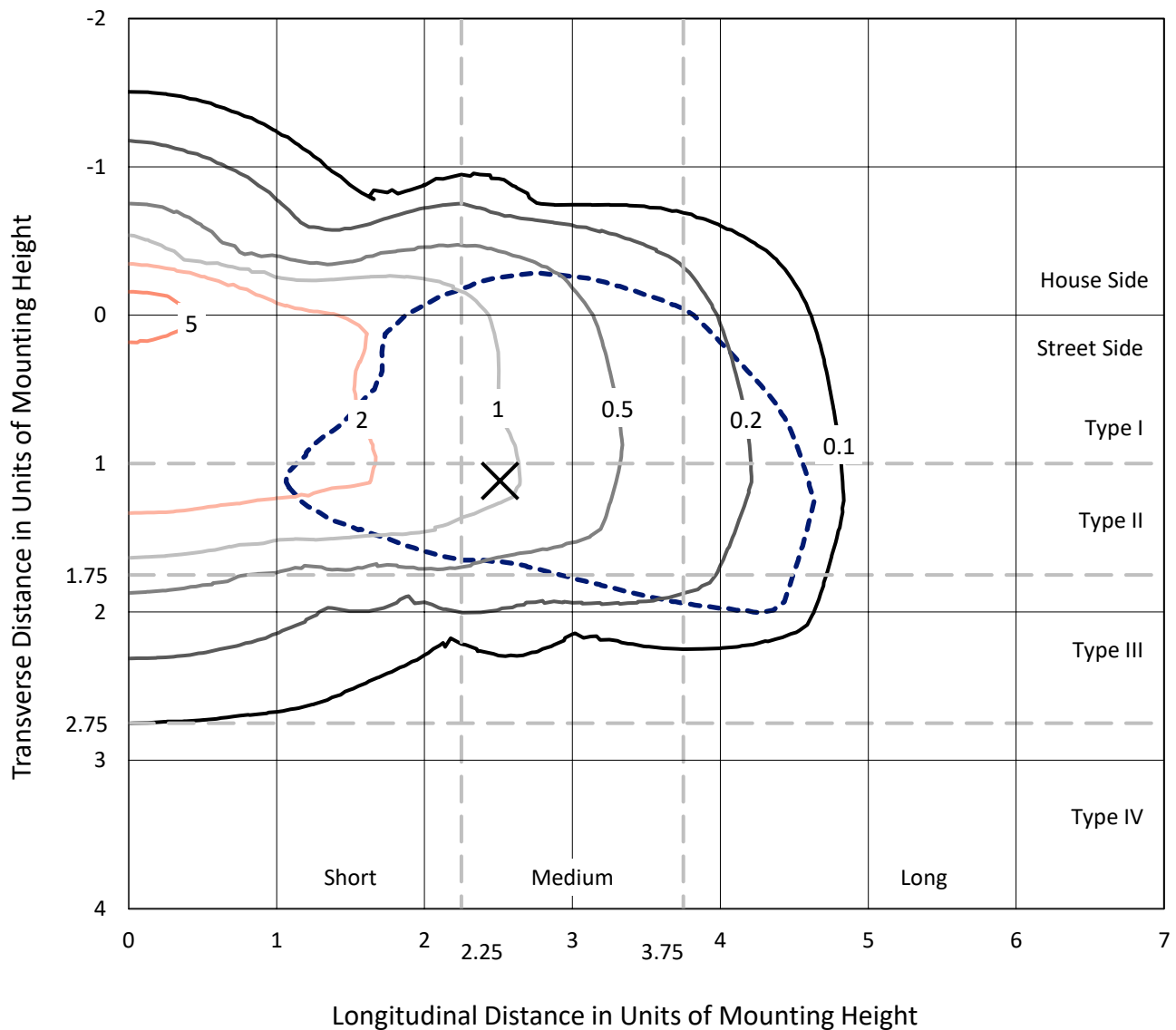
Input Watts (W): 67
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

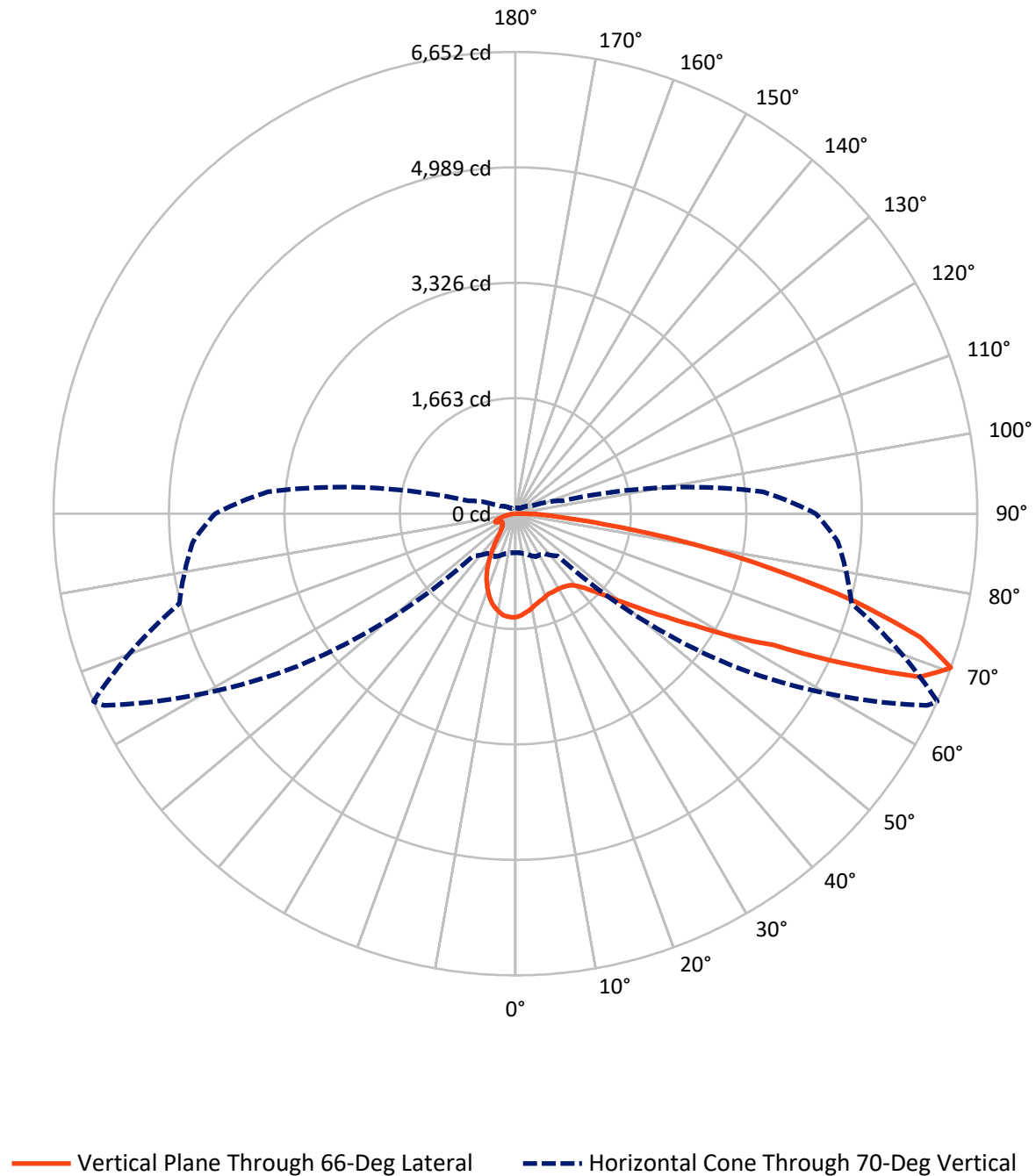


Based on 15 foot mounting height. Maximum calculated value = 6.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1383.1	0.0	1383.1
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	5373.9	0.0	5373.9
	% Fixture	79.5	0.0	79.5
Total	Lumens	6757.0	0.0	6757.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.0	2.0
10°-20°	324.9	4.8
20°-30°	446.3	6.6
30°-40°	598.3	8.9
40°-50°	868.1	12.8
50°-60°	1319.6	19.5
60°-70°	1629.7	24.1
70°-80°	1211.9	17.9
80°-90°	226.1	3.3
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°	6757.0	100.0
0°-180°	6757.0	100.0

Coefficient of Utilization



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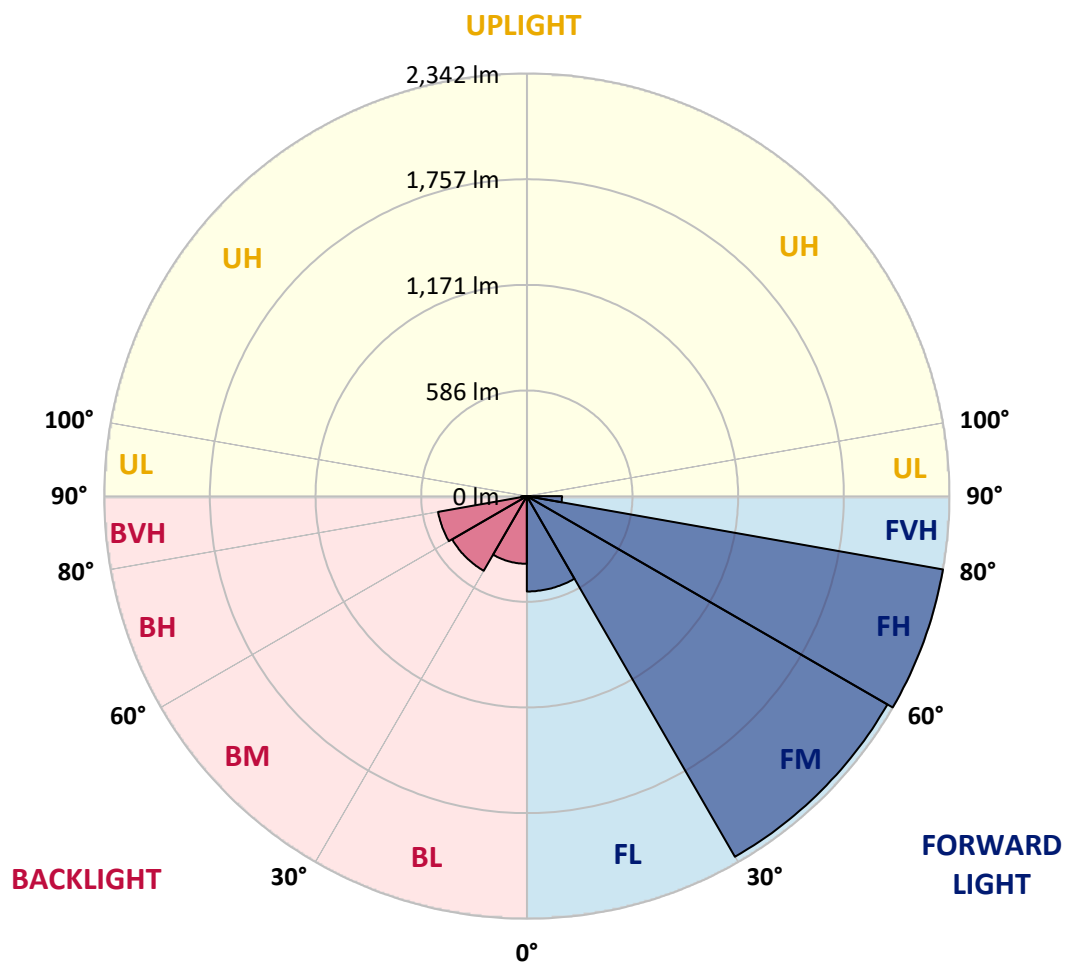
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	528.4	7.8			
FM	(30°-60°)	2308.3	34.2			
FH	(60°-80°)	2342.4	34.7			G2/5000
FVH	(80°-90°)	194.9	2.9			G2/225
BL	(0°-30°)	374.8	5.5	B1/500		
BM	(30°-60°)	477.8	7.1	B1/1000		
BH	(60°-80°)	499.3	7.4	B1/500		G1/500
BVH	(80°-90°)	31.2	0.5			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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1492.8	1492.8	1492.8	1492.8	1492.8	1492.8	1492.8	1492.8	1492.8	1492.8	1492.8
2.5°	1419.9	1427.5	1430.0	1435.0	1447.6	1457.6	1472.7	1480.3	1472.7	1482.8	1482.8
5°	1321.9	1311.9	1337.0	1347.1	1362.1	1382.2	1417.4	1445.1	1437.5	1467.7	1492.8
7.5°	1239.0	1239.0	1246.5	1269.2	1286.7	1316.9	1354.6	1397.3	1409.9	1450.1	1487.8
10°	1163.6	1173.7	1173.7	1208.8	1218.9	1254.1	1316.9	1369.7	1372.2	1440.1	1492.8
12.5°	1123.4	1118.4	1143.5	1153.5	1183.7	1218.9	1269.2	1334.5	1337.0	1409.9	1482.8
15°	1090.7	1095.7	1108.3	1133.4	1161.1	1188.7	1236.5	1296.8	1309.4	1394.8	1477.7
17.5°	1093.2	1095.7	1095.7	1113.3	1136.0	1168.6	1213.9	1284.2	1291.8	1374.7	1470.2
20°	1108.3	1098.3	1105.8	1113.3	1128.4	1158.6	1196.3	1256.6	1264.1	1372.2	1487.8
22.5°	1141.0	1133.4	1130.9	1128.4	1125.9	1143.5	1191.2	1241.5	1249.0	1359.6	1495.3
25°	1193.8	1191.2	1173.7	1156.1	1143.5	1143.5	1181.2	1254.1	1251.6	1359.6	1500.4
27.5°	1256.6	1256.6	1254.1	1221.4	1183.7	1163.6	1188.7	1249.0	1246.5	1359.6	1512.9
30°	1342.0	1342.0	1334.5	1304.3	1236.5	1178.7	1193.8	1244.0	1251.6	1349.6	1502.9
32.5°	1435.0	1432.5	1440.1	1412.4	1342.0	1249.0	1223.9	1254.1	1261.6	1359.6	1505.4
35°	1502.9	1518.0	1543.1	1518.0	1447.6	1321.9	1266.6	1274.2	1279.2	1362.1	1515.4
37.5°	1580.8	1598.4	1633.6	1653.7	1578.3	1432.5	1334.5	1306.9	1306.9	1394.8	1518.0
40°	1693.9	1676.3	1736.6	1771.8	1741.6	1568.2	1440.1	1367.2	1369.7	1437.5	1550.6
42.5°	1776.8	1794.4	1857.2	1920.1	1882.4	1734.1	1555.7	1465.2	1465.2	1500.4	1600.9
45°	1869.8	1889.9	1977.9	2053.3	2080.9	1932.6	1714.0	1605.9	1600.9	1623.5	1691.4
47.5°	1972.8	2000.5	2101.0	2189.0	2261.9	2138.7	1917.6	1776.8	1774.3	1791.9	1842.2
50°	2091.0	2101.0	2184.0	2344.8	2490.6	2412.7	2166.4	2018.1	2005.5	2013.1	2080.9
52.5°	2126.1	2118.6	2214.1	2387.5	2653.9	2746.9	2505.6	2292.0	2287.0	2269.4	2357.4
55°	1998.0	2023.1	2116.1	2337.3	2787.1	3141.5	2877.6	2666.5	2621.2	2573.5	2679.0
57.5°	1741.6	1744.1	1849.7	2111.1	2684.1	3468.2	3508.4	3033.4	3035.9	2907.7	3028.4
60°	1354.6	1347.1	1430.0	1666.2	2390.0	3568.7	4197.0	3619.0	3593.8	3242.0	3352.6
62.5°	977.6	962.5	980.1	1118.4	1786.9	3415.4	4873.1	4274.9	4169.4	3583.8	3669.2
65°	804.2	811.8	819.3	826.8	1002.8	2817.3	5081.6	5345.5	5204.8	3983.4	4018.6
67.5°	666.0	671.0	703.7	748.9	743.9	1663.7	4840.4	6335.7	6282.9	4478.5	4320.2
70°	565.5	563.0	600.6	683.6	696.2	864.5	3832.6	6539.3	6652.4	5011.3	4661.9
72.5°	452.4	457.4	490.1	600.6	683.6	728.8	2206.6	6102.0	6099.5	5420.9	4478.5
75°	324.2	324.2	369.4	497.6	661.0	721.3	1221.4	4953.5	5046.5	5094.2	3885.4
77.5°	213.6	223.7	258.9	372.0	620.8	706.2	774.1	3601.4	3717.0	3810.0	2973.1
80°	145.8	150.8	173.4	258.9	525.3	711.2	633.3	2422.7	2467.9	2103.5	1206.3
82.5°	88.0	90.5	115.6	180.9	377.0	676.0	595.6	1337.0	1309.4	635.8	346.8
85°	47.8	50.3	72.9	120.6	248.8	590.6	585.6	655.9	610.7	233.7	145.8
87.5°	17.6	17.6	32.7	60.3	143.3	404.6	510.2	389.5	364.4	118.1	67.9
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°	1492.8	1492.8	1492.8	1492.8	1492.8	1492.8	1492.8	1492.8	1492.8	1492.8	1492.8
2.5°	1495.3	1495.3	1495.3	1495.3	1492.8	1482.8	1490.3	1487.8	1472.7	1475.2	1465.2
5°	1490.3	1502.9	1495.3	1485.3	1472.7	1442.6	1432.5	1425.0	1404.9	1397.3	1404.9
7.5°	1502.9	1492.8	1487.8	1470.2	1419.9	1392.3	1357.1	1314.4	1284.2	1276.7	1284.2
10°	1500.4	1500.4	1477.7	1427.5	1379.7	1299.3	1254.1	1178.7	1136.0	1123.4	1125.9
12.5°	1490.3	1497.9	1462.7	1382.2	1291.8	1193.8	1110.8	1030.4	955.0	924.8	919.8
15°	1500.4	1492.8	1430.0	1327.0	1201.3	1065.6	945.0	826.8	756.5	711.2	701.2
17.5°	1485.3	1477.7	1387.3	1251.6	1083.2	909.8	759.0	630.8	560.4	542.8	542.8
20°	1502.9	1455.1	1337.0	1161.1	960.0	738.9	568.0	472.5	454.9	454.9	459.9
22.5°	1500.4	1450.1	1294.3	1073.1	811.8	557.9	422.2	394.6	397.1	417.2	414.7
25°	1485.3	1440.1	1234.0	975.1	655.9	419.7	349.3	341.8	359.4	382.0	379.5
27.5°	1482.8	1412.4	1178.7	859.5	500.1	331.7	304.1	304.1	321.7	341.8	339.3
30°	1467.7	1389.8	1110.8	728.8	377.0	289.0	279.0	279.0	286.5	296.6	296.6
32.5°	1465.2	1359.6	1035.4	593.1	301.6	261.4	256.3	258.9	258.9	263.9	261.4
35°	1445.1	1319.4	957.5	459.9	261.4	246.3	241.3	238.8	238.8	236.2	236.2
37.5°	1437.5	1294.3	877.1	356.9	243.8	233.7	228.7	221.2	218.6	218.6	216.1
40°	1445.1	1269.2	799.2	289.0	228.7	223.7	216.1	206.1	203.6	203.6	203.6
42.5°	1472.7	1266.6	718.8	251.3	221.2	213.6	203.6	193.5	191.0	193.5	191.0
45°	1535.6	1286.7	640.9	233.7	211.1	203.6	191.0	183.5	180.9	183.5	183.5
47.5°	1638.6	1342.0	570.5	223.7	203.6	193.5	180.9	173.4	173.4	173.4	173.4
50°	1809.5	1447.6	502.6	216.1	198.5	186.0	173.4	163.4	160.8	160.8	163.4
52.5°	2065.8	1628.5	447.3	211.1	191.0	175.9	163.4	155.8	150.8	148.3	150.8
55°	2375.0	1892.4	429.8	206.1	180.9	168.4	155.8	145.8	140.7	140.7	138.2
57.5°	2706.7	2184.0	459.9	201.1	173.4	158.3	145.8	135.7	130.7	128.2	128.2
60°	3066.1	2528.3	570.5	198.5	165.9	148.3	135.7	128.2	120.6	118.1	118.1
62.5°	3392.8	2839.9	769.0	196.0	160.8	138.2	125.7	115.6	110.6	108.1	108.1
65°	3764.7	3186.7	962.5	206.1	158.3	130.7	115.6	105.6	100.5	98.0	98.0
67.5°	4088.9	3488.3	1075.6	231.2	165.9	120.6	103.0	95.5	93.0	90.5	90.5
70°	4325.2	3581.3	721.3	253.8	178.4	113.1	93.0	88.0	82.9	82.9	82.9
72.5°	4008.5	3196.8	427.2	238.8	168.4	105.6	82.9	77.9	75.4	75.4	72.9
75°	3428.0	2721.8	329.2	193.5	135.7	90.5	72.9	67.9	65.3	65.3	62.8
77.5°	2530.8	1950.2	243.8	153.3	105.6	72.9	62.8	60.3	57.8	55.3	55.3
80°	990.2	854.5	165.9	113.1	77.9	57.8	52.8	50.3	47.8	45.2	45.2
82.5°	306.6	258.9	95.5	75.4	55.3	45.2	42.7	40.2	37.7	35.2	35.2
85°	133.2	128.2	62.8	47.8	37.7	30.2	30.2	27.6	25.1	22.6	22.6
87.5°	65.3	62.8	35.2	22.6	20.1	15.1	15.1	12.6	10.1	10.1	10.1
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)