

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: P675406

Luminaire Tested: **CCW-SA-2B-735-U-SL2**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675406
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2B-735-U-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
SL2 distribution lens
Light Source: (32) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

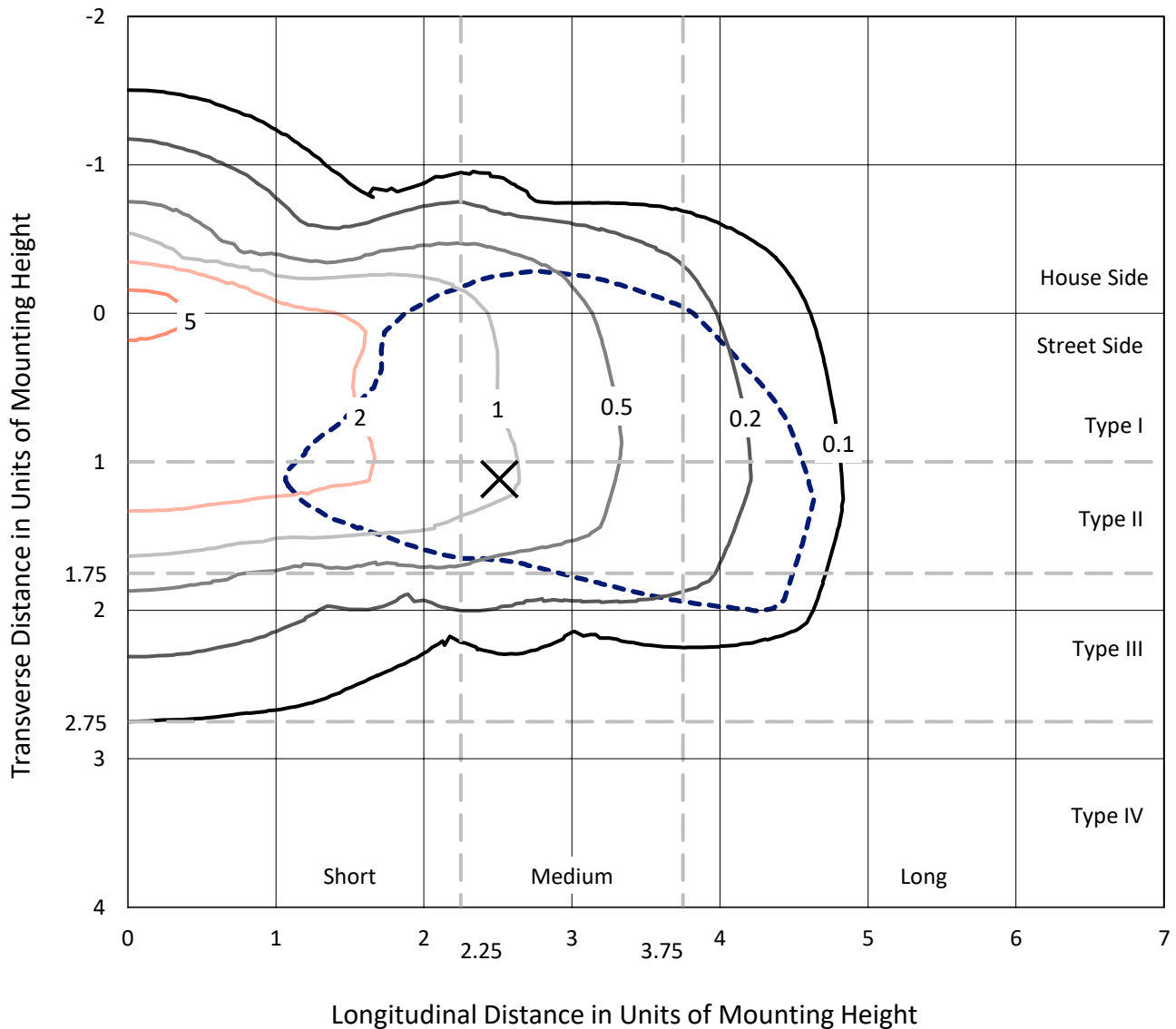
Lumens per Lamp: N/A
Luminaire Lumens: 6741.4 lumens
Efficiency: N/A
Efficacy: 146.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

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

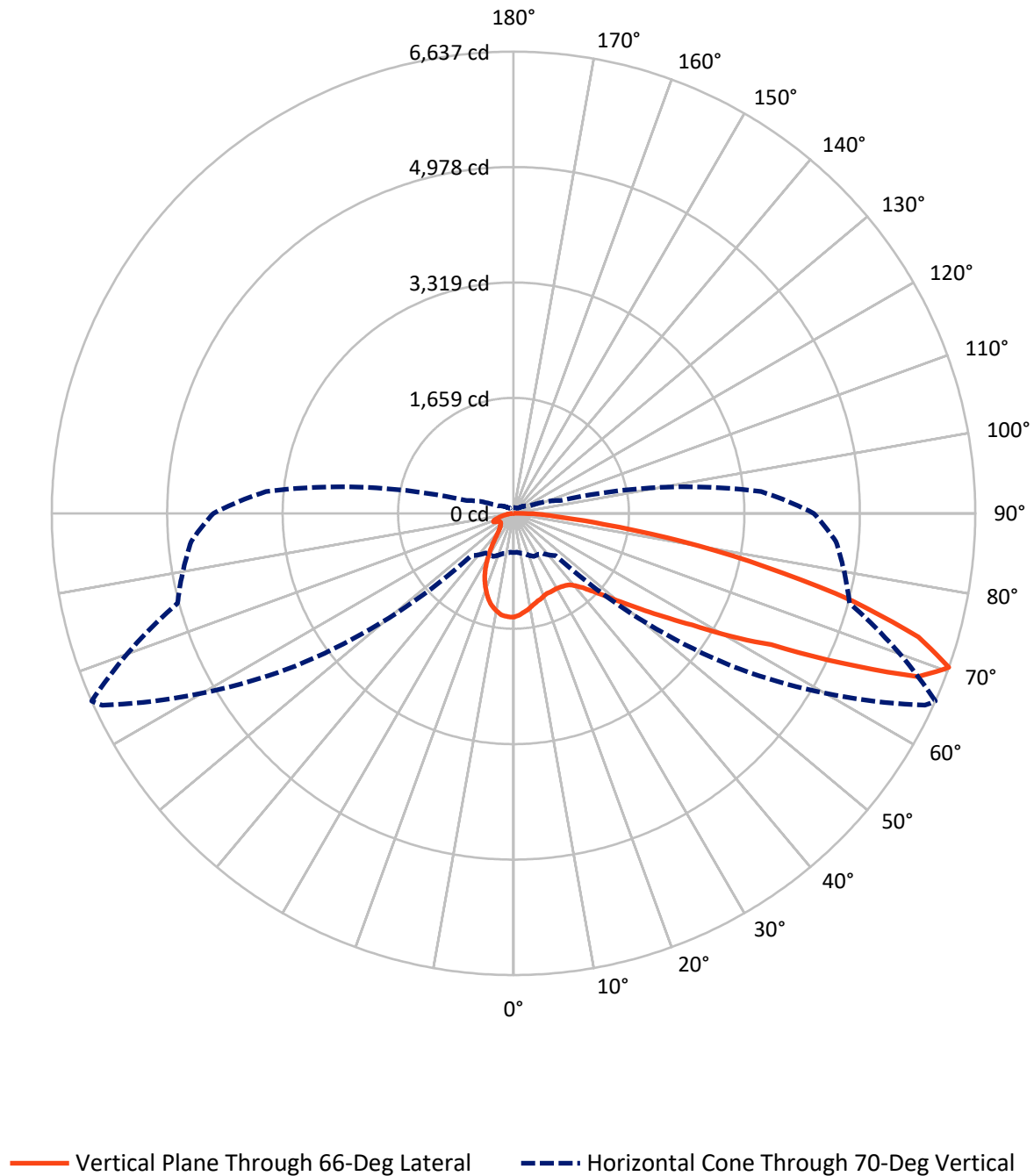
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 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	1379.9	0.0	1379.9
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	5361.5	0.0	5361.5
	% Fixture	79.5	0.0	79.5
Total	Lumens	6741.4	0.0	6741.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.7	2.0
10°-20°	324.2	4.8
20°-30°	445.2	6.6
30°-40°	596.9	8.9
40°-50°	866.1	12.8
50°-60°	1316.5	19.5
60°-70°	1626.0	24.1
70°-80°	1209.1	17.9
80°-90°	225.5	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°	6741.4	100.0
0°-180°	6741.4	100.0

Coefficient of Utilization



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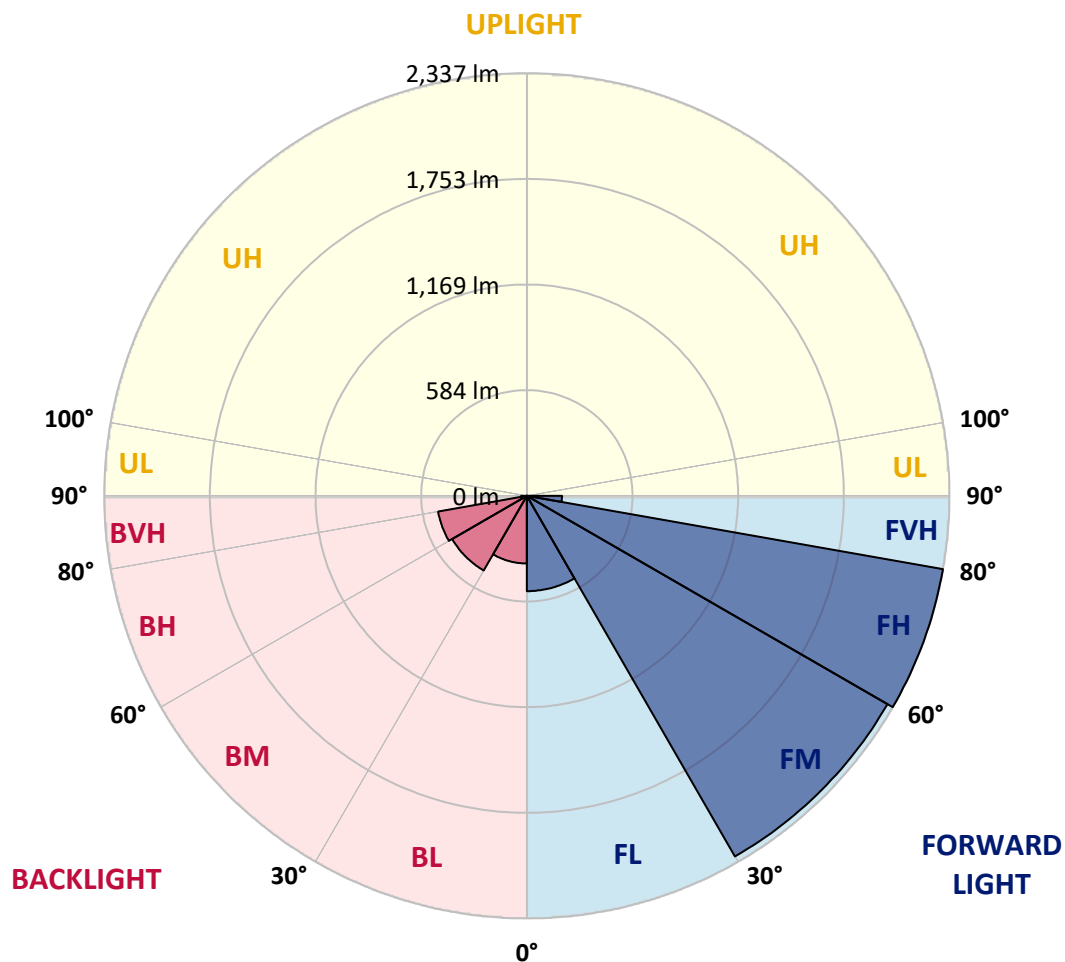
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	527.1	7.8			
FM	(30°-60°)	2302.9	34.2			
FH	(60°-80°)	2337.0	34.7			G2/5000
FVH	(80°-90°)	194.4	2.9			G2/225
BL	(0°-30°)	374.0	5.5	B1/500		
BM	(30°-60°)	476.6	7.1	B1/1000		
BH	(60°-80°)	498.1	7.4	B1/500		G1/500
BVH	(80°-90°)	31.1	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°	1489.4	1489.4	1489.4	1489.4	1489.4	1489.4	1489.4	1489.4	1489.4	1489.4	1489.4
2.5°	1416.7	1424.2	1426.7	1431.7	1444.2	1454.3	1469.3	1476.8	1469.3	1479.3	1479.3
5°	1318.9	1308.8	1333.9	1343.9	1359.0	1379.1	1414.2	1441.7	1434.2	1464.3	1489.4
7.5°	1236.1	1236.1	1243.7	1266.2	1283.8	1313.9	1351.5	1394.1	1406.6	1446.7	1484.4
10°	1160.9	1170.9	1170.9	1206.0	1216.1	1251.2	1313.9	1366.5	1369.0	1436.7	1489.4
12.5°	1120.8	1115.8	1140.9	1150.9	1181.0	1216.1	1266.2	1331.4	1333.9	1406.6	1479.3
15°	1088.2	1093.2	1105.7	1130.8	1158.4	1186.0	1233.6	1293.8	1306.3	1391.6	1474.3
17.5°	1090.7	1093.2	1093.2	1110.8	1133.3	1165.9	1211.1	1281.3	1288.8	1371.5	1466.8
20°	1105.7	1095.7	1103.2	1110.8	1125.8	1155.9	1193.5	1253.7	1261.2	1369.0	1484.4
22.5°	1138.3	1130.8	1128.3	1125.8	1123.3	1140.9	1188.5	1238.6	1246.2	1356.5	1491.9
25°	1191.0	1188.5	1170.9	1153.4	1140.9	1140.9	1178.5	1251.2	1248.7	1356.5	1496.9
27.5°	1253.7	1253.7	1251.2	1218.6	1181.0	1160.9	1186.0	1246.2	1243.7	1356.5	1509.4
30°	1338.9	1338.9	1331.4	1301.3	1233.6	1176.0	1191.0	1241.1	1248.7	1346.5	1499.4
32.5°	1431.7	1429.2	1436.7	1409.1	1338.9	1246.2	1221.1	1251.2	1258.7	1356.5	1501.9
35°	1499.4	1514.4	1539.5	1514.4	1444.2	1318.9	1263.7	1271.2	1276.2	1359.0	1511.9
37.5°	1577.1	1594.7	1629.8	1649.8	1574.6	1429.2	1331.4	1303.8	1303.8	1391.6	1514.4
40°	1690.0	1672.4	1732.6	1767.7	1737.6	1564.6	1436.7	1364.0	1366.5	1434.2	1547.0
42.5°	1772.7	1790.3	1852.9	1915.6	1878.0	1730.1	1552.1	1461.8	1461.8	1496.9	1597.2
45°	1865.5	1885.5	1973.3	2048.5	2076.1	1928.2	1710.0	1602.2	1597.2	1619.8	1687.5
47.5°	1968.3	1995.9	2096.2	2183.9	2256.6	2133.8	1913.1	1772.7	1770.2	1787.8	1837.9
50°	2086.1	2096.2	2178.9	2339.4	2484.8	2407.1	2161.3	2013.4	2000.9	2008.4	2076.1
52.5°	2121.2	2113.7	2209.0	2382.0	2647.8	2740.5	2499.8	2286.7	2281.7	2264.1	2351.9
55°	1993.4	2018.4	2111.2	2331.8	2780.7	3134.2	2870.9	2660.3	2615.2	2567.5	2672.9
57.5°	1737.6	1740.1	1845.4	2106.2	2677.9	3460.2	3500.3	3026.4	3028.9	2901.0	3021.4
60°	1351.5	1343.9	1426.7	1662.4	2384.5	3560.5	4187.3	3610.6	3585.5	3234.5	3344.8
62.5°	975.4	960.3	977.9	1115.8	1782.7	3407.5	4861.8	4265.0	4159.7	3575.5	3660.8
65°	802.4	809.9	817.4	824.9	1000.4	2810.8	5069.9	5333.2	5192.8	3974.2	4009.3
67.5°	664.5	669.5	702.1	747.2	742.2	1659.9	4829.2	6321.1	6268.4	4468.1	4310.2
70°	564.2	561.6	599.3	682.0	694.5	862.5	3823.7	6524.2	6637.0	4999.7	4651.2
72.5°	451.3	456.3	488.9	599.3	682.0	727.1	2201.5	6087.9	6085.4	5408.4	4468.1
75°	323.4	323.4	368.6	496.5	659.4	719.6	1218.6	4942.0	5034.8	5082.4	3876.4
77.5°	213.1	223.2	258.3	371.1	619.3	704.6	772.3	3593.1	3708.4	3801.2	2966.2
80°	145.4	150.4	173.0	258.3	524.0	709.6	631.9	2417.1	2462.2	2098.7	1203.5
82.5°	87.8	90.3	115.3	180.5	376.1	674.5	594.2	1333.9	1306.3	634.4	346.0
85°	47.6	50.1	72.7	120.4	248.2	589.2	584.2	654.4	609.3	233.2	145.4
87.5°	17.6	17.6	32.6	60.2	142.9	403.7	509.0	388.6	363.6	117.8	67.7
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°	1489.4	1489.4	1489.4	1489.4	1489.4	1489.4	1489.4	1489.4	1489.4	1489.4	1489.4
2.5°	1491.9	1491.9	1491.9	1491.9	1489.4	1479.3	1486.9	1484.4	1469.3	1471.8	1461.8
5°	1486.9	1499.4	1491.9	1481.9	1469.3	1439.2	1429.2	1421.7	1401.6	1394.1	1401.6
7.5°	1499.4	1489.4	1484.4	1466.8	1416.7	1389.1	1354.0	1311.4	1281.3	1273.7	1281.3
10°	1496.9	1496.9	1474.3	1424.2	1376.5	1296.3	1251.2	1176.0	1133.3	1120.8	1123.3
12.5°	1486.9	1494.4	1459.3	1379.1	1288.8	1191.0	1108.3	1028.0	952.8	922.7	917.7
15°	1496.9	1489.4	1426.7	1323.9	1198.5	1063.1	942.8	824.9	754.7	709.6	699.6
17.5°	1481.9	1474.3	1384.1	1248.7	1080.7	907.7	757.2	629.3	559.1	541.6	541.6
20°	1499.4	1451.8	1333.9	1158.4	957.8	737.2	566.7	471.4	453.8	453.8	458.8
22.5°	1496.9	1446.7	1291.3	1070.6	809.9	556.6	421.2	393.7	396.2	416.2	413.7
25°	1481.9	1436.7	1231.1	972.9	654.4	418.7	348.5	341.0	358.6	381.1	378.6
27.5°	1479.3	1409.1	1176.0	857.5	499.0	331.0	303.4	303.4	320.9	341.0	338.5
30°	1464.3	1386.6	1108.3	727.1	376.1	288.3	278.3	278.3	285.8	295.9	295.9
32.5°	1461.8	1356.5	1033.0	591.7	300.9	260.8	255.8	258.3	258.3	263.3	260.8
35°	1441.7	1316.4	955.3	458.8	260.8	245.7	240.7	238.2	238.2	235.7	235.7
37.5°	1434.2	1291.3	875.1	356.0	243.2	233.2	228.2	220.6	218.1	218.1	215.6
40°	1441.7	1266.2	797.3	288.3	228.2	223.2	215.6	205.6	203.1	203.1	203.1
42.5°	1469.3	1263.7	717.1	250.7	220.6	213.1	203.1	193.1	190.6	193.1	190.6
45°	1532.0	1283.8	639.4	233.2	210.6	203.1	190.6	183.0	180.5	183.0	183.0
47.5°	1634.8	1338.9	569.2	223.2	203.1	193.1	180.5	173.0	173.0	173.0	173.0
50°	1805.3	1444.2	501.5	215.6	198.1	185.5	173.0	163.0	160.5	160.5	163.0
52.5°	2061.1	1624.8	446.3	210.6	190.6	175.5	163.0	155.5	150.4	147.9	150.4
55°	2369.5	1888.0	428.8	205.6	180.5	168.0	155.5	145.4	140.4	140.4	137.9
57.5°	2700.4	2178.9	458.8	200.6	173.0	158.0	145.4	135.4	130.4	127.9	127.9
60°	3059.0	2522.4	569.2	198.1	165.5	147.9	135.4	127.9	120.4	117.8	117.8
62.5°	3384.9	2833.3	767.3	195.6	160.5	137.9	125.4	115.3	110.3	107.8	107.8
65°	3756.0	3179.3	960.3	205.6	158.0	130.4	115.3	105.3	100.3	97.8	97.8
67.5°	4079.5	3480.2	1073.2	230.7	165.5	120.4	102.8	95.3	92.8	90.3	90.3
70°	4315.2	3573.0	719.6	253.2	178.0	112.8	92.8	87.8	82.7	82.7	82.7
72.5°	3999.2	3189.4	426.3	238.2	168.0	105.3	82.7	77.7	75.2	75.2	72.7
75°	3420.0	2715.5	328.5	193.1	135.4	90.3	72.7	67.7	65.2	65.2	62.7
77.5°	2524.9	1945.7	243.2	152.9	105.3	72.7	62.7	60.2	57.7	55.2	55.2
80°	987.9	852.5	165.5	112.8	77.7	57.7	52.7	50.1	47.6	45.1	45.1
82.5°	305.9	258.3	95.3	75.2	55.2	45.1	42.6	40.1	37.6	35.1	35.1
85°	132.9	127.9	62.7	47.6	37.6	30.1	30.1	27.6	25.1	22.6	22.6
87.5°	65.2	62.7	35.1	22.6	20.1	15.0	15.0	12.5	10.0	10.0	10.0
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)