

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: P675473

Luminaire Tested: **CCW-SA-2C-835-U-SL2**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675473
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-835-U-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
SL2 distribution lens
Light Source: (32) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

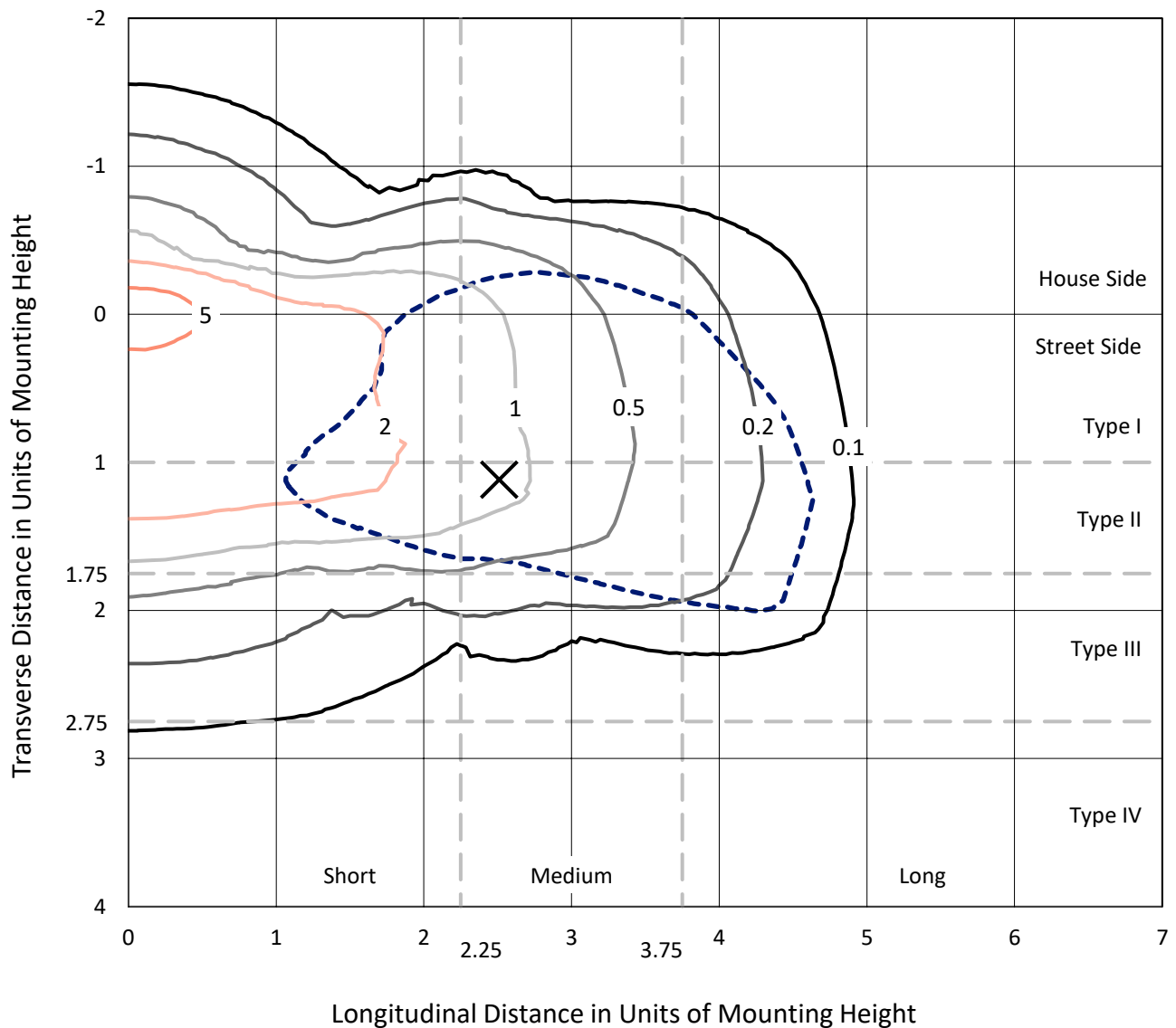
Lumens per Lamp: N/A
Luminaire Lumens: 7373.4 lumens
Efficiency: N/A
Efficacy: 118.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

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

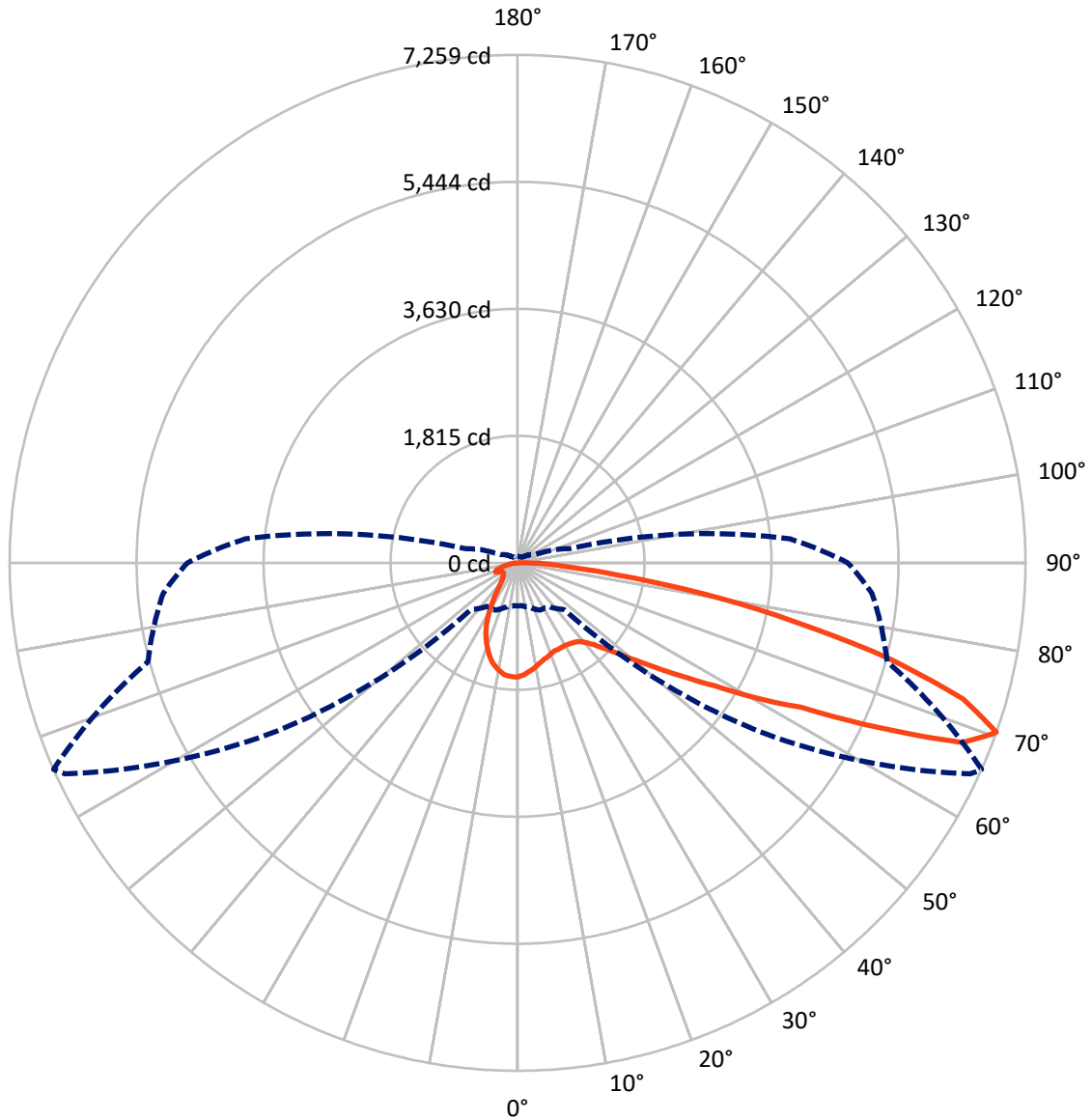
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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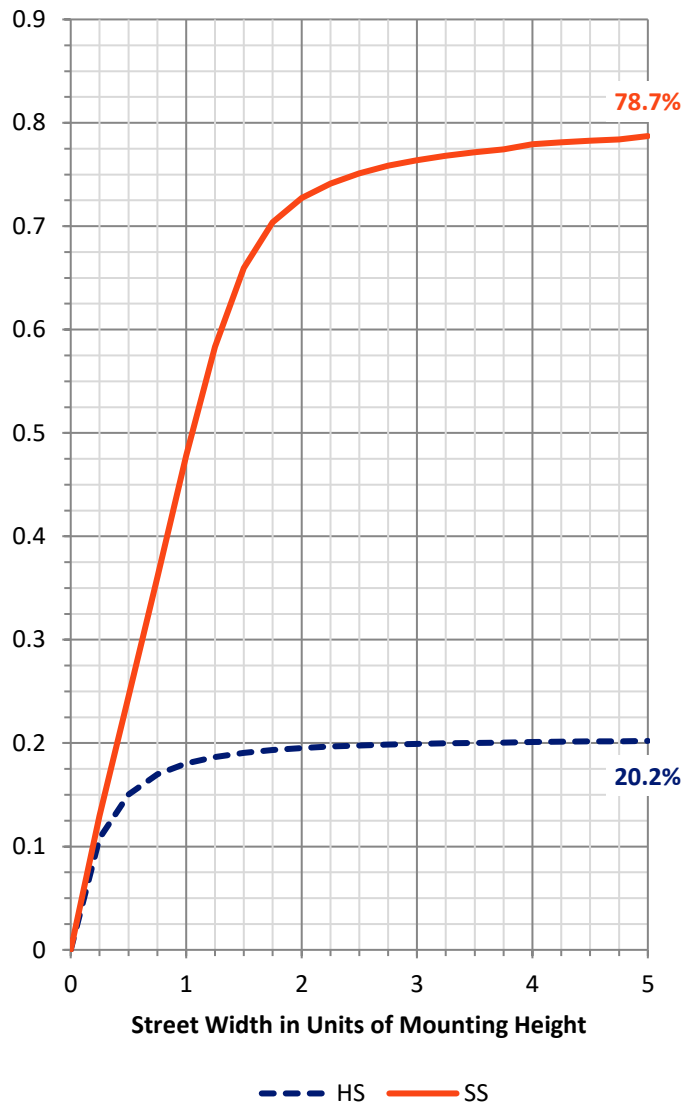
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1509.2	0.0	1509.2
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	5864.2	0.0	5864.2
	% Fixture	79.5	0.0	79.5
Total	Lumens	7373.4	0.0	7373.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.0	2.0
10°-20°	354.6	4.8
20°-30°	487.0	6.6
30°-40°	652.9	8.9
40°-50°	947.3	12.8
50°-60°	1440.0	19.5
60°-70°	1778.4	24.1
70°-80°	1322.5	17.9
80°-90°	246.7	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°	7373.4	100.0
0°-180°	7373.4	100.0

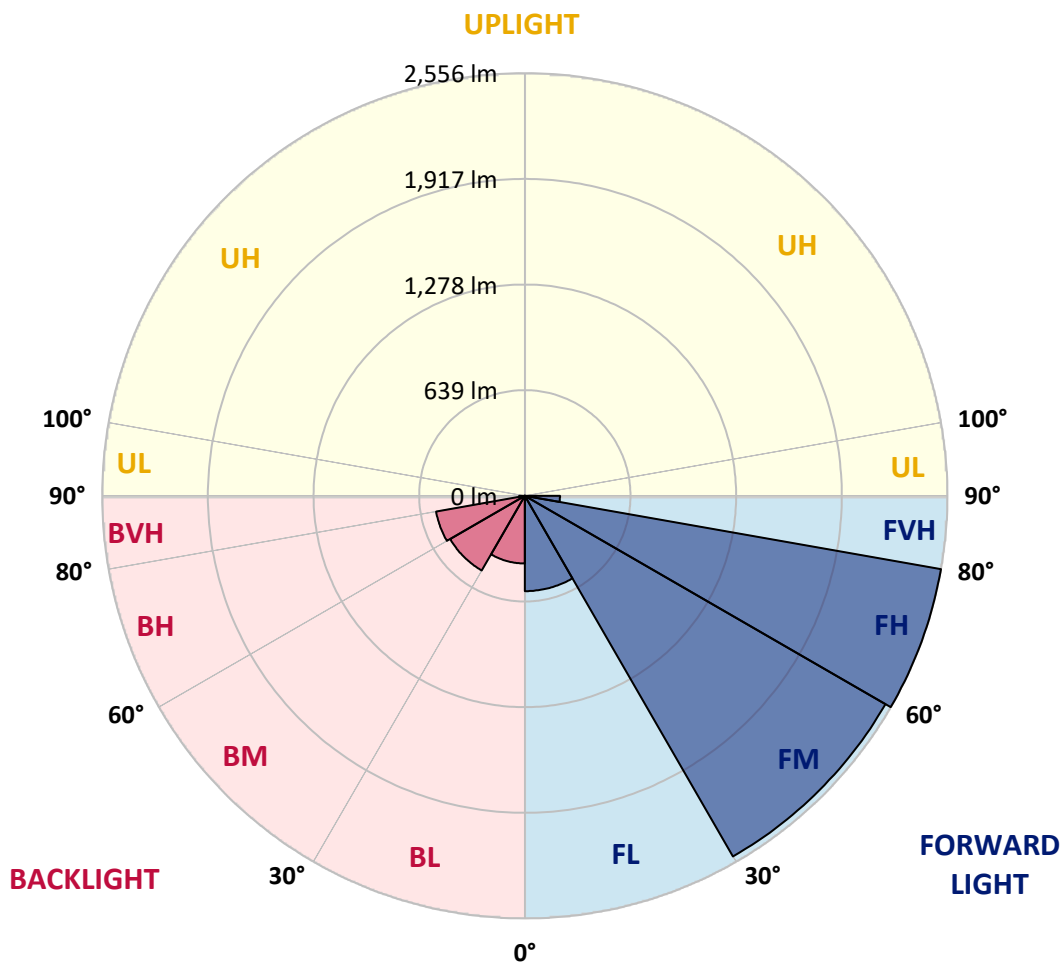


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	576.6	7.8			
FM (30°-60°)	2518.9	34.2			
FH (60°-80°)	2556.1	34.7			G2/5000
FVH (80°-90°)	212.6	2.9			G2/225
BL (0°-30°)	409.0	5.5	B1/500		
BM (30°-60°)	521.3	7.1	B1/1000		
BH (60°-80°)	544.8	7.4	B2/1000		G2/1000
BVH (80°-90°)	34.0	0.5			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1629.0	1629.0	1629.0	1629.0	1629.0	1629.0	1629.0	1629.0	1629.0	1629.0	1629.0
2.5°	1549.5	1557.7	1560.5	1565.9	1579.6	1590.6	1607.1	1615.3	1607.1	1618.0	1618.0
5°	1442.5	1431.6	1459.0	1470.0	1486.4	1508.3	1546.7	1576.9	1568.7	1601.6	1629.0
7.5°	1352.0	1352.0	1360.3	1384.9	1404.1	1437.0	1478.2	1524.8	1538.5	1582.4	1623.5
10°	1269.8	1280.7	1280.7	1319.1	1330.1	1368.5	1437.0	1494.6	1497.4	1571.4	1629.0
12.5°	1225.9	1220.4	1247.8	1258.8	1291.7	1330.1	1384.9	1456.2	1459.0	1538.5	1618.0
15°	1190.2	1195.7	1209.4	1236.8	1267.0	1297.2	1349.3	1415.1	1428.8	1522.1	1612.6
17.5°	1193.0	1195.7	1195.7	1214.9	1239.6	1275.2	1324.6	1401.4	1409.6	1500.1	1604.3
20°	1209.4	1198.4	1206.7	1214.9	1231.4	1264.3	1305.4	1371.2	1379.4	1497.4	1623.5
22.5°	1245.1	1236.8	1234.1	1231.4	1228.6	1247.8	1299.9	1354.8	1363.0	1483.7	1631.8
25°	1302.7	1299.9	1280.7	1261.5	1247.8	1247.8	1288.9	1368.5	1365.7	1483.7	1637.2
27.5°	1371.2	1371.2	1368.5	1332.8	1291.7	1269.8	1297.2	1363.0	1360.3	1483.7	1651.0
30°	1464.5	1464.5	1456.2	1423.3	1349.3	1286.2	1302.7	1357.5	1365.7	1472.7	1640.0
32.5°	1565.9	1563.2	1571.4	1541.3	1464.5	1363.0	1335.6	1368.5	1376.7	1483.7	1642.7
35°	1640.0	1656.4	1683.9	1656.4	1579.6	1442.5	1382.2	1390.4	1395.9	1486.4	1653.7
37.5°	1725.0	1744.2	1782.6	1804.5	1722.3	1563.2	1456.2	1426.1	1426.1	1522.1	1656.4
40°	1848.4	1829.2	1895.0	1933.4	1900.5	1711.3	1571.4	1491.9	1494.6	1568.7	1692.1
42.5°	1938.9	1958.1	2026.7	2095.2	2054.1	1892.3	1697.6	1598.8	1598.8	1637.2	1746.9
45°	2040.4	2062.3	2158.3	2240.6	2270.7	2108.9	1870.3	1752.4	1746.9	1771.6	1845.7
47.5°	2152.8	2183.0	2292.7	2388.7	2468.2	2333.8	2092.5	1938.9	1936.2	1955.4	2010.2
50°	2281.7	2292.7	2383.2	2558.7	2717.8	2632.7	2364.0	2202.2	2188.5	2196.7	2270.7
52.5°	2320.1	2311.9	2416.1	2605.3	2896.0	2997.5	2734.2	2501.1	2495.6	2476.4	2572.4
55°	2180.2	2207.7	2309.1	2550.5	3041.4	3428.1	3140.1	2909.7	2860.4	2808.3	2923.4
57.5°	1900.5	1903.3	2018.4	2303.7	2928.9	3784.6	3828.5	3310.1	3312.9	3173.0	3304.6
60°	1478.2	1470.0	1560.5	1818.2	2608.1	3894.3	4579.9	3949.1	3921.7	3537.8	3658.4
62.5°	1066.8	1050.4	1069.6	1220.4	1949.9	3727.0	5317.6	4664.9	4549.7	3910.7	4004.0
65°	877.6	885.8	894.0	902.3	1094.2	3074.3	5545.2	5833.2	5679.6	4346.8	4385.2
67.5°	726.7	732.2	767.9	817.2	811.8	1815.5	5281.9	6913.7	6856.1	4887.0	4714.3
70°	617.0	614.3	655.4	745.9	759.7	943.4	4182.2	7135.8	7259.2	5468.4	5087.2
72.5°	493.6	499.1	534.8	655.4	745.9	795.3	2407.9	6658.7	6655.9	5915.5	4887.0
75°	353.8	353.8	403.1	543.0	721.3	787.1	1332.8	5405.4	5506.8	5558.9	4239.8
77.5°	233.1	244.1	282.5	405.9	677.4	770.6	844.7	3929.9	4056.1	4157.5	3244.3
80°	159.1	164.5	189.2	282.5	573.2	776.1	691.1	2643.7	2693.1	2295.4	1316.4
82.5°	96.0	98.7	126.2	197.5	411.4	737.7	650.0	1459.0	1428.8	693.8	378.5
85°	52.1	54.8	79.5	131.6	271.5	644.5	639.0	715.8	666.4	255.0	159.1
87.5°	19.2	19.2	35.7	65.8	156.3	441.5	556.7	425.1	397.7	128.9	74.0
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°	1629.0	1629.0	1629.0	1629.0	1629.0	1629.0	1629.0	1629.0	1629.0	1629.0	1629.0
2.5°	1631.8	1631.8	1631.8	1631.8	1629.0	1618.0	1626.3	1623.5	1607.1	1609.8	1598.8
5°	1626.3	1640.0	1631.8	1620.8	1607.1	1574.2	1563.2	1555.0	1533.0	1524.8	1533.0
7.5°	1640.0	1629.0	1623.5	1604.3	1549.5	1519.3	1480.9	1434.3	1401.4	1393.2	1401.4
10°	1637.2	1637.2	1612.6	1557.7	1505.6	1417.8	1368.5	1286.2	1239.6	1225.9	1228.6
12.5°	1626.3	1634.5	1596.1	1508.3	1409.6	1302.7	1212.2	1124.4	1042.1	1009.2	1003.7
15°	1637.2	1629.0	1560.5	1448.0	1310.9	1162.8	1031.2	902.3	825.5	776.1	765.1
17.5°	1620.8	1612.6	1513.8	1365.7	1182.0	992.8	828.2	688.4	611.6	592.4	592.4
20°	1640.0	1587.9	1459.0	1267.0	1047.6	806.3	619.8	515.6	496.4	496.4	501.9
22.5°	1637.2	1582.4	1412.4	1171.0	885.8	608.8	460.7	430.6	433.3	455.2	452.5
25°	1620.8	1571.4	1346.5	1064.1	715.8	458.0	381.2	373.0	392.2	416.9	414.1
27.5°	1618.0	1541.3	1286.2	937.9	545.7	362.0	331.8	331.8	351.0	373.0	370.2
30°	1601.6	1516.6	1212.2	795.3	411.4	315.4	304.4	304.4	312.6	323.6	323.6
32.5°	1598.8	1483.7	1129.9	647.2	329.1	285.2	279.7	282.5	282.5	288.0	285.2
35°	1576.9	1439.8	1044.9	501.9	285.2	268.8	263.3	260.5	260.5	257.8	257.8
37.5°	1568.7	1412.4	957.1	389.4	266.0	255.0	249.6	241.3	238.6	238.6	235.9
40°	1576.9	1384.9	872.1	315.4	249.6	244.1	235.9	224.9	222.1	222.1	222.1
42.5°	1607.1	1382.2	784.3	274.2	241.3	233.1	222.1	211.2	208.4	211.2	208.4
45°	1675.6	1404.1	699.3	255.0	230.4	222.1	208.4	200.2	197.5	200.2	200.2
47.5°	1788.1	1464.5	622.5	244.1	222.1	211.2	197.5	189.2	189.2	189.2	189.2
50°	1974.6	1579.6	548.5	235.9	216.7	202.9	189.2	178.3	175.5	175.5	178.3
52.5°	2254.3	1777.1	488.2	230.4	208.4	192.0	178.3	170.0	164.5	161.8	164.5
55°	2591.6	2065.1	469.0	224.9	197.5	183.7	170.0	159.1	153.6	153.6	150.8
57.5°	2953.6	2383.2	501.9	219.4	189.2	172.8	159.1	148.1	142.6	139.9	139.9
60°	3345.8	2758.9	622.5	216.7	181.0	161.8	148.1	139.9	131.6	128.9	128.9
62.5°	3702.3	3099.0	839.2	213.9	175.5	150.8	137.1	126.2	120.7	117.9	117.9
65°	4108.2	3477.4	1050.4	224.9	172.8	142.6	126.2	115.2	109.7	107.0	107.0
67.5°	4462.0	3806.5	1173.8	252.3	181.0	131.6	112.4	104.2	101.5	98.7	98.7
70°	4719.7	3908.0	787.1	277.0	194.7	123.4	101.5	96.0	90.5	90.5	90.5
72.5°	4374.2	3488.4	466.2	260.5	183.7	115.2	90.5	85.0	82.3	82.3	79.5
75°	3740.7	2970.1	359.3	211.2	148.1	98.7	79.5	74.0	71.3	71.3	68.6
77.5°	2761.6	2128.1	266.0	167.3	115.2	79.5	68.6	65.8	63.1	60.3	60.3
80°	1080.5	932.4	181.0	123.4	85.0	63.1	57.6	54.8	52.1	49.4	49.4
82.5°	334.6	282.5	104.2	82.3	60.3	49.4	46.6	43.9	41.1	38.4	38.4
85°	145.3	139.9	68.6	52.1	41.1	32.9	32.9	30.2	27.4	24.7	24.7
87.5°	71.3	68.6	38.4	24.7	21.9	16.5	16.5	13.7	11.0	11.0	11.0
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)