

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: P671221

Luminaire Tested: **CCP-SA-2C-727-U-SL2**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671221
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-727-U-SL2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ SL2
distribution lens
Light Source: (32) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7483.5 lumens
Efficiency: N/A
Efficacy: 120.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

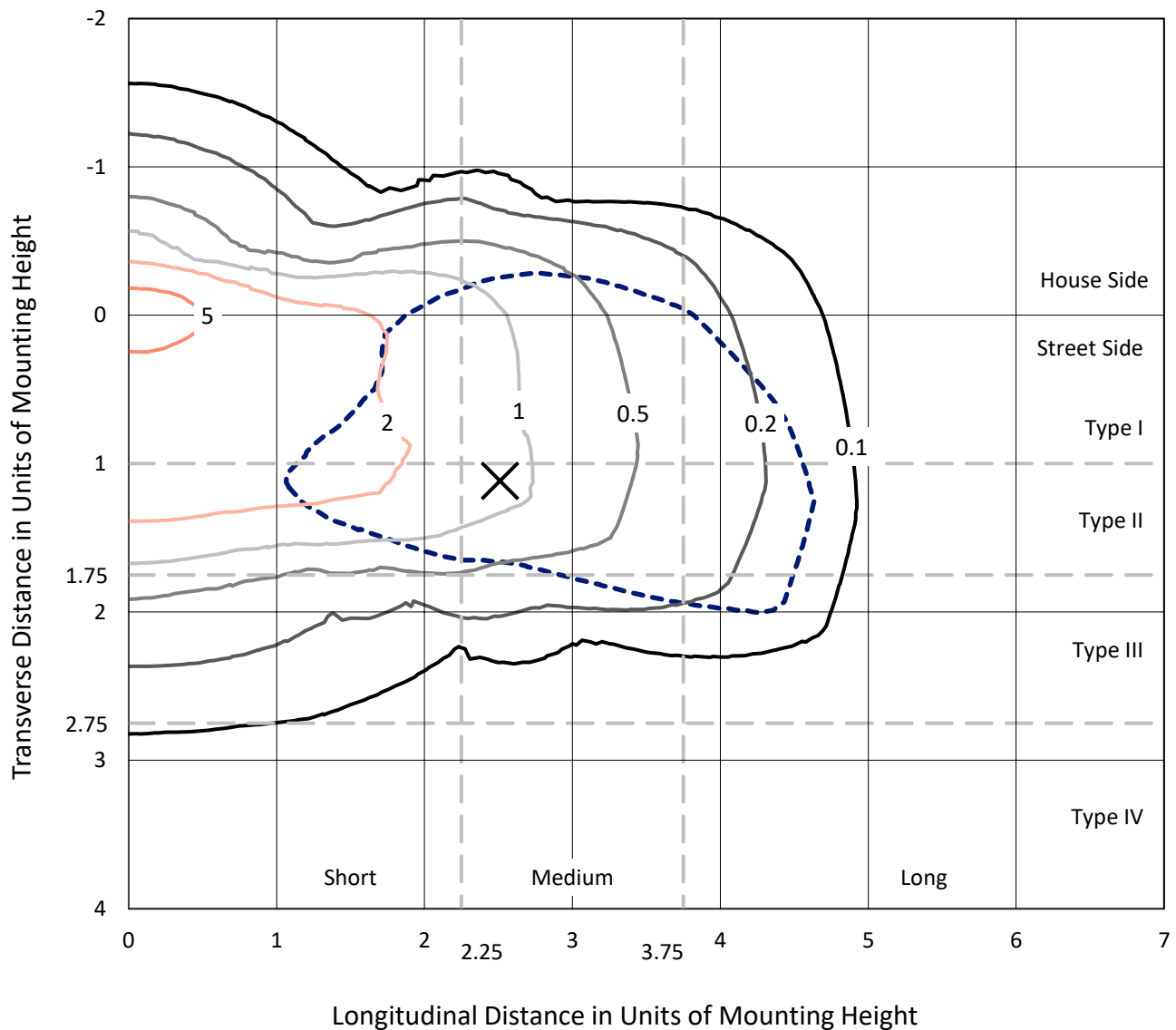
Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

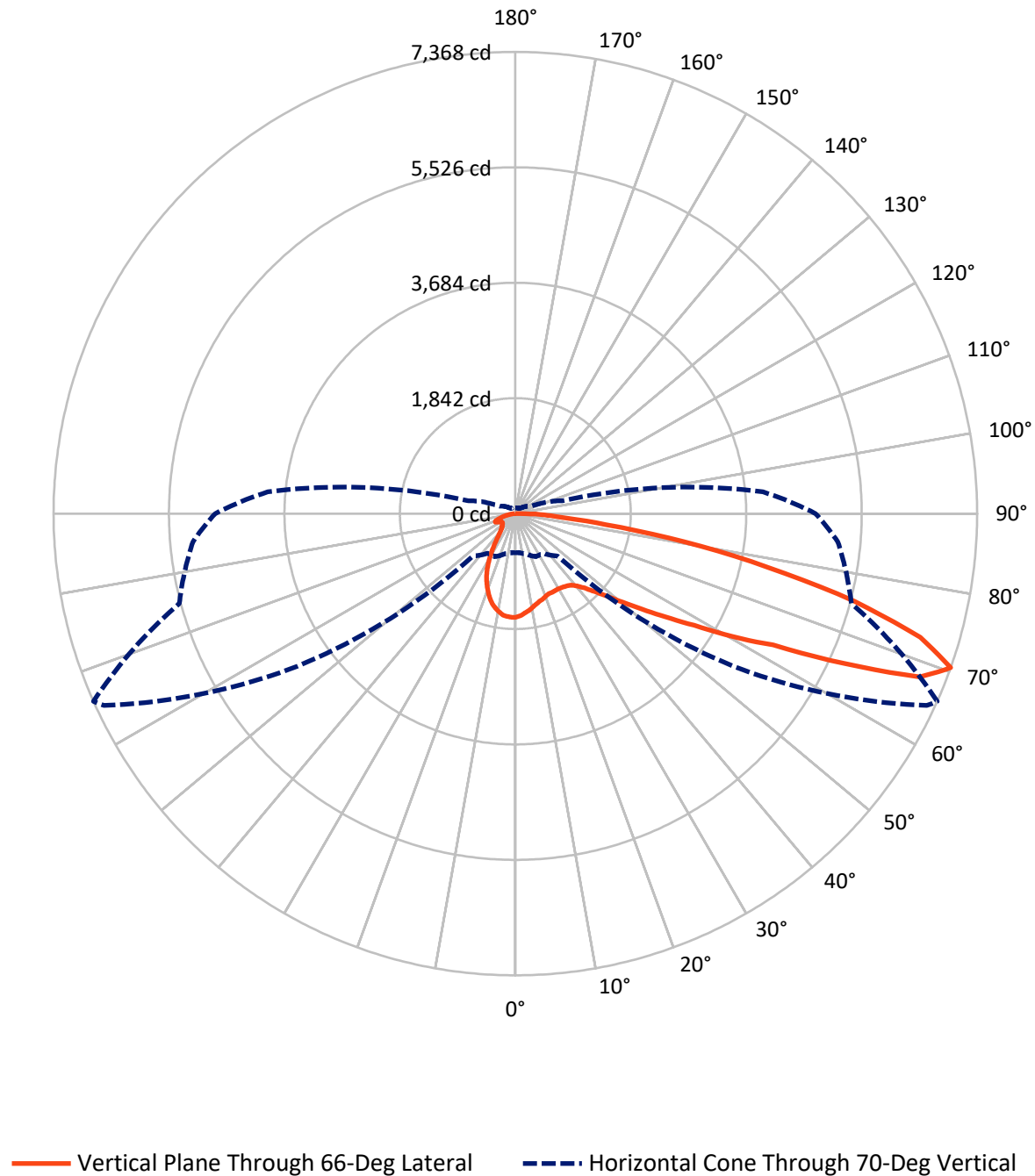


Based on 15 foot mounting height. Maximum calculated value = 7.3 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1531.8	0.0	1531.8
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	5951.7	0.0	5951.7
	% Fixture	79.5	0.0	79.5
Total	Lumens	7483.5	0.0	7483.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.2	2.0
10°-20°	359.9	4.8
20°-30°	494.2	6.6
30°-40°	662.7	8.9
40°-50°	961.5	12.8
50°-60°	1461.4	19.5
60°-70°	1805.0	24.1
70°-80°	1342.2	17.9
80°-90°	250.4	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°	7483.5	100.0
0°-180°	7483.5	100.0

Coefficient of Utilization



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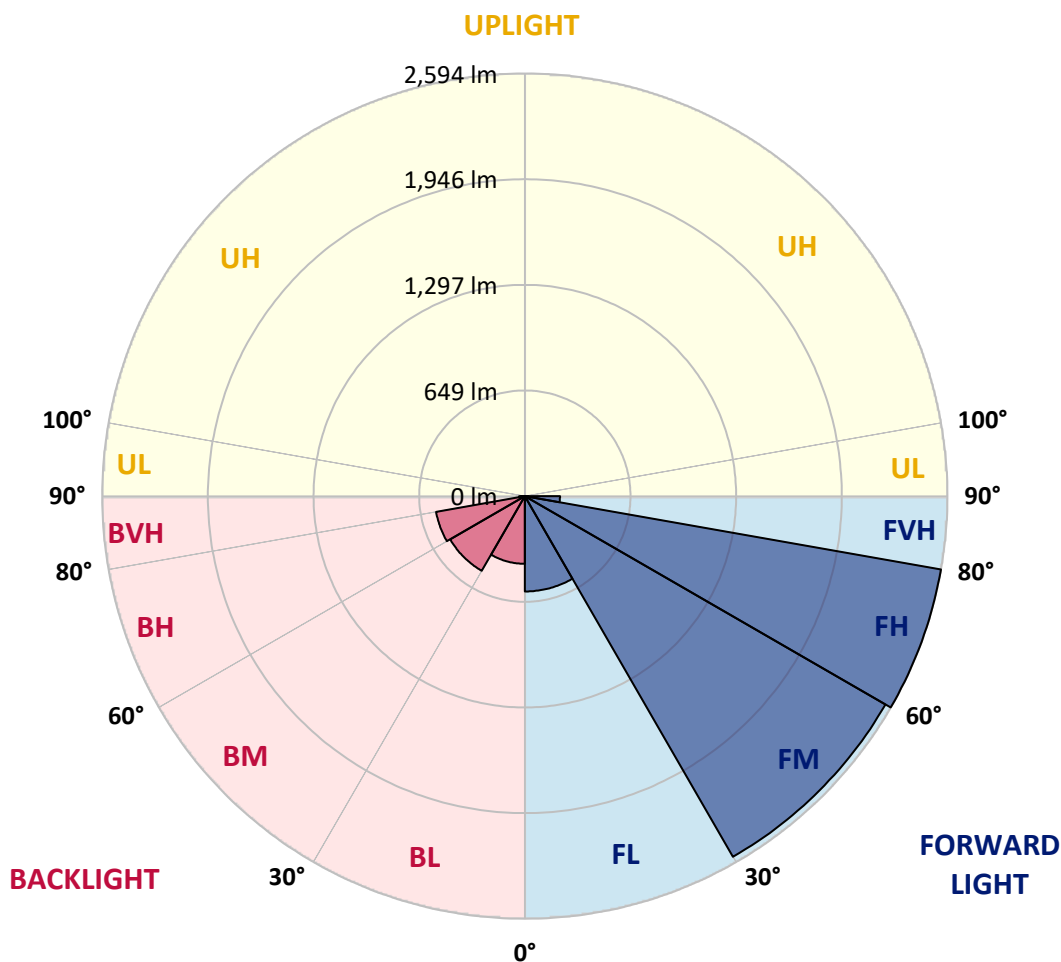
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	585.2	7.8			
FM	(30°-60°)	2556.5	34.2			
FH	(60°-80°)	2594.3	34.7			G2/5000
FVH	(80°-90°)	215.8	2.9			G2/225
BL	(0°-30°)	415.2	5.5	B1/500		
BM	(30°-60°)	529.1	7.1	B1/1000		
BH	(60°-80°)	552.9	7.4	B2/1000		G2/1000
BVH	(80°-90°)	34.6	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°	1653.3	1653.3	1653.3	1653.3	1653.3	1653.3	1653.3	1653.3	1653.3	1653.3	1653.3
2.5°	1572.6	1581.0	1583.7	1589.3	1603.2	1614.4	1631.1	1639.4	1631.1	1642.2	1642.2
5°	1464.1	1452.9	1480.8	1491.9	1508.6	1530.9	1569.8	1600.4	1592.1	1625.5	1653.3
7.5°	1372.2	1372.2	1380.6	1405.6	1425.1	1458.5	1500.2	1547.6	1561.5	1606.0	1647.8
10°	1288.7	1299.8	1299.8	1338.8	1349.9	1388.9	1458.5	1516.9	1519.7	1594.9	1653.3
12.5°	1244.2	1238.6	1266.4	1277.6	1311.0	1349.9	1405.6	1478.0	1480.8	1561.5	1642.2
15°	1208.0	1213.6	1227.5	1255.3	1285.9	1316.5	1369.4	1436.2	1450.1	1544.8	1636.6
17.5°	1210.8	1213.6	1213.6	1233.0	1258.1	1294.3	1344.4	1422.3	1430.7	1522.5	1628.3
20°	1227.5	1216.3	1224.7	1233.0	1249.7	1283.1	1324.9	1391.7	1400.0	1519.7	1647.8
22.5°	1263.7	1255.3	1252.5	1249.7	1247.0	1266.4	1319.3	1375.0	1383.3	1505.8	1656.1
25°	1322.1	1319.3	1299.8	1280.4	1266.4	1266.4	1308.2	1388.9	1386.1	1505.8	1661.7
27.5°	1391.7	1391.7	1388.9	1352.7	1311.0	1288.7	1316.5	1383.3	1380.6	1505.8	1675.6
30°	1486.3	1486.3	1478.0	1444.6	1369.4	1305.4	1322.1	1377.8	1386.1	1494.7	1664.5
32.5°	1589.3	1586.5	1594.9	1564.3	1486.3	1383.3	1355.5	1388.9	1397.3	1505.8	1667.2
35°	1664.5	1681.2	1709.0	1681.2	1603.2	1464.1	1402.8	1411.2	1416.7	1508.6	1678.4
37.5°	1750.7	1770.2	1809.2	1831.5	1748.0	1586.5	1478.0	1447.4	1447.4	1544.8	1681.2
40°	1876.0	1856.5	1923.3	1962.3	1928.9	1736.8	1594.9	1514.2	1516.9	1592.1	1717.3
42.5°	1967.9	1987.3	2056.9	2126.5	2084.8	1920.5	1722.9	1622.7	1622.7	1661.7	1773.0
45°	2070.8	2093.1	2190.5	2274.0	2304.6	2140.4	1898.3	1778.6	1773.0	1798.1	1873.2
47.5°	2185.0	2215.6	2326.9	2424.3	2505.0	2368.7	2123.7	1967.9	1965.1	1984.6	2040.2
50°	2315.8	2326.9	2418.8	2596.9	2758.3	2672.0	2399.3	2235.1	2221.1	2229.5	2304.6
52.5°	2354.7	2346.4	2452.2	2644.2	2939.3	3042.2	2775.0	2538.4	2532.9	2513.4	2610.8
55°	2212.8	2240.6	2343.6	2588.5	3086.8	3479.2	3187.0	2953.2	2903.1	2850.2	2967.1
57.5°	1928.9	1931.7	2048.6	2338.0	2972.7	3841.1	3885.6	3359.5	3362.3	3220.4	3354.0
60°	1500.2	1491.9	1583.7	1845.4	2647.0	3952.4	4648.2	4008.1	3980.2	3590.6	3713.0
62.5°	1082.7	1066.0	1085.5	1238.6	1979.0	3782.6	5397.0	4734.5	4617.6	3969.1	4063.7
65°	890.7	899.0	907.4	915.7	1110.6	3120.2	5628.0	5920.3	5764.4	4411.7	4450.6
67.5°	737.6	743.2	779.3	829.4	823.9	1842.6	5360.8	7016.9	6958.5	4960.0	4784.6
70°	626.3	623.5	665.2	757.1	771.0	957.5	4244.7	7242.4	7367.6	5550.1	5163.2
72.5°	501.0	506.6	542.8	665.2	757.1	807.2	2443.8	6758.0	6755.3	6003.8	4960.0
75°	359.1	359.1	409.2	551.1	732.0	798.8	1352.7	5486.0	5589.0	5641.9	4303.1
77.5°	236.6	247.7	286.7	411.9	687.5	782.1	857.3	3988.6	4116.6	4219.6	3292.7
80°	161.4	167.0	192.1	286.7	581.7	787.7	701.4	2683.2	2733.3	2329.7	1336.0
82.5°	97.4	100.2	128.0	200.4	417.5	748.7	659.7	1480.8	1450.1	704.2	384.1
85°	52.9	55.7	80.7	133.6	275.6	654.1	648.5	726.5	676.4	258.9	161.4
87.5°	19.5	19.5	36.2	66.8	158.7	448.1	565.0	431.4	403.6	130.8	75.2
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°	1653.3	1653.3	1653.3	1653.3	1653.3	1653.3	1653.3	1653.3	1653.3	1653.3	1653.3
2.5°	1656.1	1656.1	1656.1	1656.1	1653.3	1642.2	1650.5	1647.8	1631.1	1633.8	1622.7
5°	1650.5	1664.5	1656.1	1645.0	1631.1	1597.7	1586.5	1578.2	1555.9	1547.6	1555.9
7.5°	1664.5	1653.3	1647.8	1628.3	1572.6	1542.0	1503.0	1455.7	1422.3	1414.0	1422.3
10°	1661.7	1661.7	1636.6	1581.0	1528.1	1439.0	1388.9	1305.4	1258.1	1244.2	1247.0
12.5°	1650.5	1658.9	1619.9	1530.9	1430.7	1322.1	1230.3	1141.2	1057.7	1024.3	1018.7
15°	1661.7	1653.3	1583.7	1469.6	1330.5	1180.2	1046.6	915.7	837.8	787.7	776.6
17.5°	1645.0	1636.6	1536.4	1386.1	1199.6	1007.6	840.6	698.6	620.7	601.2	601.2
20°	1664.5	1611.6	1480.8	1285.9	1063.3	818.3	629.0	523.3	503.8	503.8	509.4
22.5°	1661.7	1606.0	1433.4	1188.5	899.0	617.9	467.6	437.0	439.8	462.0	459.3
25°	1645.0	1594.9	1366.6	1080.0	726.5	464.8	386.9	378.5	398.0	423.1	420.3
27.5°	1642.2	1564.3	1305.4	951.9	553.9	367.4	336.8	336.8	356.3	378.5	375.8
30°	1625.5	1539.2	1230.3	807.2	417.5	320.1	309.0	309.0	317.3	328.4	328.4
32.5°	1622.7	1505.8	1146.8	656.9	334.0	289.5	283.9	286.7	286.7	292.3	289.5
35°	1600.4	1461.3	1060.5	509.4	289.5	272.8	267.2	264.4	264.4	261.6	261.6
37.5°	1592.1	1433.4	971.4	395.2	270.0	258.9	253.3	244.9	242.2	242.2	239.4
40°	1600.4	1405.6	885.1	320.1	253.3	247.7	239.4	228.2	225.5	225.5	225.5
42.5°	1631.1	1402.8	796.0	278.3	244.9	236.6	225.5	214.3	211.5	214.3	211.5
45°	1700.6	1425.1	709.8	258.9	233.8	225.5	211.5	203.2	200.4	203.2	203.2
47.5°	1814.8	1486.3	631.8	247.7	225.5	214.3	200.4	192.1	192.1	192.1	192.1
50°	2004.0	1603.2	556.7	239.4	219.9	206.0	192.1	180.9	178.1	178.1	180.9
52.5°	2287.9	1803.6	495.4	233.8	211.5	194.8	180.9	172.6	167.0	164.2	167.0
55°	2630.3	2095.9	476.0	228.2	200.4	186.5	172.6	161.4	155.9	155.9	153.1
57.5°	2997.7	2418.8	509.4	222.7	192.1	175.4	161.4	150.3	144.7	142.0	142.0
60°	3395.7	2800.1	631.8	219.9	183.7	164.2	150.3	142.0	133.6	130.8	130.8
62.5°	3757.6	3145.2	851.7	217.1	178.1	153.1	139.2	128.0	122.5	119.7	119.7
65°	4169.5	3529.3	1066.0	228.2	175.4	144.7	128.0	116.9	111.3	108.6	108.6
67.5°	4528.6	3863.3	1191.3	256.1	183.7	133.6	114.1	105.8	103.0	100.2	100.2
70°	4790.2	3966.3	798.8	281.1	197.6	125.3	103.0	97.4	91.9	91.9	91.9
72.5°	4439.5	3540.5	473.2	264.4	186.5	116.9	91.9	86.3	83.5	83.5	80.7
75°	3796.5	3014.4	364.6	214.3	150.3	100.2	80.7	75.2	72.4	72.4	69.6
77.5°	2802.9	2159.9	270.0	169.8	116.9	80.7	69.6	66.8	64.0	61.2	61.2
80°	1096.7	946.3	183.7	125.3	86.3	64.0	58.5	55.7	52.9	50.1	50.1
82.5°	339.6	286.7	105.8	83.5	61.2	50.1	47.3	44.5	41.8	39.0	39.0
85°	147.5	142.0	69.6	52.9	41.8	33.4	33.4	30.6	27.8	25.1	25.1
87.5°	72.4	69.6	39.0	25.1	22.3	16.7	16.7	13.9	11.1	11.1	11.1
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)