

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: P671103

Luminaire Tested: **CCP-SA-1B-740-U-T4W**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671103
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-740-U-T4W
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T4W
distribution lens
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

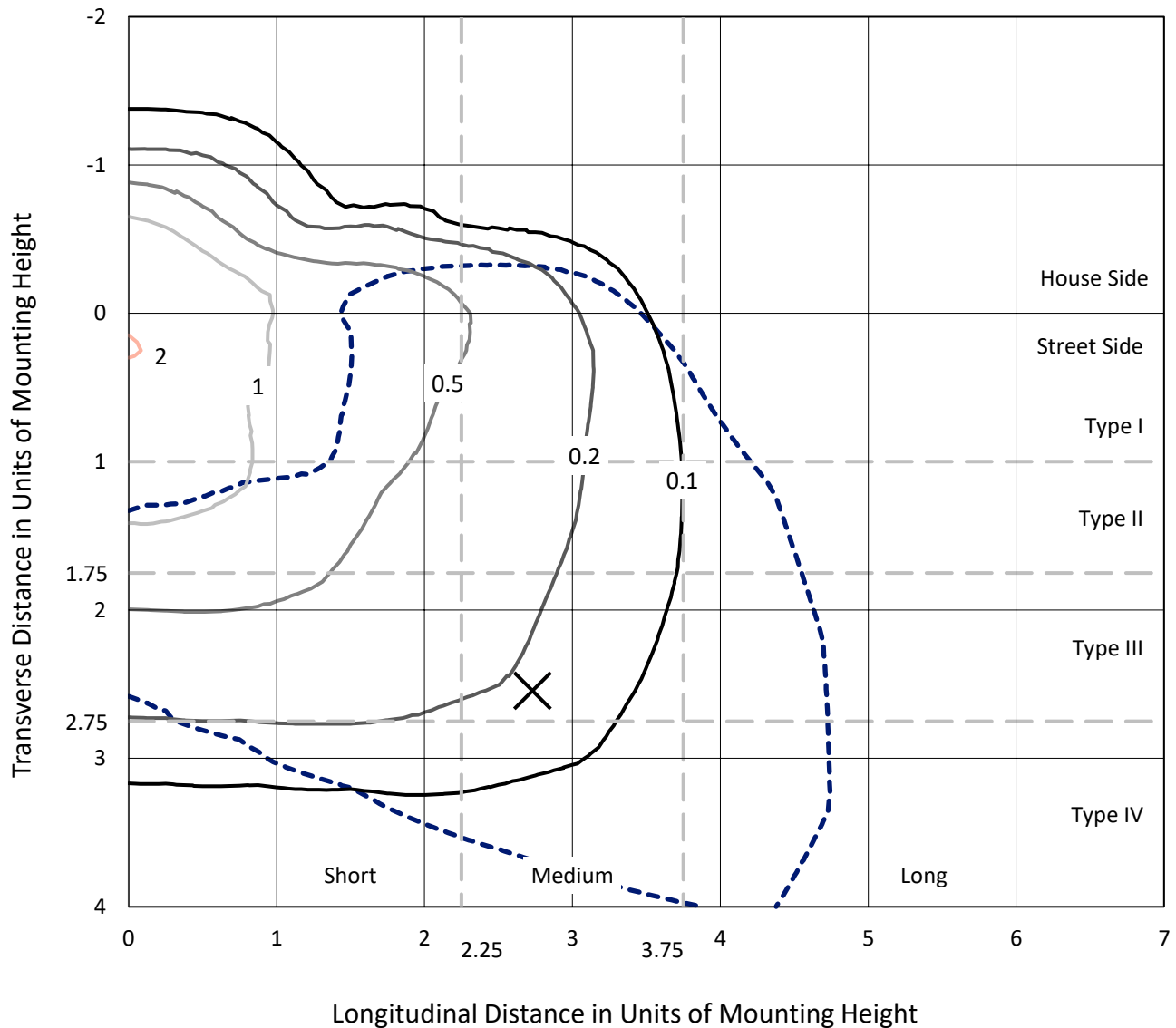
Lumens per Lamp: N/A
Luminaire Lumens: 3484.1 lumens
Efficiency: N/A
Efficacy: 145.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 24
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

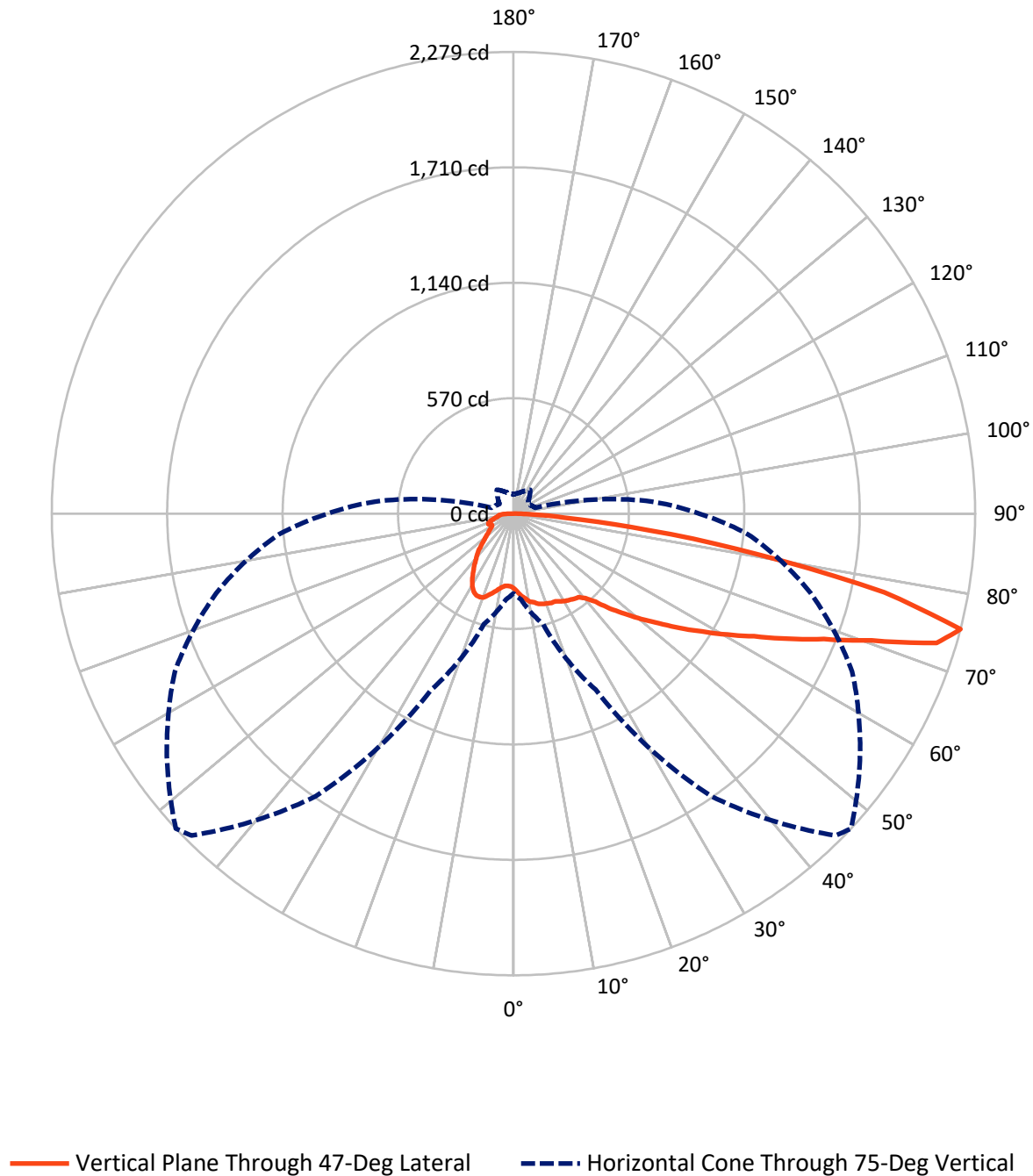
× Max cd
 --- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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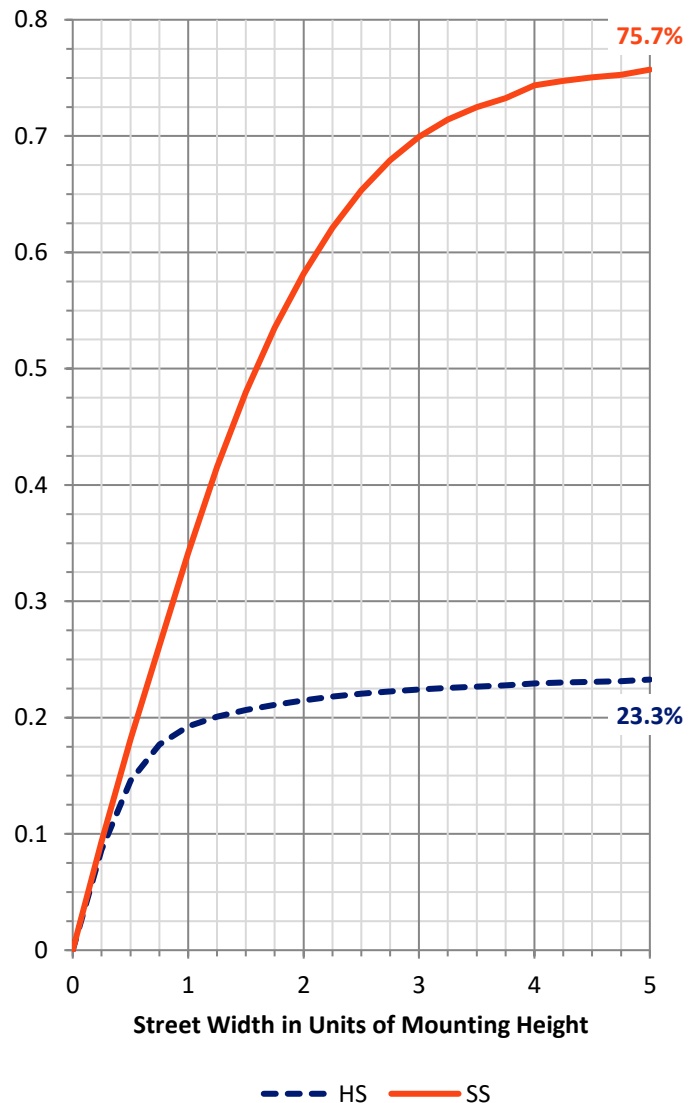
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	833.2	0.0	833.2
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	2650.9	0.0	2650.9
	% Fixture	76.1	0.0	76.1
Total	Lumens	3484.1	0.0	3484.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.4	1.1
10°-20°	124.2	3.6
20°-30°	212.7	6.1
30°-40°	297.6	8.5
40°-50°	415.0	11.9
50°-60°	620.3	17.8
60°-70°	894.3	25.7
70°-80°	761.3	21.8
80°-90°	121.3	3.5
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°	3484.1	100.0
0°-180°	3484.1	100.0

Coefficient of Utilization



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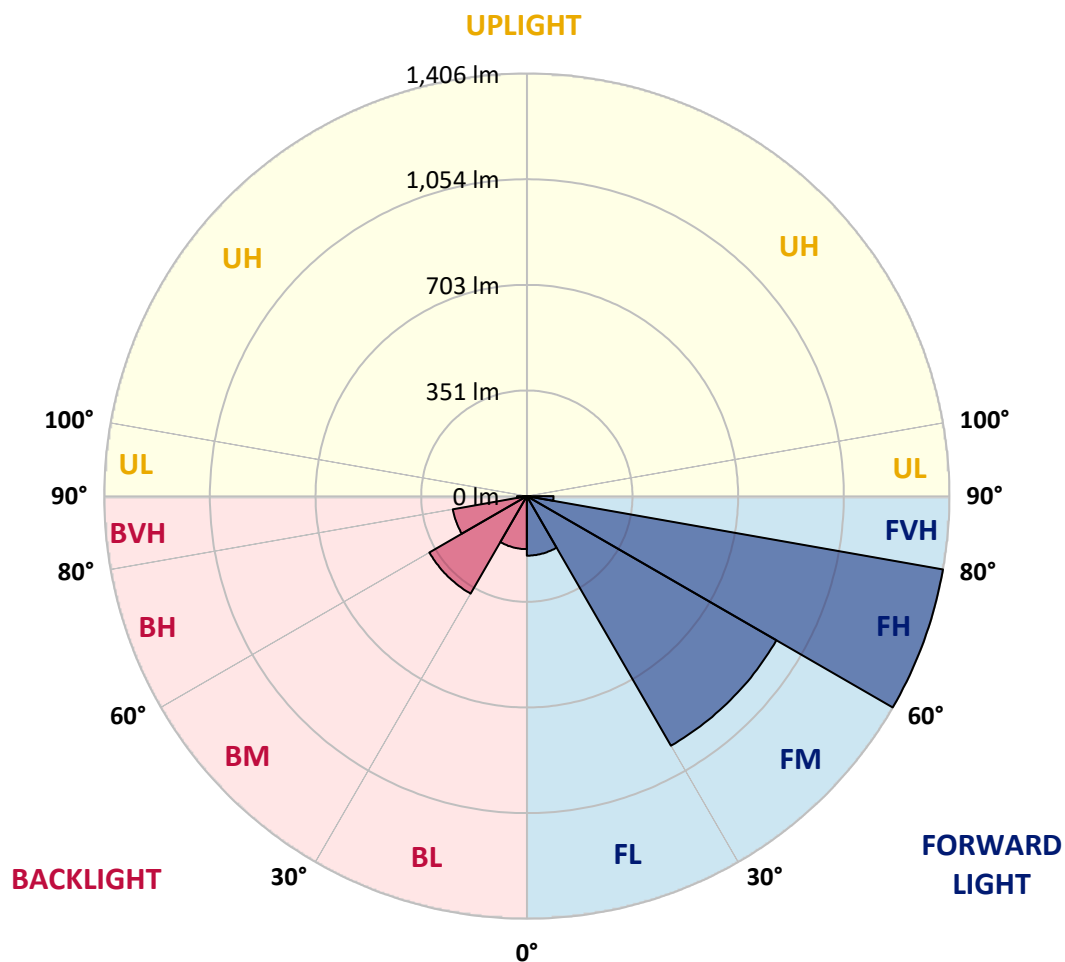
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	198.0	5.7			
FM	(30°-60°)	958.4	27.5			
FH	(60°-80°)	1405.6	40.3			G1/1800
FVH	(80°-90°)	88.9	2.6			G1/100
BL	(0°-30°)	176.4	5.1	B1/500		
BM	(30°-60°)	374.5	10.7	B1/1000		
BH	(60°-80°)	250.0	7.2	B1/500		G1/500
BVH	(80°-90°)	32.4	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	369.9	369.9	369.9	369.9	369.9	369.9	369.9	369.9	369.9	369.9	369.9
2.5°	396.6	397.9	397.9	395.4	392.8	387.7	387.7	382.6	380.1	373.7	371.2
5°	433.5	429.7	425.9	424.6	418.2	409.3	408.1	403.0	389.0	382.6	373.7
7.5°	460.2	458.9	457.7	452.6	441.1	427.1	423.3	415.7	401.7	389.0	378.8
10°	481.8	486.9	481.8	470.4	458.9	443.7	442.4	428.4	415.7	400.4	387.7
12.5°	506.0	507.2	498.3	484.3	466.6	453.8	448.8	443.7	429.7	417.0	397.9
15°	522.5	519.9	513.6	494.5	474.2	461.5	462.7	456.4	441.1	432.2	411.9
17.5°	522.5	522.5	512.3	498.3	480.5	469.1	469.1	465.3	455.1	442.4	428.4
20°	512.3	512.3	506.0	498.3	478.0	475.4	472.9	470.4	470.4	458.9	438.6
22.5°	499.6	497.1	499.6	486.9	472.9	475.4	479.3	478.0	474.2	464.0	450.0
25°	486.9	488.2	490.7	481.8	469.1	480.5	479.3	485.6	483.1	475.4	464.0
27.5°	485.6	488.2	489.4	480.5	475.4	485.6	490.7	497.1	498.3	490.7	476.7
30°	504.7	503.4	502.1	490.7	486.9	495.8	500.9	509.8	517.4	500.9	489.4
32.5°	554.3	546.6	539.0	508.5	497.1	503.4	508.5	521.2	522.5	513.6	497.1
35°	633.1	628.0	602.6	549.2	517.4	511.0	516.1	525.0	527.6	521.2	508.5
37.5°	723.3	720.8	685.2	620.4	559.4	528.8	523.8	536.5	546.6	532.7	514.9
40°	812.3	802.2	776.7	713.2	612.7	555.5	549.2	555.5	559.4	549.2	537.7
42.5°	892.4	881.0	874.6	811.1	682.7	600.0	594.9	579.7	591.1	578.4	563.2
45°	959.8	957.3	954.7	900.0	762.8	672.5	668.7	629.3	642.0	631.8	610.2
47.5°	1008.1	1019.5	1015.7	985.2	854.3	750.0	738.6	687.7	706.8	696.6	675.0
50°	1065.3	1071.7	1067.9	1047.5	939.5	839.0	817.4	765.3	786.9	785.6	774.2
52.5°	1116.2	1135.2	1113.6	1112.3	1061.5	935.6	898.8	849.2	884.8	898.8	897.5
55°	1175.9	1191.2	1184.8	1182.3	1170.8	1029.7	996.7	936.9	996.7	1017.0	1034.8
57.5°	1226.8	1225.5	1249.6	1278.9	1292.9	1137.8	1098.4	1028.4	1118.7	1141.6	1191.2
60°	1249.6	1271.3	1311.9	1385.7	1425.1	1253.5	1212.8	1156.8	1242.0	1259.8	1351.3
62.5°	1264.9	1284.0	1362.8	1487.4	1510.3	1371.7	1333.5	1277.6	1376.8	1389.5	1525.5
65°	1222.9	1240.7	1397.1	1525.5	1606.9	1498.8	1489.9	1431.4	1511.5	1519.2	1708.6
67.5°	1174.6	1193.7	1367.9	1573.8	1735.3	1667.9	1653.9	1584.0	1645.0	1636.1	1848.4
70°	1089.5	1114.9	1292.9	1615.8	1877.6	1904.3	1876.4	1777.2	1783.6	1699.7	1854.8
72.5°	830.1	846.7	1011.9	1449.2	1943.7	2232.3	2184.0	1985.7	1913.2	1712.4	1637.4
75°	394.1	424.6	564.4	958.5	1703.5	2247.6	2279.4	2088.7	1844.6	1519.2	1160.7
77.5°	114.4	114.4	171.6	406.8	1067.9	1811.5	1871.3	1773.4	1521.7	1125.1	610.2
80°	62.3	66.1	90.3	143.7	469.1	1142.9	1229.3	1175.9	896.2	444.9	157.6
82.5°	35.6	36.9	59.7	86.4	213.6	621.6	672.5	610.2	340.7	134.8	73.7
85°	20.3	21.6	34.3	57.2	127.1	228.8	249.2	216.1	137.3	90.3	36.9
87.5°	10.2	10.2	16.5	26.7	64.8	64.8	63.6	77.5	82.6	54.7	16.5
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°	369.9	369.9	369.9	369.9	369.9	369.9	369.9	369.9	369.9	369.9	369.9
2.5°	369.9	368.7	368.7	363.6	362.3	358.5	358.5	356.0	354.7	358.5	358.5
5°	371.2	364.9	363.6	358.5	359.8	357.2	362.3	359.8	358.5	358.5	357.2
7.5°	373.7	367.4	362.3	358.5	357.2	361.0	367.4	367.4	375.0	371.2	371.2
10°	380.1	376.3	369.9	367.4	367.4	371.2	378.8	383.9	390.3	390.3	386.5
12.5°	395.4	389.0	381.4	377.6	382.6	386.5	394.1	399.2	406.8	409.3	406.8
15°	406.8	400.4	397.9	395.4	399.2	404.3	410.6	415.7	424.6	427.1	425.9
17.5°	422.1	414.4	413.2	414.4	417.0	420.8	424.6	428.4	434.8	434.8	434.8
20°	429.7	427.1	425.9	429.7	434.8	439.9	437.3	434.8	433.5	436.0	434.8
22.5°	443.7	441.1	442.4	446.2	446.2	443.7	439.9	431.0	428.4	431.0	428.4
25°	456.4	453.8	453.8	451.3	450.0	441.1	433.5	425.9	417.0	420.8	419.5
27.5°	469.1	467.8	467.8	457.7	444.9	429.7	419.5	410.6	405.5	411.9	408.1
30°	484.3	485.6	479.3	455.1	424.6	408.1	396.6	395.4	394.1	397.9	396.6
32.5°	498.3	499.6	489.4	451.3	409.3	377.6	366.1	367.4	373.7	380.1	386.5
35°	506.0	512.3	499.6	438.6	378.8	343.2	330.5	342.0	353.4	362.3	368.7
37.5°	519.9	536.5	514.9	424.6	352.1	312.7	303.8	307.6	321.6	335.6	342.0
40°	540.3	559.4	518.7	397.9	316.5	282.2	277.1	278.4	283.5	292.4	298.7
42.5°	575.9	596.2	522.5	363.6	280.9	263.1	249.2	245.4	241.5	241.5	240.3
45°	628.0	647.1	517.4	320.4	245.4	232.6	222.5	213.6	203.4	186.9	189.4
47.5°	704.3	719.5	521.2	282.2	212.3	202.1	194.5	184.3	169.1	151.3	150.0
50°	820.0	797.1	516.1	242.8	188.1	179.2	172.9	158.9	141.1	128.4	127.1
52.5°	954.7	908.9	511.0	209.8	167.8	160.2	155.1	139.8	123.3	117.0	115.7
55°	1117.4	1051.3	518.7	180.5	152.6	146.2	141.1	127.1	114.4	109.3	108.1
57.5°	1309.4	1205.2	560.6	157.6	136.0	133.5	132.2	120.8	109.3	105.5	104.2
60°	1489.9	1352.6	588.6	141.1	120.8	123.3	125.9	120.8	108.1	105.5	105.5
62.5°	1641.2	1474.7	544.1	127.1	113.1	120.8	132.2	128.4	123.3	125.9	123.3
65°	1774.7	1516.6	406.8	119.5	109.3	127.1	146.2	144.9	133.5	136.0	134.8
67.5°	1797.6	1465.8	265.7	113.1	106.8	139.8	164.0	148.7	125.9	125.9	122.0
70°	1702.2	1329.7	178.0	106.8	105.5	139.8	167.8	139.8	118.2	118.2	113.1
72.5°	1397.1	1062.8	137.3	100.4	96.6	124.6	158.9	132.2	110.6	108.1	99.2
75°	917.8	685.2	111.9	95.3	83.9	109.3	143.7	122.0	105.5	97.9	94.1
77.5°	450.0	307.6	94.1	83.9	72.5	95.3	130.9	115.7	99.2	91.5	89.0
80°	123.3	110.6	78.8	73.7	61.0	82.6	123.3	110.6	92.8	85.2	81.4
82.5°	69.9	68.6	63.6	59.7	50.9	82.6	124.6	110.6	87.7	86.4	73.7
85°	38.1	40.7	45.8	44.5	39.4	73.7	118.2	96.6	71.2	59.7	59.7
87.5°	15.3	19.1	22.9	25.4	26.7	54.7	89.0	73.7	54.7	45.8	45.8
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)