

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: P670920

Luminaire Tested: **CCP-SA-2A-722-U-T4FT**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P670920
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-722-U-T4FT
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T4FT distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

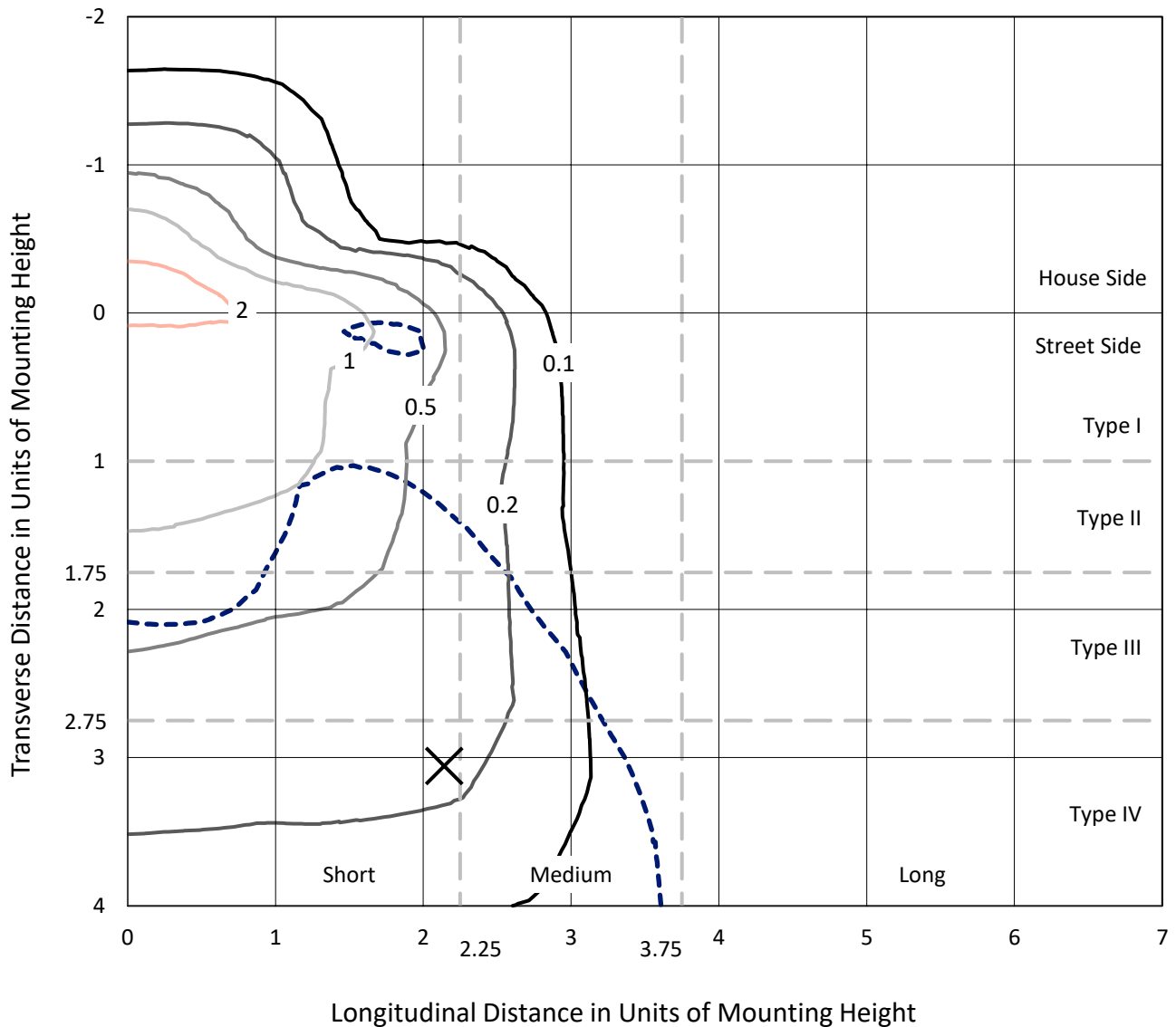
Lumens per Lamp: N/A
Luminaire Lumens: 4027.9 lumens
Efficiency: N/A
Efficacy: 111.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 36.2
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

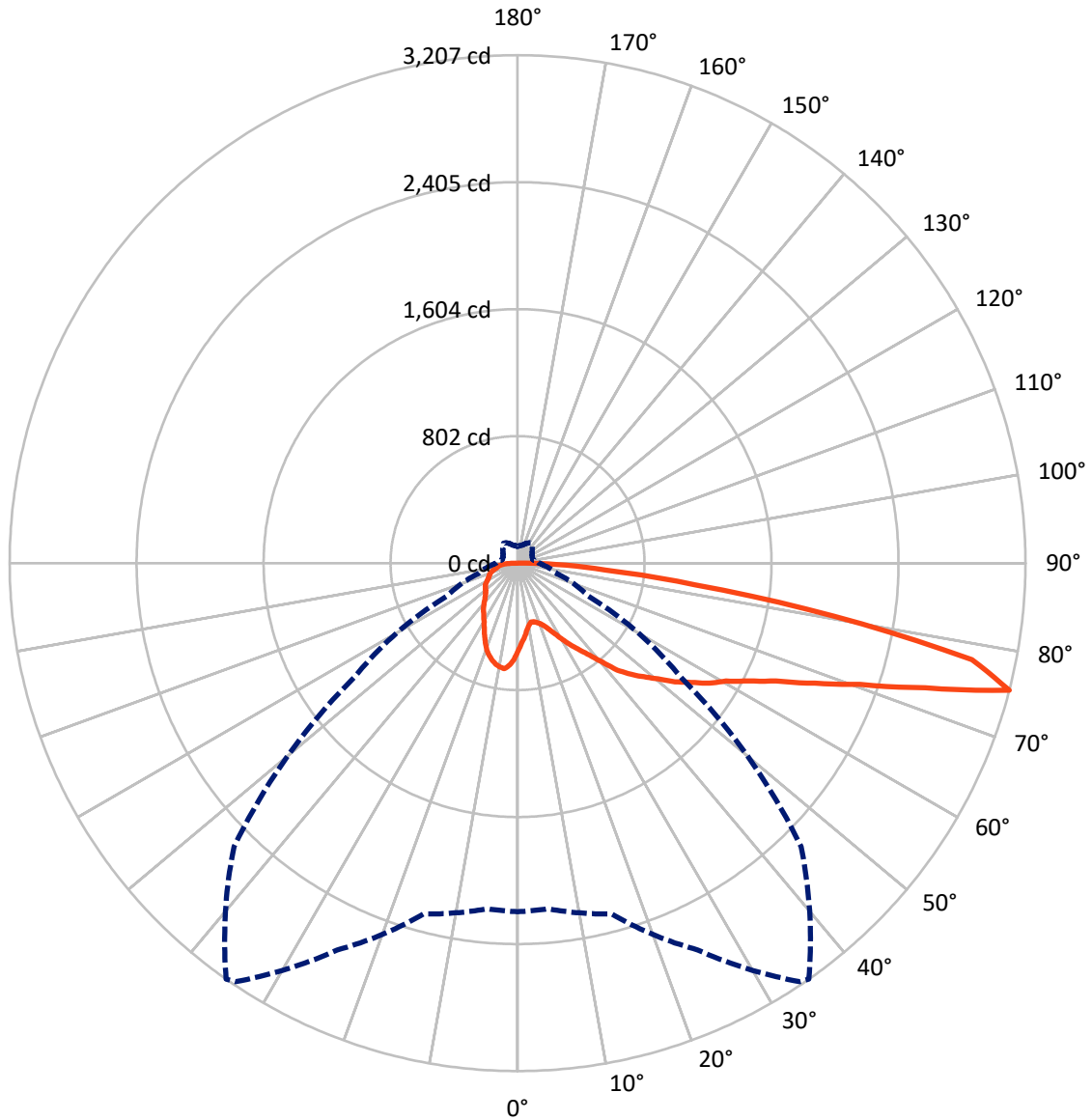
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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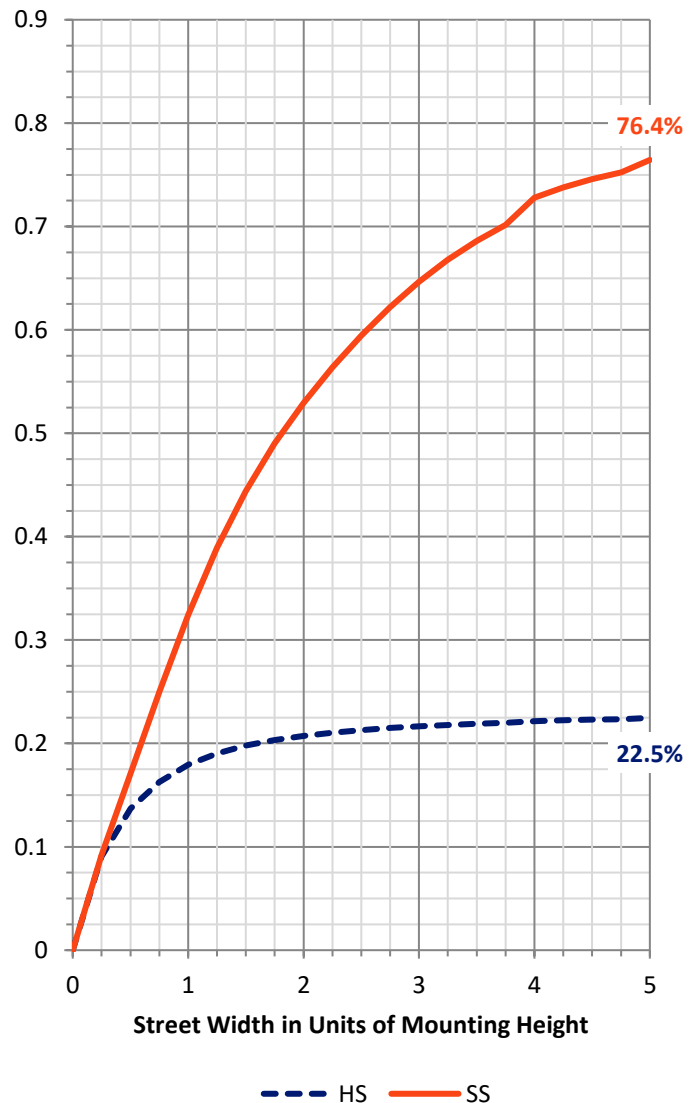
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	925.7	0.0	925.7
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	3102.2	0.0	3102.2
	% Fixture	77.0	0.0	77.0
Total	Lumens	4027.9	0.0	4027.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.6	1.3
10°-20°	152.6	3.8
20°-30°	253.2	6.3
30°-40°	375.4	9.3
40°-50°	541.3	13.4
50°-60°	744.3	18.5
60°-70°	919.4	22.8
70°-80°	841.1	20.9
80°-90°	148.1	3.7
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°	4027.9	100.0
0°-180°	4027.9	100.0



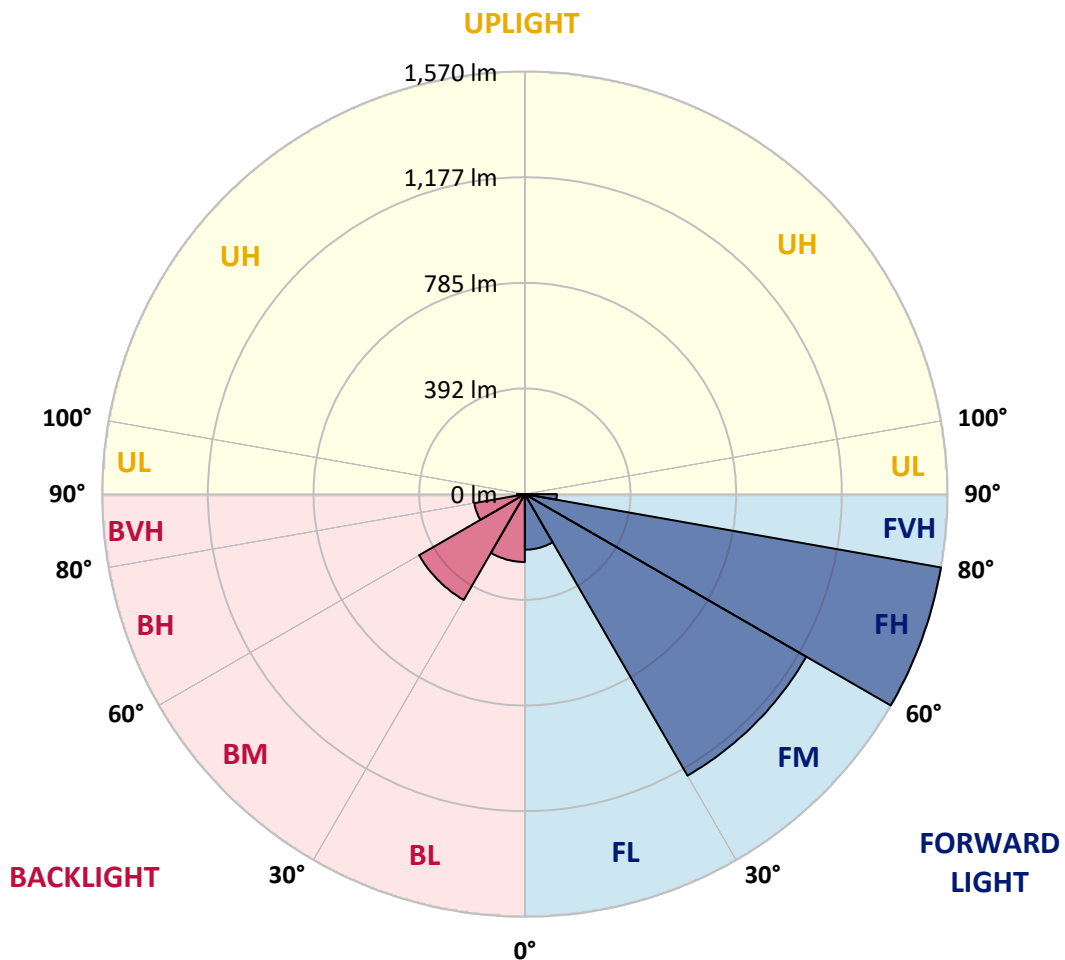
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	206.5	5.1			
FM (30°-60°)	1207.3	30.0			
FH (60°-80°)	1569.6	39.0			G1/1800
FVH (80°-90°)	118.8	3.0			G2/225
BL (0°-30°)	252.0	6.3	B1/500		
BM (30°-60°)	453.6	11.3	B1/1000		
BH (60°-80°)	190.9	4.7	B1/500		G1/500
BVH (80°-90°)	29.2	0.7			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8
2.5°	499.9	495.5	499.9	502.9	502.9	502.9	507.3	520.7	529.6	535.5	545.9
5°	448.0	449.5	452.5	459.9	464.3	467.3	474.7	491.0	504.4	523.7	545.9
7.5°	402.0	405.0	409.4	416.9	427.2	425.8	442.1	464.3	489.5	514.8	547.4
10°	378.3	384.2	385.7	387.2	397.6	397.6	419.8	445.0	476.2	508.8	547.4
12.5°	382.7	382.7	378.3	376.8	382.7	381.2	400.5	430.2	464.3	510.3	553.3
15°	396.1	396.1	387.2	378.3	387.2	384.2	400.5	424.3	464.3	511.8	565.2
17.5°	413.9	415.4	405.0	390.2	393.1	394.6	406.5	428.7	464.3	514.8	581.5
20°	449.5	442.1	425.8	402.0	412.4	408.0	425.8	445.0	473.2	526.6	605.3
22.5°	480.6	480.6	449.5	428.7	430.2	430.2	446.5	462.8	486.6	542.9	623.1
25°	531.1	528.1	489.5	458.4	461.4	462.8	471.7	491.0	508.8	551.8	645.3
27.5°	594.9	587.5	548.9	513.3	501.4	505.9	510.3	525.1	529.6	566.7	672.0
30°	663.1	652.7	620.1	563.7	557.8	559.3	551.8	560.7	554.8	590.4	698.7
32.5°	706.1	706.1	675.0	633.4	617.1	617.1	591.9	597.8	597.8	612.7	746.2
35°	743.2	740.2	719.5	688.3	677.9	672.0	646.8	655.7	640.9	655.7	812.9
37.5°	799.6	790.7	781.8	761.0	740.2	735.8	722.4	728.4	707.6	700.2	888.6
40°	864.9	860.4	851.5	842.6	821.8	820.4	805.5	811.5	789.2	761.0	964.3
42.5°	961.3	947.9	919.7	912.3	916.8	922.7	916.8	906.4	866.3	830.7	1045.8
45°	1057.7	1036.9	983.5	971.7	1005.8	1001.3	1026.6	1022.1	956.8	900.5	1131.9
47.5°	1120.0	1102.2	1059.2	1051.8	1066.6	1072.5	1148.2	1134.8	1031.0	964.3	1215.0
50°	1164.5	1166.0	1109.6	1128.9	1148.2	1148.2	1243.1	1241.7	1121.5	1042.9	1323.2
52.5°	1229.8	1209.0	1185.3	1203.1	1229.8	1244.6	1361.8	1329.2	1177.9	1109.6	1444.9
55°	1263.9	1255.0	1234.2	1265.4	1321.8	1329.2	1453.8	1428.6	1241.7	1188.3	1569.5
57.5°	1277.3	1284.7	1318.8	1332.1	1410.8	1430.1	1536.9	1501.3	1301.0	1286.2	1665.9
60°	1336.6	1326.2	1372.2	1425.6	1501.3	1511.6	1640.7	1563.6	1358.9	1350.0	1697.1
62.5°	1456.8	1430.1	1455.3	1519.1	1624.4	1637.7	1750.5	1646.6	1384.1	1393.0	1695.6
65°	1631.8	1612.5	1575.4	1625.9	1774.2	1793.5	1879.5	1717.8	1376.7	1378.1	1575.4
67.5°	1838.0	1806.9	1768.3	1799.4	1980.4	2024.9	2036.8	1749.0	1324.7	1295.1	1281.7
70°	2019.0	1998.2	1973.0	2026.4	2278.6	2294.9	2232.6	1729.7	1180.8	1039.9	854.5
72.5°	2188.1	2177.7	2192.6	2392.8	2682.1	2692.5	2416.6	1608.1	933.1	630.5	397.6
75°	2201.5	2191.1	2293.4	2695.5	3188.0	3207.2	2530.8	1260.9	492.5	256.6	167.6
77.5°	1490.9	1522.0	1713.4	2360.2	2928.4	2932.8	2069.4	586.0	203.2	151.3	117.2
80°	366.4	406.5	645.3	1220.9	1974.5	2023.4	1133.4	197.3	133.5	115.7	87.5
82.5°	133.5	145.4	262.6	551.8	1109.6	1128.9	396.1	106.8	96.4	89.0	63.8
85°	63.8	65.3	124.6	271.5	560.7	554.8	142.4	63.8	69.7	60.8	38.6
87.5°	26.7	26.7	54.9	126.1	247.7	240.3	46.0	29.7	40.1	35.6	19.3
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°	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8	551.8
2.5°	553.3	556.3	568.2	577.1	586.0	593.4	605.3	605.3	612.7	612.7	612.7
5°	551.8	568.2	587.5	608.2	621.6	634.9	646.8	648.3	652.7	658.7	660.1
7.5°	557.8	574.1	605.3	634.9	651.2	657.2	672.0	667.6	667.6	667.6	672.0
10°	569.6	587.5	630.5	657.2	669.0	670.5	666.1	663.1	654.2	651.2	646.8
12.5°	578.6	609.7	652.7	673.5	669.0	664.6	654.2	639.4	629.0	626.0	626.0
15°	600.8	632.0	672.0	679.4	672.0	648.3	634.9	618.6	609.7	596.4	602.3
17.5°	620.1	655.7	691.3	682.4	667.6	630.5	611.2	587.5	575.6	560.7	560.7
20°	645.3	677.9	709.1	685.4	652.7	612.7	581.5	551.8	535.5	520.7	523.7
22.5°	673.5	703.2	719.5	673.5	630.5	584.5	541.5	513.3	492.5	483.6	486.6
25°	695.7	728.4	725.4	654.2	603.8	548.9	501.4	474.7	470.3	461.4	461.4
27.5°	723.9	758.0	721.0	630.5	559.3	492.5	462.8	452.5	452.5	448.0	451.0
30°	761.0	784.8	710.6	596.4	502.9	442.1	427.2	433.2	443.6	439.1	440.6
32.5°	821.8	818.9	701.7	557.8	443.6	393.1	403.5	415.4	424.3	428.7	431.7
35°	881.2	861.9	691.3	505.9	388.7	369.4	378.3	391.6	408.0	412.4	413.9
37.5°	940.5	906.4	673.5	442.1	354.5	348.6	357.5	364.9	378.3	381.2	384.2
40°	1002.8	936.1	642.3	379.8	326.4	326.4	332.3	333.8	341.2	345.6	348.6
42.5°	1057.7	964.3	586.0	321.9	296.7	307.1	308.6	305.6	299.7	302.6	304.1
45°	1124.5	995.4	520.7	280.4	274.4	287.8	290.8	278.9	268.5	262.6	259.6
47.5°	1189.7	1028.0	464.3	246.3	253.7	274.4	274.4	261.1	243.3	228.5	222.5
50°	1249.1	1060.7	418.3	225.5	232.9	264.1	267.0	241.8	222.5	204.7	201.8
52.5°	1348.5	1115.6	370.9	209.2	221.0	256.6	255.2	232.9	207.7	188.4	186.9
55°	1436.0	1170.5	308.6	192.9	209.2	246.3	250.7	224.0	189.9	172.1	169.1
57.5°	1499.8	1183.8	246.3	176.5	197.3	234.4	240.3	206.2	178.0	163.2	161.7
60°	1511.6	1131.9	200.3	163.2	181.0	218.1	222.5	195.8	169.1	157.2	154.3
62.5°	1456.8	1032.5	170.6	151.3	167.6	201.8	210.7	183.9	160.2	149.8	148.3
65°	1332.1	887.1	149.8	140.9	158.7	189.9	200.3	175.0	152.8	143.9	142.4
67.5°	1054.7	680.9	133.5	133.5	146.9	178.0	192.9	169.1	145.4	139.4	138.0
70°	689.8	409.4	121.6	123.1	138.0	167.6	183.9	161.7	136.5	135.0	132.0
72.5°	296.7	188.4	108.3	112.7	124.6	149.8	170.6	151.3	126.1	121.6	117.2
75°	136.5	114.2	97.9	100.9	111.3	132.0	154.3	139.4	117.2	109.8	105.3
77.5°	96.4	83.1	81.6	87.5	94.9	114.2	136.5	130.5	108.3	102.4	99.4
80°	71.2	63.8	68.2	74.2	78.6	105.3	129.1	120.2	99.4	90.5	86.0
82.5°	50.4	47.5	53.4	59.3	63.8	92.0	118.7	105.3	83.1	75.7	68.2
85°	29.7	31.2	37.1	40.1	44.5	68.2	99.4	84.6	63.8	49.0	47.5
87.5°	13.4	13.4	17.8	19.3	22.3	40.1	66.8	53.4	40.1	31.2	29.7
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)