

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: P674750

Luminaire Tested: **CCP-SA-1E-830-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674750
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-830-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ T3R distribution lens and House Side Shield
Light Source: (16) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

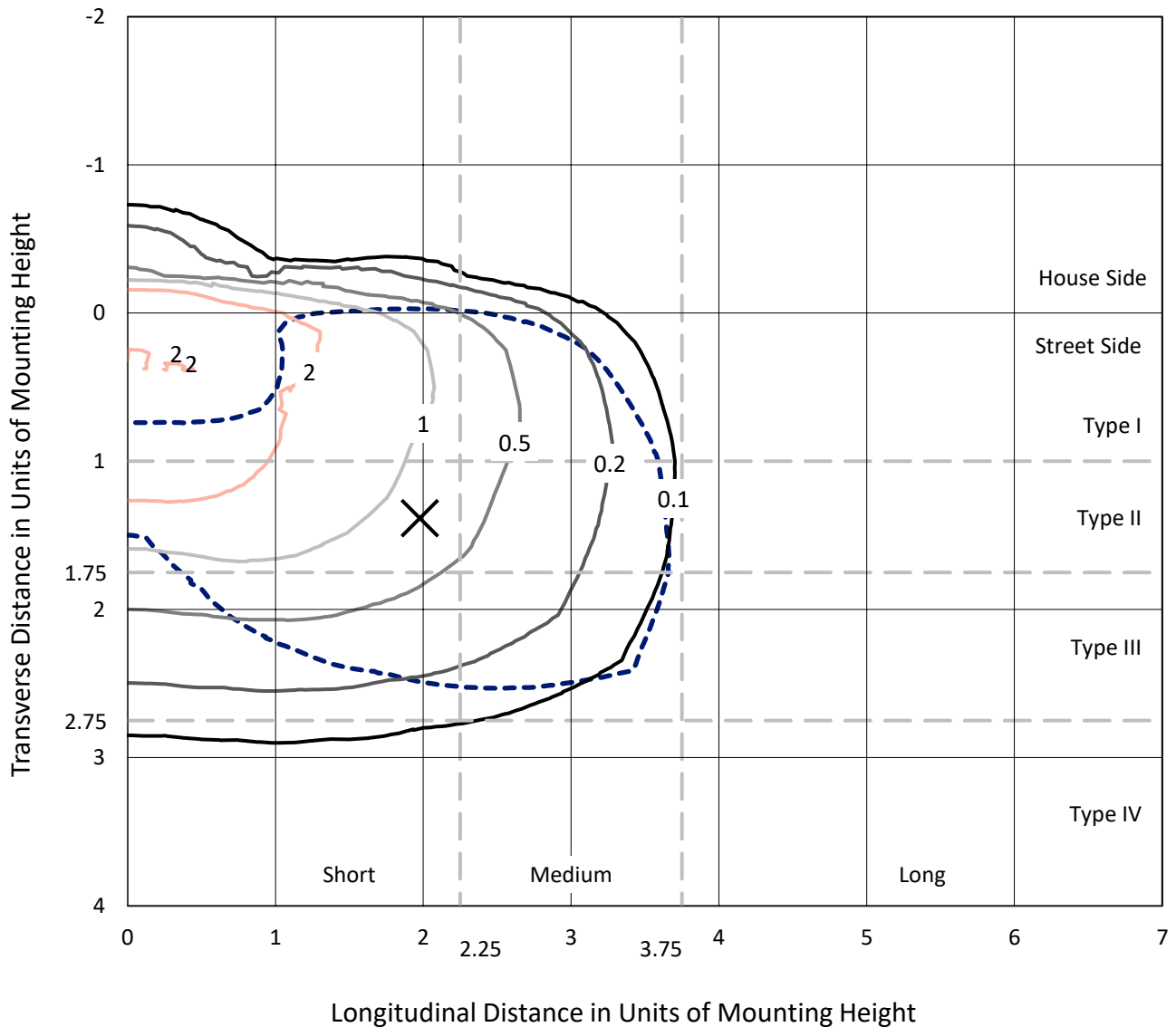
Lumens per Lamp: N/A
Luminaire Lumens: 4308.6 lumens
Efficiency: N/A
Efficacy: 76.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 56.1
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

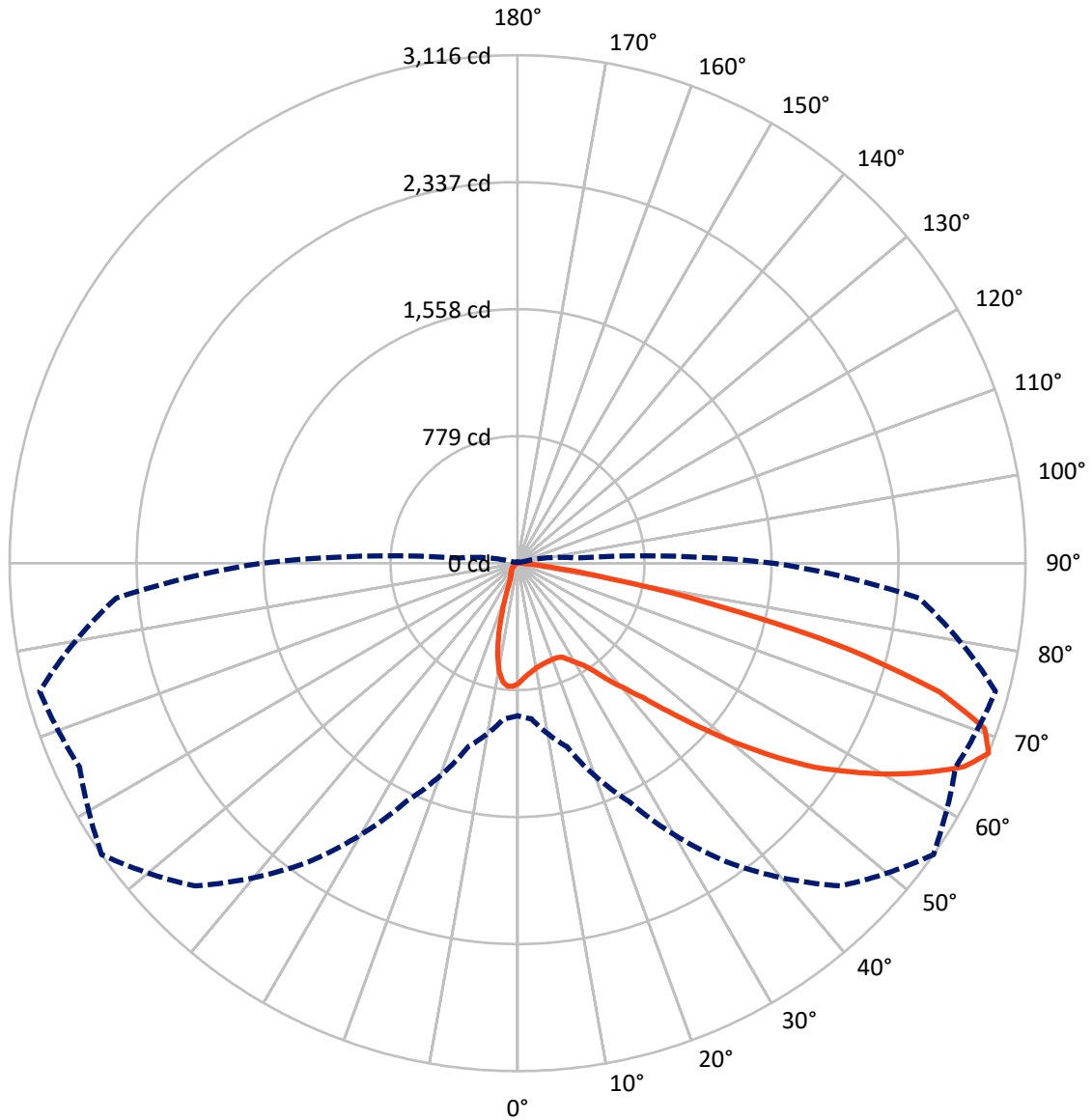
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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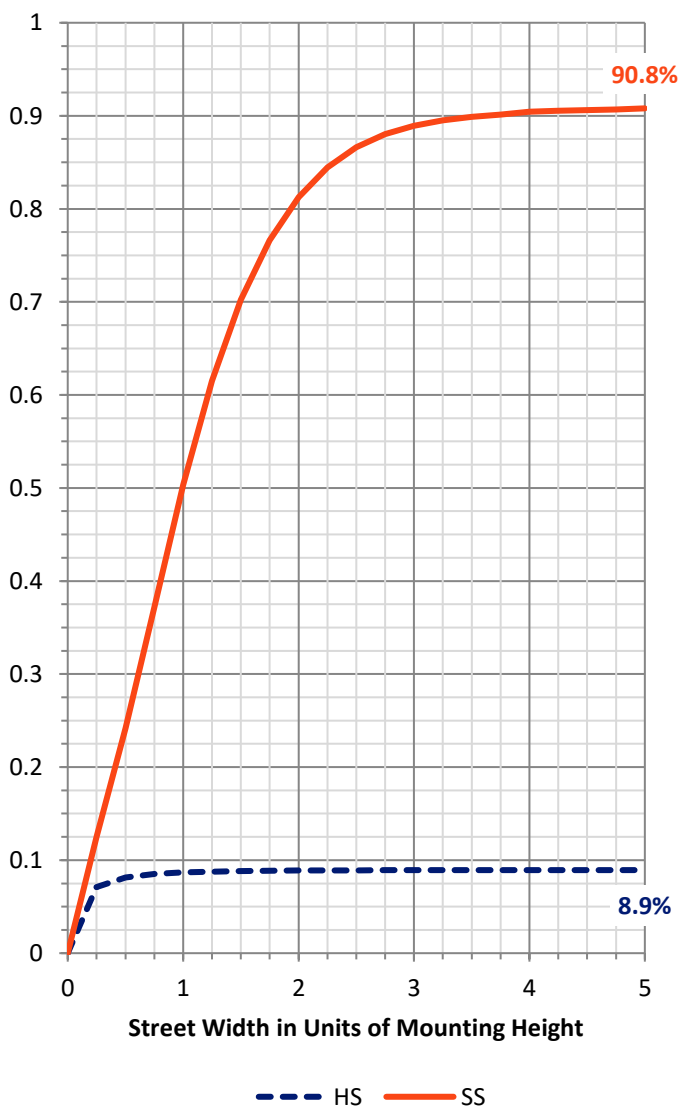
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	387.1	0.0	387.1
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	3921.6	0.0	3921.6
	% Fixture	91.0	0.0	91.0
Total	Lumens	4308.6	0.0	4308.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.8	1.5
10°-20°	147.5	3.4
20°-30°	236.7	5.5
30°-40°	410.6	9.5
40°-50°	684.6	15.9
50°-60°	1001.1	23.2
60°-70°	1167.3	27.1
70°-80°	566.5	13.1
80°-90°	29.6	0.7
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°	4308.6	100.0
0°-180°	4308.6	100.0



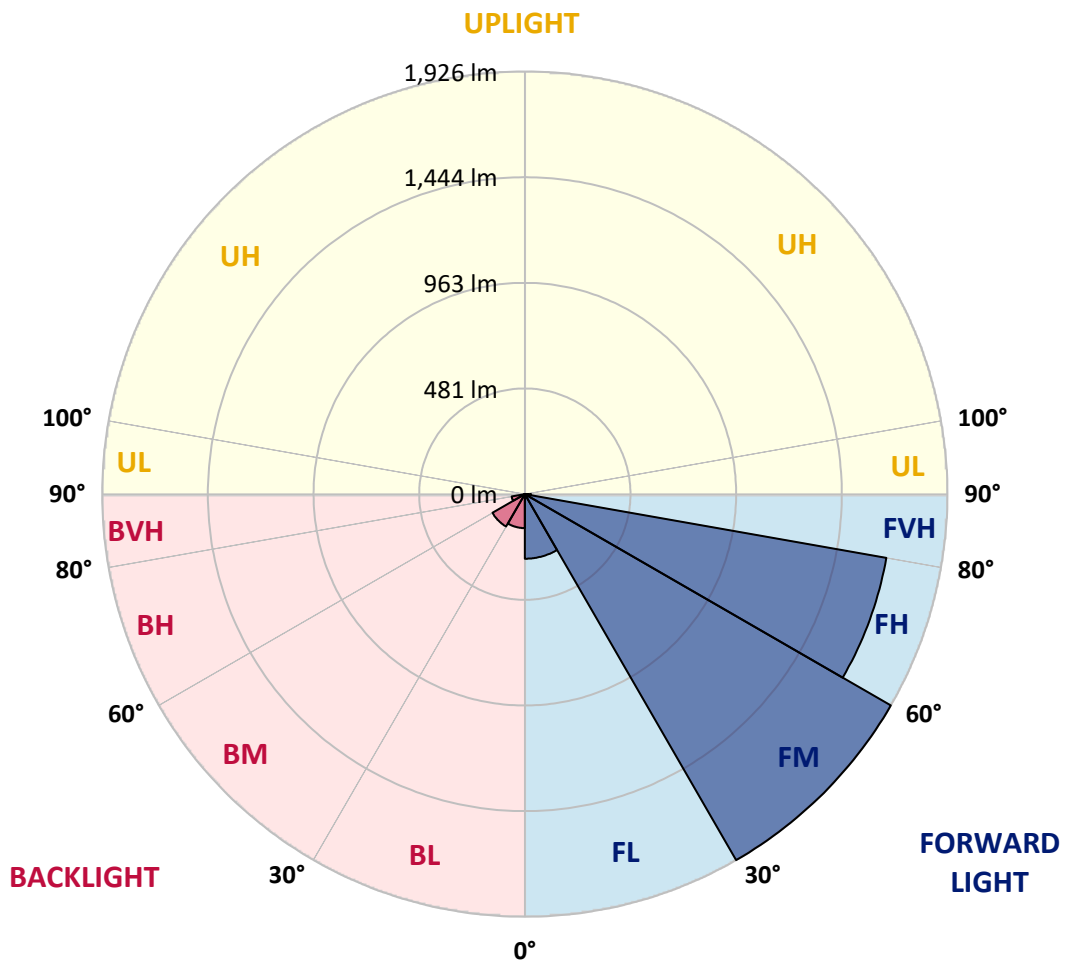
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	294.3	6.8			
FM (30°-60°)	1925.8	44.7			
FH (60°-80°)	1672.7	38.8			G1/1800
FVH (80°-90°)	28.8	0.7			G1/100
BL (0°-30°)	154.7	3.6	B1/500		
BM (30°-60°)	170.4	4.0	B0/220		
BH (60°-80°)	61.1	1.4	B0/110		G0/110
BVH (80°-90°)	0.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	738.4	738.4	738.4	738.4	738.4	738.4	738.4	738.4	738.4	738.4	738.4
2.5°	681.6	686.0	691.5	693.5	700.3	709.8	707.0	705.0	715.7	730.4	735.2
5°	639.1	639.5	648.3	654.6	666.1	675.3	685.2	684.4	703.8	728.8	744.7
7.5°	597.4	598.2	607.4	617.3	634.0	651.8	666.9	666.1	697.5	730.8	761.0
10°	542.7	546.6	557.8	575.2	601.4	629.6	650.6	652.6	690.3	738.4	783.2
12.5°	498.6	500.6	512.9	535.5	566.5	603.4	642.7	641.5	691.9	752.3	812.2
15°	479.9	478.8	486.3	503.0	538.3	584.7	634.8	637.5	697.5	768.1	842.4
17.5°	484.3	483.1	487.1	493.0	518.1	569.3	630.4	635.2	706.2	784.8	870.6
20°	532.7	524.4	517.3	510.9	514.5	556.6	627.6	632.8	711.4	797.5	900.3
22.5°	626.0	615.7	596.7	561.3	537.9	557.4	628.4	635.2	722.9	818.2	936.5
25°	778.1	768.1	727.3	655.0	593.1	585.9	639.1	646.3	749.5	849.5	975.0
27.5°	979.3	957.1	907.5	803.9	684.4	631.6	671.3	679.2	787.2	873.7	1001.2
30°	1146.5	1141.3	1093.7	966.6	810.2	698.7	707.4	711.8	804.3	888.4	1027.4
32.5°	1319.9	1309.2	1265.6	1142.1	956.3	794.4	747.9	749.9	826.5	910.3	1065.5
35°	1470.8	1460.9	1424.4	1304.5	1127.0	923.0	815.0	810.6	872.6	958.3	1117.1
37.5°	1610.5	1609.3	1577.2	1454.9	1280.2	1056.4	913.8	910.3	944.4	1011.1	1187.0
40°	1747.1	1743.9	1716.5	1605.0	1431.1	1189.3	1007.9	998.8	1005.5	1084.9	1279.1
42.5°	1830.9	1837.6	1847.1	1776.5	1610.1	1345.4	1127.0	1121.5	1120.3	1200.5	1400.1
45°	1876.1	1888.0	1944.0	1937.6	1799.9	1539.5	1296.5	1282.2	1277.5	1359.2	1538.7
47.5°	1920.2	1925.3	2017.0	2055.5	1981.7	1741.9	1501.4	1481.5	1462.1	1553.0	1704.2
50°	1923.0	1931.3	2044.8	2138.5	2134.1	1941.2	1731.2	1713.7	1691.5	1788.8	1865.8
52.5°	1884.1	1900.7	2041.3	2190.9	2228.6	2117.1	1969.8	1955.5	1937.2	2009.9	2002.0
55°	1615.3	1643.5	1971.4	2195.7	2294.9	2267.9	2209.6	2189.7	2171.9	2223.5	2135.3
57.5°	1487.5	1503.4	1759.4	2192.1	2379.5	2407.7	2417.6	2408.5	2383.4	2447.8	2274.7
60°	1410.9	1433.9	1658.2	2152.4	2470.8	2565.7	2628.0	2609.7	2579.2	2667.7	2423.9
62.5°	1319.2	1335.8	1557.3	2038.1	2525.2	2726.4	2825.3	2808.6	2745.5	2870.5	2544.6
65°	1150.0	1175.1	1397.0	1858.2	2452.1	2844.3	3011.1	3005.5	2895.9	3023.8	2577.6
67.5°	936.1	958.7	1165.5	1611.7	2238.6	2800.3	3116.3	3098.8	2964.2	3035.3	2473.2
70°	702.6	715.0	871.0	1231.4	1834.0	2564.9	3040.0	3036.5	2860.6	2864.6	2152.8
72.5°	377.1	411.3	579.2	824.1	1289.8	2077.4	2709.4	2695.1	2552.2	2346.1	1548.2
75°	131.8	141.7	308.5	462.9	700.7	1383.9	2083.3	2050.0	1908.7	1526.0	843.6
77.5°	81.0	88.9	137.0	236.6	272.7	600.6	1251.7	1208.4	1117.1	659.8	288.2
80°	56.0	63.1	91.7	123.9	92.9	194.5	576.0	559.7	430.7	157.2	66.3
82.5°	31.4	37.7	69.5	60.7	37.3	50.4	199.7	185.0	114.7	42.5	22.2
85°	18.3	21.8	48.8	42.9	19.1	17.9	52.0	46.4	29.8	15.9	10.7
87.5°	9.5	12.3	35.7	28.6	11.5	6.4	11.9	11.5	7.5	5.6	7.1
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°	738.4	738.4	738.4	738.4	738.4	738.4	738.4	738.4	738.4	738.4	738.4
2.5°	743.9	741.9	752.3	755.8	755.0	753.5	757.4	752.3	751.9	750.7	749.5
5°	757.4	760.6	768.9	768.9	757.8	739.6	728.5	713.4	700.7	693.1	691.9
7.5°	777.7	784.0	789.6	772.5	734.4	689.2	641.1	603.4	570.5	553.4	551.8
10°	806.3	812.2	807.8	759.0	677.2	583.6	505.4	426.7	387.4	366.0	366.0
12.5°	840.4	845.2	818.6	725.3	583.2	447.4	343.0	260.4	221.1	195.7	194.1
15°	877.3	878.5	817.0	666.5	466.8	300.5	196.9	144.5	127.8	124.3	123.5
17.5°	909.5	904.7	800.3	579.6	336.2	179.0	125.0	113.1	110.0	110.0	110.0
20°	939.6	923.8	767.0	478.4	215.6	121.9	107.6	104.4	104.4	104.8	104.8
22.5°	973.0	941.6	719.3	366.0	138.5	104.4	100.8	99.2	98.8	100.0	99.6
25°	1012.3	959.1	651.0	252.9	107.2	97.3	95.7	94.1	94.1	94.1	94.1
27.5°	1034.1	956.7	573.2	159.6	93.7	90.1	88.5	86.9	85.7	85.3	85.7
30°	1053.2	942.8	471.6	111.6	84.6	80.6	79.4	77.4	75.0	74.2	74.2
32.5°	1078.2	931.3	365.2	89.7	76.6	72.2	68.7	65.5	61.5	59.9	59.5
35°	1106.0	910.3	267.6	79.0	69.5	63.9	58.4	53.2	48.0	46.4	46.0
37.5°	1140.5	891.2	181.4	73.0	63.5	56.8	49.2	42.1	37.3	36.5	36.5
40°	1187.4	875.3	125.4	67.9	58.0	50.0	40.9	33.3	30.2	29.4	29.4
42.5°	1251.3	862.2	94.9	63.5	53.2	43.3	32.9	27.4	25.0	24.2	24.2
45°	1326.7	842.0	80.2	59.5	48.4	36.5	27.4	23.0	21.8	21.8	21.8
47.5°	1413.2	816.6	73.0	55.6	43.3	29.8	23.0	21.0	20.6	20.6	21.0
50°	1500.6	786.4	67.9	50.8	37.3	25.4	21.0	19.8	19.8	20.2	20.2
52.5°	1559.7	739.2	62.7	45.7	31.4	22.2	19.8	19.5	19.1	19.1	19.1
55°	1617.3	697.9	55.6	40.1	26.2	20.6	19.1	18.7	18.7	18.3	18.3
57.5°	1677.2	665.3	46.4	33.3	22.2	19.5	18.3	18.3	17.5	17.1	17.1
60°	1746.7	636.8	35.7	26.2	19.5	18.3	17.1	16.7	15.9	15.1	15.1
62.5°	1766.9	576.4	27.0	21.0	16.7	15.9	15.5	14.7	12.7	11.1	11.5
65°	1714.1	481.5	21.4	16.7	13.5	13.5	12.3	10.3	8.3	7.1	7.1
67.5°	1568.5	359.7	17.5	13.1	10.7	10.3	8.7	7.5	5.2	4.4	4.4
70°	1292.6	237.8	14.3	10.3	8.7	7.1	6.0	5.6	4.0	3.2	3.2
72.5°	905.9	129.0	11.9	8.3	6.4	4.8	4.0	3.6	2.8	2.4	2.0
75°	478.4	49.6	9.5	6.4	4.0	3.2	2.4	2.4	2.0	1.6	1.6
77.5°	164.0	21.0	6.7	3.6	2.8	2.0	1.6	1.2	1.6	1.2	1.2
80°	38.9	12.3	4.4	2.4	1.6	1.2	1.2	0.8	0.8	0.8	0.8
82.5°	17.1	7.1	2.8	1.6	1.6	1.2	0.8	0.4	0.4	0.4	0.4
85°	11.5	4.4	2.0	1.6	1.2	0.8	0.4	0.4	0.0	0.0	0.0
87.5°	9.1	2.8	1.6	1.6	1.2	0.8	0.4	0.0	0.0	0.0	0.0
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)