

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: P672322

Luminaire Tested: **CCP-SA-1C-840-U-T3R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672322  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1C-840-U-T3R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T3R distribution lens  
Light Source: (16) 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

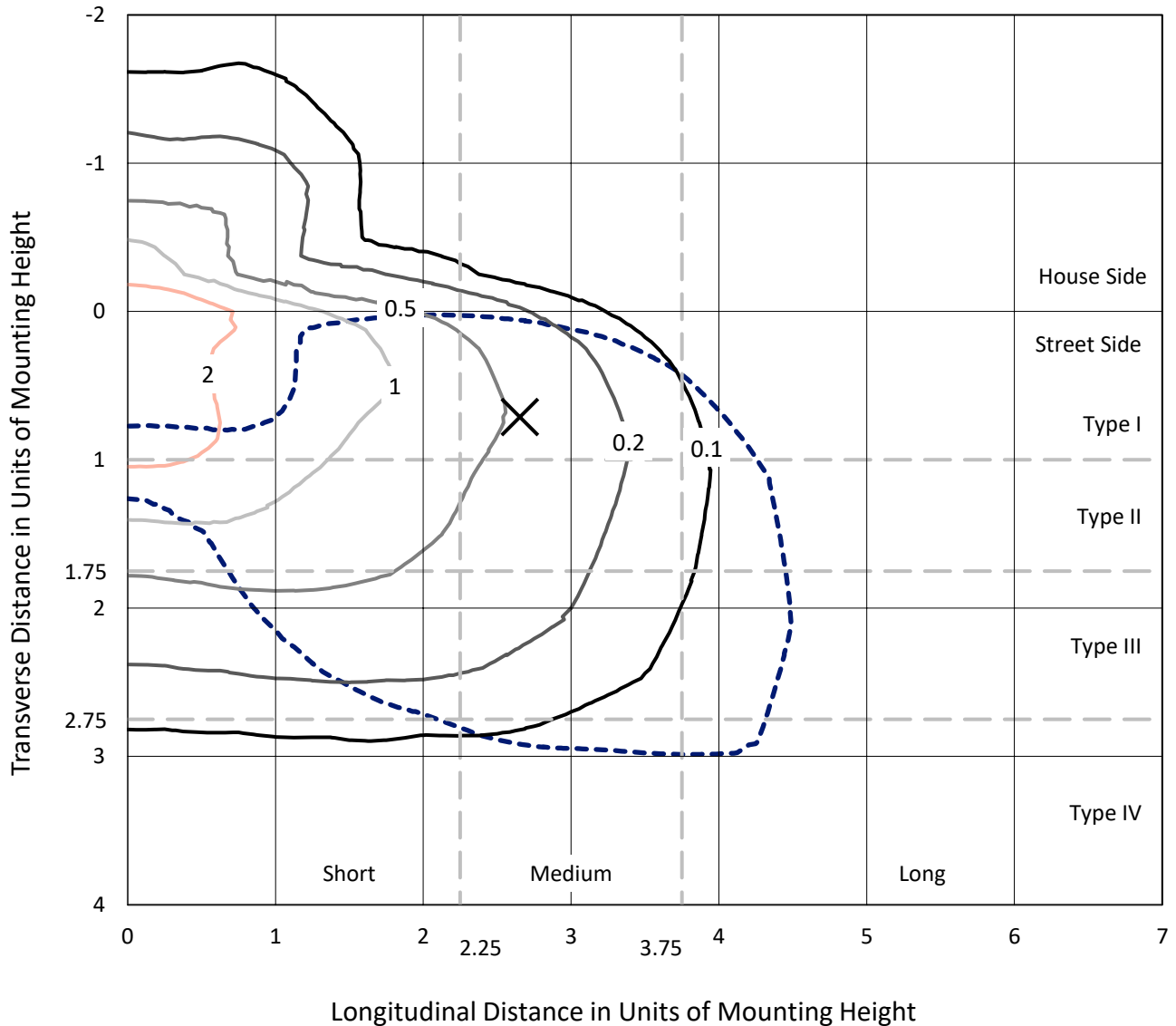
Lumens per Lamp: N/A  
Luminaire Lumens: 3917.9 lumens  
Efficiency: N/A  
Efficacy: 122.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G1

Input Watts (W): 32  
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

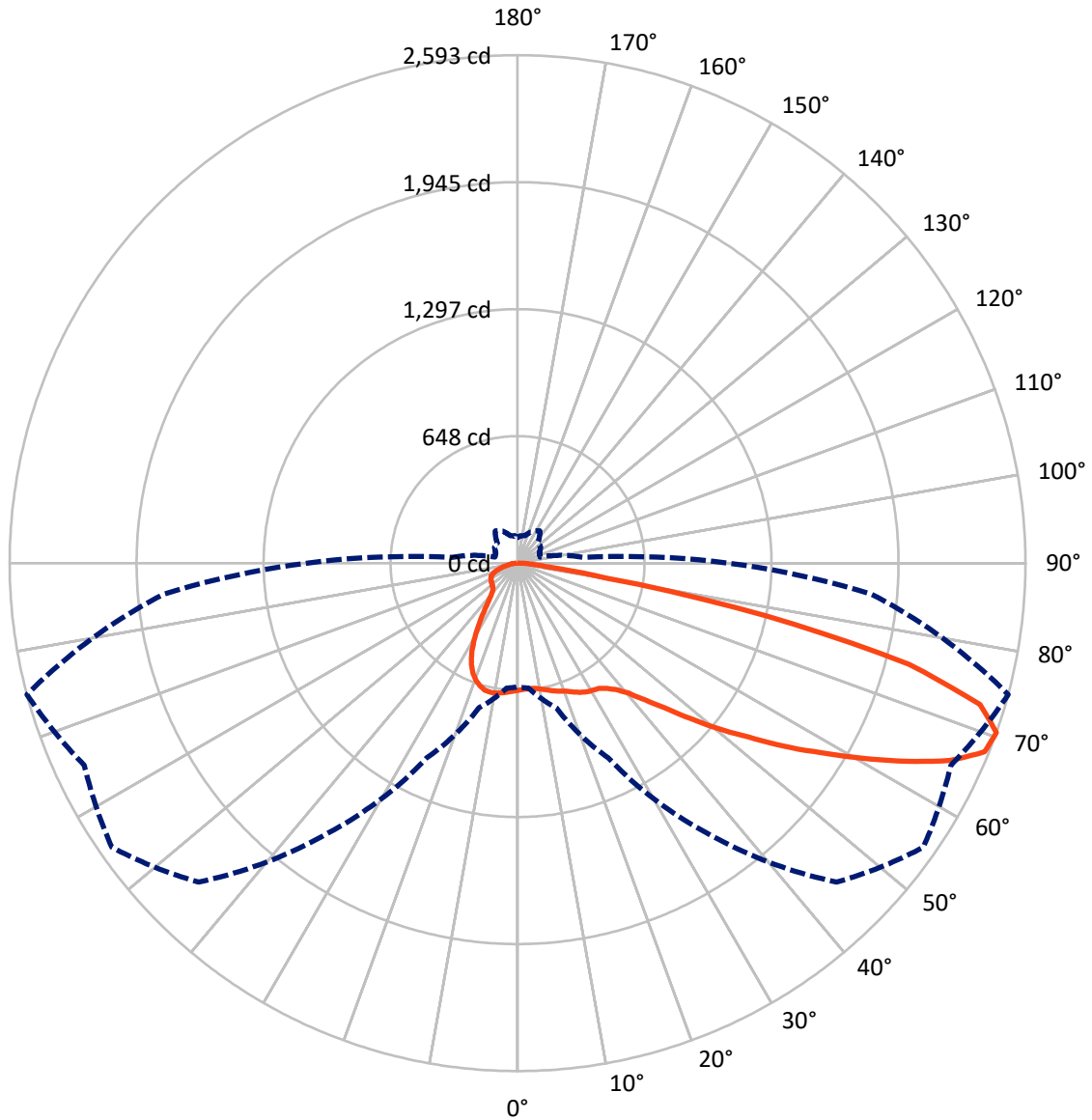
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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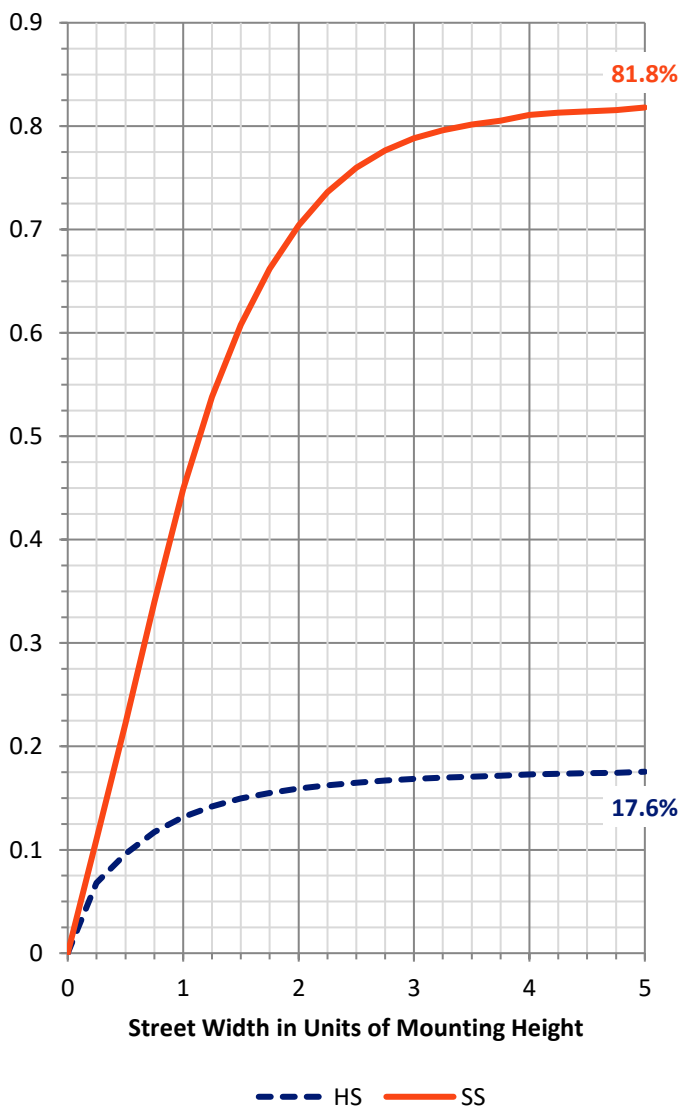
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	697.0	0.0	697.0
	% Fixture	17.8	0.0	17.8
<b>Street Side</b>	Lumens	3220.9	0.0	3220.9
	% Fixture	82.2	0.0	82.2
<b>Total</b>	Lumens	3917.9	0.0	3917.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.3	1.5
10°-20°	155.6	4.0
20°-30°	262.1	6.7
30°-40°	398.1	10.2
40°-50°	570.4	14.6
50°-60°	756.2	19.3
60°-70°	946.4	24.2
70°-80°	691.1	17.6
80°-90°	79.7	2.0
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°	3917.9	100.0
0°-180°	3917.9	100.0



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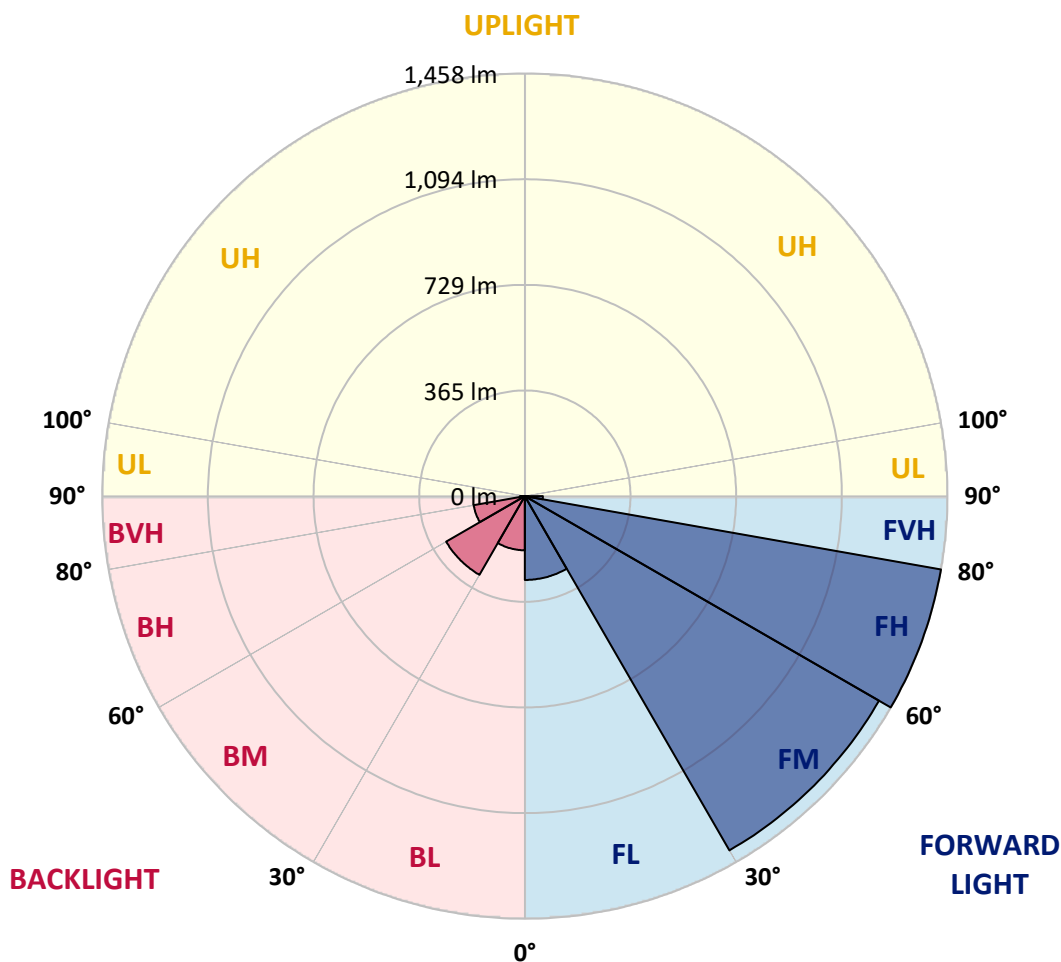
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	289.2	7.4			
FM (30°-60°)	1411.4	36.0			
FH (60°-80°)	1458.2	37.2			G1/1800
FVH (80°-90°)	62.2	1.6			G1/100
BL (0°-30°)	186.8	4.8	B1/500		
BM (30°-60°)	313.4	8.0	B1/1000		
BH (60°-80°)	179.3	4.6	B1/500		G1/500
BVH (80°-90°)	17.5	0.4			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°	55°	65°	74°	75°	85°
0°	649.0	649.0	649.0	649.0	649.0	649.0	649.0	649.0	649.0	649.0	649.0
2.5°	613.5	616.9	620.0	623.1	625.6	632.4	633.8	641.1	643.1	644.8	647.0
5°	579.1	581.6	584.7	589.8	595.1	607.3	615.7	631.8	640.8	643.6	651.5
7.5°	560.5	561.3	565.5	569.8	576.0	587.8	599.4	624.5	642.5	645.6	662.5
10°	546.9	548.1	552.0	557.9	564.1	575.1	589.5	619.4	648.7	653.5	677.5
12.5°	542.1	541.6	546.1	550.0	558.8	572.6	587.5	619.7	657.2	663.9	699.2
15°	561.3	557.6	560.5	559.1	561.9	575.4	593.2	625.9	667.6	676.1	721.7
17.5°	603.6	600.5	598.5	586.4	578.5	586.1	603.0	634.6	678.6	687.6	742.0
20°	666.8	658.0	650.7	630.4	608.4	605.9	617.7	643.4	689.0	697.8	763.5
22.5°	738.6	731.6	719.8	684.2	650.1	633.2	636.3	659.4	704.2	713.8	788.0
25°	829.4	829.1	804.9	757.0	705.4	671.3	664.8	685.1	721.4	730.7	808.3
27.5°	932.9	925.8	897.1	835.3	770.5	718.3	703.1	711.3	735.3	744.8	824.6
30°	1021.4	1022.3	992.9	925.6	839.9	764.3	735.5	730.2	744.3	753.9	839.9
32.5°	1116.1	1111.3	1084.6	1015.2	914.8	813.6	756.4	743.7	753.6	762.6	861.0
35°	1205.2	1199.9	1176.8	1102.0	997.4	868.0	784.6	764.9	775.6	785.4	886.9
37.5°	1290.1	1290.9	1264.7	1193.4	1077.5	932.3	826.3	796.7	808.3	819.3	926.4
40°	1364.2	1360.0	1339.7	1275.4	1160.7	997.7	873.4	840.1	862.7	872.8	976.3
42.5°	1387.9	1387.6	1395.5	1356.1	1248.1	1075.5	932.0	907.8	939.7	954.9	1037.5
45°	1367.3	1373.5	1419.2	1418.1	1335.5	1164.9	1012.1	990.1	1036.1	1053.3	1112.2
47.5°	1347.0	1356.3	1418.4	1453.6	1413.8	1263.3	1110.5	1094.1	1160.1	1184.9	1189.7
50°	1317.4	1326.2	1400.0	1458.7	1461.8	1362.8	1237.9	1217.3	1302.2	1327.6	1274.0
52.5°	1284.4	1291.2	1367.6	1455.0	1484.6	1440.6	1362.8	1356.9	1454.4	1475.0	1359.7
55°	1102.3	1131.1	1320.0	1447.1	1500.4	1500.1	1484.3	1503.8	1620.5	1651.2	1455.3
57.5°	997.7	1013.0	1185.8	1442.6	1530.0	1555.1	1609.8	1651.5	1797.8	1825.5	1560.7
60°	963.6	977.1	1118.4	1437.2	1588.9	1641.1	1732.4	1800.1	1988.4	2022.2	1678.6
62.5°	932.6	949.0	1091.0	1394.7	1660.3	1777.3	1878.7	1960.8	2189.4	2229.5	1795.9
65°	869.5	881.0	1040.9	1358.9	1727.9	1971.5	2089.9	2137.8	2384.2	2429.3	1873.7
67.5°	760.3	771.3	927.8	1276.6	1771.9	2173.6	2320.8	2321.1	2534.8	2571.7	1890.0
70°	632.1	640.5	764.9	1097.2	1680.3	2303.3	2529.1	2440.9	2577.4	2593.4	1812.2
72.5°	451.9	459.3	560.2	811.1	1377.8	2198.2	2576.5	2435.8	2474.2	2469.1	1590.9
75°	278.5	292.6	343.1	495.1	856.2	1729.6	2318.8	2207.2	2077.5	2063.4	1197.9
77.5°	181.6	188.9	232.0	292.1	377.8	992.9	1761.2	1654.9	1311.8	1295.4	643.9
80°	109.1	121.2	152.0	183.5	171.1	379.8	1005.6	822.1	463.5	458.4	197.9
82.5°	58.6	69.6	107.1	113.6	96.1	134.2	364.2	267.3	148.3	146.6	74.1
85°	46.5	51.9	77.0	71.9	54.4	67.9	142.1	111.4	76.1	74.4	27.9
87.5°	28.2	35.5	58.4	48.5	27.1	24.5	65.1	52.7	35.8	33.3	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	649.0	649.0	649.0	649.0	649.0	649.0	649.0	649.0	649.0	649.0	649.0
2.5°	651.2	652.7	654.1	651.2	652.4	651.0	651.0	651.0	647.3	646.2	649.6
5°	657.4	659.4	660.5	651.8	646.5	638.6	632.1	622.2	616.6	612.9	612.9
7.5°	670.1	672.4	667.3	647.9	629.0	607.8	586.1	568.1	555.1	549.5	551.2
10°	688.7	689.6	672.7	636.9	596.6	557.4	526.6	502.7	486.6	478.4	477.3
12.5°	710.4	706.8	673.8	612.6	552.9	500.1	462.6	431.6	411.0	403.2	399.2
15°	731.9	723.1	669.6	583.6	503.2	439.8	391.9	362.6	349.9	346.2	344.8
17.5°	751.0	734.7	655.5	541.9	445.7	369.3	334.1	323.6	325.1	328.4	329.9
20°	768.5	743.4	635.2	492.2	373.8	314.3	305.6	315.2	323.1	328.2	329.0
22.5°	787.7	751.9	607.0	431.9	314.9	289.0	299.4	310.4	318.3	323.4	324.2
25°	802.4	751.6	567.2	360.3	277.7	282.2	294.6	304.5	310.4	314.1	313.8
27.5°	811.7	744.8	515.1	301.4	263.0	277.4	289.3	295.7	299.1	301.9	301.7
30°	814.5	731.9	449.4	258.0	256.3	272.9	281.9	285.9	288.4	291.2	291.2
32.5°	820.1	711.9	376.9	233.7	251.2	268.4	273.7	276.8	274.9	267.8	266.4
35°	826.3	689.6	308.4	222.4	246.4	265.3	270.4	262.2	240.8	237.9	236.8
37.5°	838.4	669.0	250.3	214.5	245.3	267.0	271.2	238.5	220.5	211.7	210.3
40°	859.0	648.4	211.4	208.9	246.7	274.3	259.9	227.2	197.3	180.7	177.9
42.5°	886.1	623.3	189.5	206.1	250.6	286.2	256.0	211.2	178.5	167.2	165.5
45°	917.4	590.1	179.0	205.5	255.4	292.1	257.1	198.2	170.0	161.3	160.7
47.5°	949.8	557.4	174.5	205.0	261.3	289.5	241.6	194.2	166.6	164.1	165.8
50°	984.8	520.2	170.8	203.5	266.1	289.5	233.2	193.4	167.7	173.4	179.0
52.5°	1017.5	488.9	166.6	199.3	268.1	284.5	230.6	196.5	169.4	168.0	169.7
55°	1057.2	472.8	164.4	193.4	264.4	269.0	227.5	205.0	170.8	159.3	159.3
57.5°	1102.6	469.4	161.0	185.5	252.6	247.5	227.2	210.0	167.2	156.5	154.5
60°	1157.3	476.7	156.7	175.6	238.2	230.9	225.3	210.0	161.3	151.7	152.5
62.5°	1201.6	475.9	154.2	166.9	219.1	213.7	221.6	207.2	159.0	151.1	150.8
65°	1212.0	457.8	146.9	155.6	195.4	192.8	217.6	200.2	155.9	148.0	145.8
67.5°	1176.8	417.0	135.9	140.7	170.3	170.6	210.6	190.9	151.7	146.3	142.7
70°	1076.7	337.2	119.5	122.6	143.2	146.9	200.2	179.9	144.6	139.0	130.2
72.5°	901.0	242.5	100.6	101.5	113.9	123.5	182.1	164.9	134.2	120.9	111.6
75°	667.0	161.0	82.0	80.9	85.4	100.4	155.6	148.3	120.7	100.4	95.6
77.5°	352.7	95.3	63.2	63.4	60.6	77.0	123.5	128.8	107.1	84.6	79.8
80°	120.7	57.2	45.4	47.4	42.9	55.0	91.6	107.1	91.6	70.5	62.3
82.5°	55.3	35.0	32.4	33.8	30.7	37.2	62.9	81.2	73.0	51.3	41.4
85°	27.9	20.9	20.9	22.8	20.3	19.2	34.7	53.8	53.6	35.2	30.4
87.5°	11.6	10.1	9.6	11.0	9.6	7.3	9.9	19.5	28.2	21.1	13.5
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)