

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: P674763

Luminaire Tested: **CCP-SA-2A-835-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674763
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-835-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ T3R distribution lens and House Side Shield
Light Source: (32) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

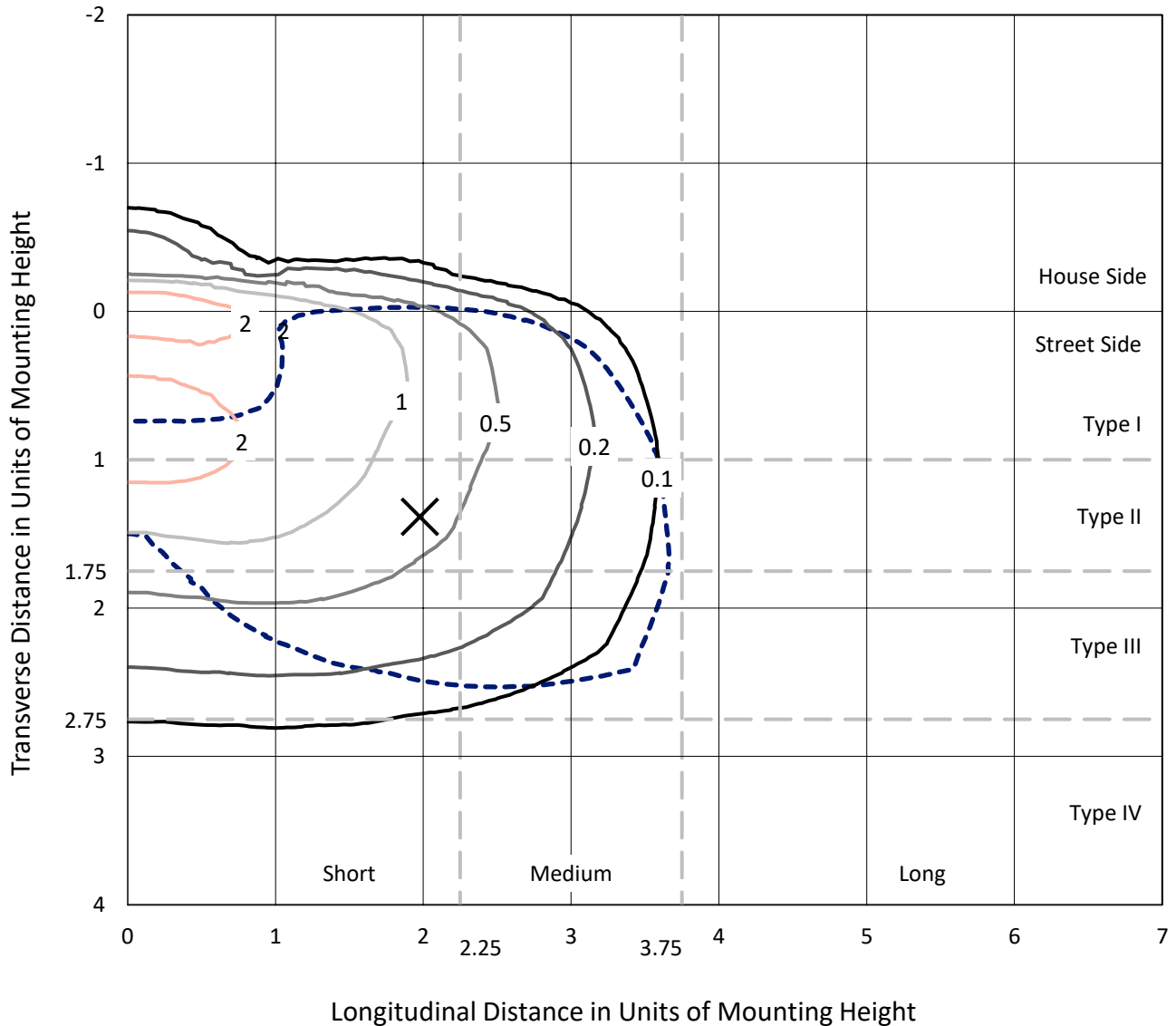
Lumens per Lamp: N/A
Luminaire Lumens: 3575.7 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

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

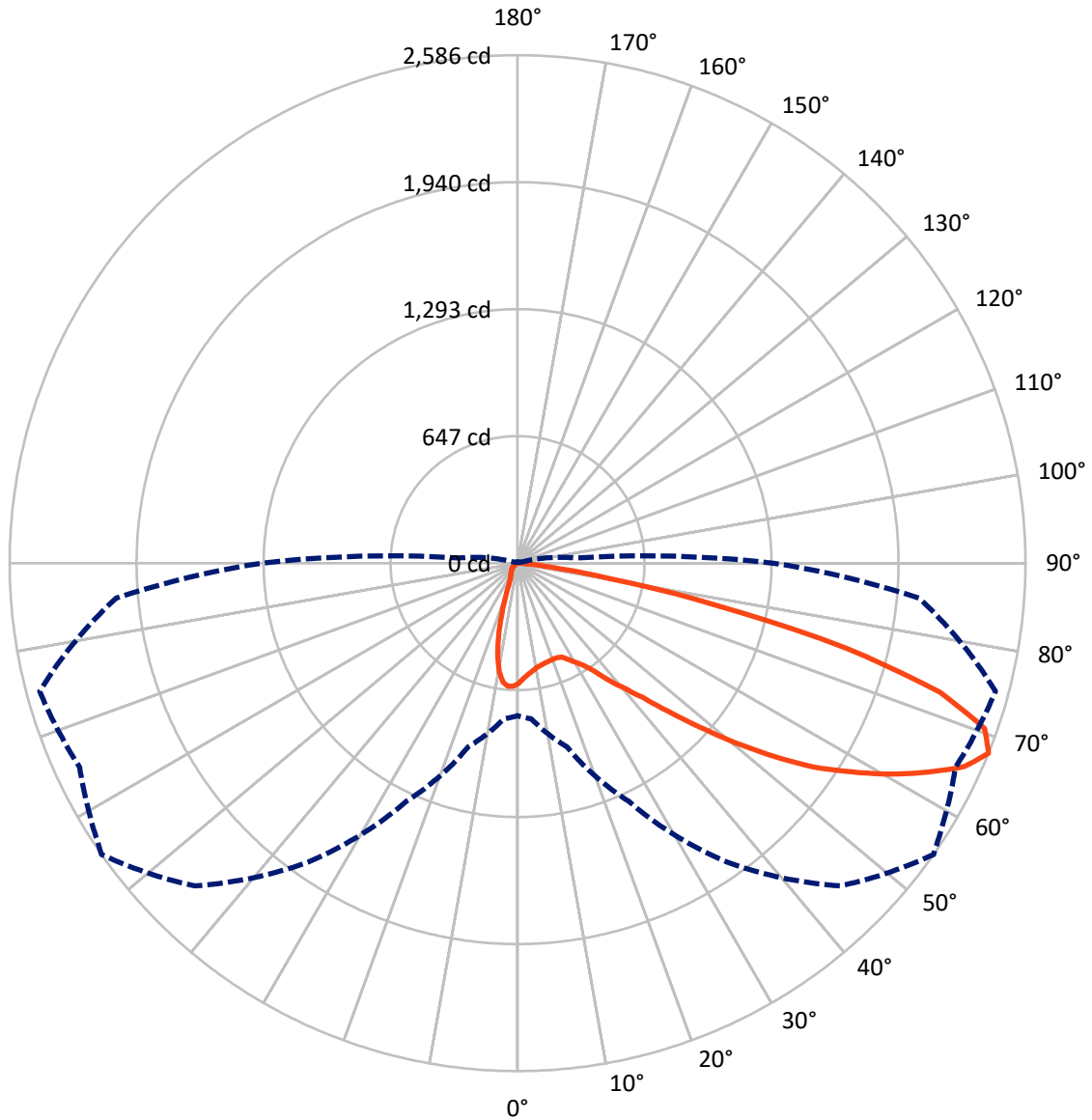
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3 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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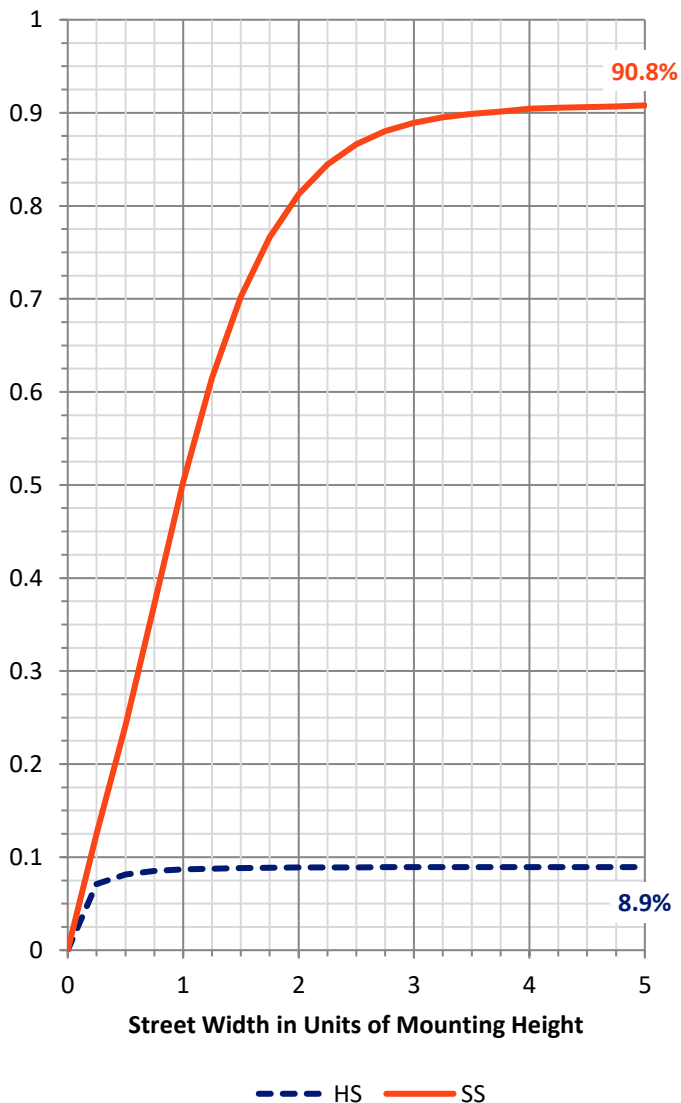
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	321.2	0.0	321.2
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	3254.5	0.0	3254.5
	% Fixture	91.0	0.0	91.0
Total	Lumens	3575.7	0.0	3575.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.8	1.5
10°-20°	122.4	3.4
20°-30°	196.5	5.5
30°-40°	340.7	9.5
40°-50°	568.1	15.9
50°-60°	830.8	23.2
60°-70°	968.7	27.1
70°-80°	470.1	13.1
80°-90°	24.6	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°	3575.7	100.0
0°-180°	3575.7	100.0



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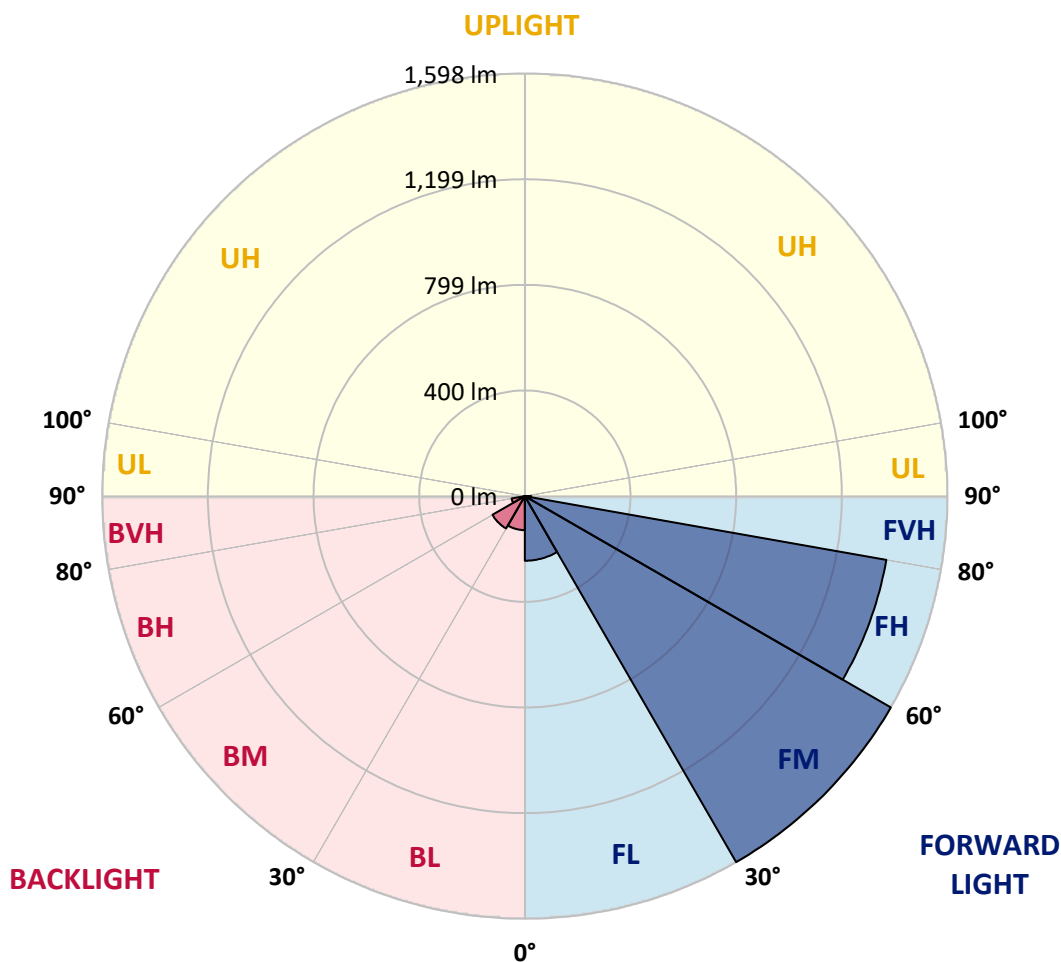
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	244.3	6.8			
FM (30°-60°)	1598.2	44.7			
FH (60°-80°)	1388.2	38.8			G1/1800
FVH (80°-90°)	23.9	0.7			G1/100
BL (0°-30°)	128.4	3.6	B1/500		
BM (30°-60°)	141.4	4.0	B0/220		
BH (60°-80°)	50.7	1.4	B0/110		G0/110
BVH (80°-90°)	0.7	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°	612.8	612.8	612.8	612.8	612.8	612.8	612.8	612.8	612.8	612.8	612.8
2.5°	565.7	569.3	573.9	575.6	581.2	589.1	586.8	585.1	594.0	606.2	610.1
5°	530.4	530.7	538.0	543.3	552.8	560.4	568.6	568.0	584.1	604.9	618.1
7.5°	495.8	496.5	504.1	512.3	526.1	541.0	553.5	552.8	578.8	606.5	631.6
10°	450.4	453.7	462.9	477.4	499.1	522.5	540.0	541.6	572.9	612.8	650.0
12.5°	413.8	415.4	425.7	444.4	470.1	500.8	533.4	532.4	574.2	624.3	674.1
15°	398.3	397.3	403.6	417.4	446.7	485.3	526.8	529.1	578.8	637.5	699.1
17.5°	401.9	400.9	404.2	409.2	429.9	472.4	523.2	527.1	586.1	651.3	722.5
20°	442.1	435.2	429.3	424.0	427.0	461.9	520.9	525.1	590.4	661.9	747.2
22.5°	519.5	511.0	495.2	465.8	446.4	462.6	521.5	527.1	599.9	679.0	777.2
25°	645.7	637.5	603.6	543.6	492.2	486.3	530.4	536.3	622.0	705.0	809.1
27.5°	812.8	794.3	753.1	667.1	568.0	524.2	557.1	563.7	653.3	725.1	830.9
30°	951.5	947.2	907.6	802.2	672.4	579.8	587.1	590.7	667.5	737.3	852.6
32.5°	1095.4	1086.5	1050.3	947.8	793.7	659.2	620.7	622.3	685.9	755.4	884.3
35°	1220.6	1212.4	1182.1	1082.6	935.3	766.0	676.4	672.7	724.1	795.3	927.1
37.5°	1336.6	1335.6	1308.9	1207.4	1062.5	876.7	758.4	755.4	783.8	839.1	985.1
40°	1449.9	1447.3	1424.6	1332.0	1187.7	987.0	836.5	828.9	834.5	900.4	1061.5
42.5°	1519.4	1525.0	1532.9	1474.3	1336.3	1116.5	935.3	930.7	929.7	996.3	1162.0
45°	1557.0	1566.9	1613.3	1608.1	1493.7	1277.6	1076.0	1064.1	1060.2	1128.0	1277.0
47.5°	1593.6	1597.8	1673.9	1705.9	1644.6	1445.6	1246.0	1229.5	1213.4	1288.8	1414.3
50°	1595.9	1602.8	1697.0	1774.8	1771.1	1611.0	1436.7	1422.2	1403.8	1484.5	1548.4
52.5°	1563.6	1577.4	1694.0	1818.2	1849.5	1757.0	1634.7	1622.9	1607.7	1668.0	1661.4
55°	1340.5	1363.9	1636.1	1822.2	1904.6	1882.2	1833.7	1817.3	1802.4	1845.3	1772.1
57.5°	1234.5	1247.6	1460.1	1819.2	1974.7	1998.1	2006.4	1998.8	1978.0	2031.4	1887.8
60°	1170.9	1190.0	1376.1	1786.3	2050.5	2129.3	2181.0	2165.8	2140.5	2213.9	2011.6
62.5°	1094.8	1108.6	1292.4	1691.4	2095.6	2262.7	2344.7	2330.9	2278.5	2382.3	2111.8
65°	954.4	975.2	1159.3	1542.2	2035.0	2360.5	2498.9	2494.3	2403.4	2509.4	2139.1
67.5°	776.8	795.6	967.3	1337.6	1857.8	2324.0	2586.2	2571.7	2460.0	2519.0	2052.5
70°	583.1	593.3	722.8	1022.0	1522.1	2128.6	2522.9	2520.0	2374.0	2377.3	1786.6
72.5°	313.0	341.3	480.7	683.9	1070.4	1724.0	2248.5	2236.7	2118.0	1947.1	1284.9
75°	109.4	117.6	256.0	384.1	581.5	1148.5	1729.0	1701.3	1584.0	1266.4	700.1
77.5°	67.2	73.8	113.7	196.4	226.3	498.5	1038.8	1002.9	927.1	547.5	239.2
80°	46.5	52.4	76.1	102.8	77.1	161.4	478.0	464.5	357.5	130.5	55.0
82.5°	26.0	31.3	57.7	50.4	31.0	41.8	165.7	153.5	95.2	35.3	18.4
85°	15.2	18.1	40.5	35.6	15.8	14.8	43.2	38.5	24.7	13.2	8.9
87.5°	7.9	10.2	29.7	23.7	9.6	5.3	9.9	9.6	6.3	4.6	5.9
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°	612.8	612.8	612.8	612.8	612.8	612.8	612.8	612.8	612.8	612.8	612.8
2.5°	617.4	615.7	624.3	627.3	626.6	625.3	628.6	624.3	624.0	623.0	622.0
5°	628.6	631.2	638.1	638.1	628.9	613.8	604.5	592.0	581.5	575.2	574.2
7.5°	645.4	650.7	655.3	641.1	609.5	571.9	532.1	500.8	473.4	459.3	457.9
10°	669.1	674.1	670.4	629.9	562.0	484.3	419.4	354.2	321.5	303.8	303.8
12.5°	697.5	701.4	679.3	601.9	484.0	371.3	284.6	216.1	183.5	162.4	161.1
15°	728.1	729.1	678.0	553.2	387.4	249.4	163.4	119.9	106.1	103.1	102.5
17.5°	754.8	750.8	664.2	481.0	279.0	148.6	103.8	93.9	91.3	91.3	91.3
20°	779.8	766.6	636.5	397.0	178.9	101.1	89.3	86.6	86.6	87.0	87.0
22.5°	807.5	781.5	597.0	303.8	115.0	86.6	83.7	82.4	82.0	83.0	82.7
25°	840.1	796.0	540.3	209.9	89.0	80.7	79.4	78.1	78.1	78.1	78.1
27.5°	858.2	794.0	475.7	132.4	77.8	74.8	73.5	72.2	71.2	70.8	71.2
30°	874.0	782.4	391.4	92.6	70.2	66.9	65.9	64.2	62.3	61.6	61.6
32.5°	894.8	772.9	303.1	74.5	63.6	60.0	57.0	54.4	51.1	49.7	49.4
35°	917.9	755.4	222.1	65.6	57.7	53.0	48.4	44.1	39.9	38.5	38.2
37.5°	946.5	739.6	150.6	60.6	52.7	47.1	40.9	34.9	31.0	30.3	30.3
40°	985.4	726.4	104.1	56.3	48.1	41.5	33.9	27.7	25.0	24.4	24.4
42.5°	1038.4	715.6	78.7	52.7	44.1	35.9	27.3	22.7	20.8	20.1	20.1
45°	1101.0	698.8	66.5	49.4	40.2	30.3	22.7	19.1	18.1	18.1	18.1
47.5°	1172.9	677.7	60.6	46.1	35.9	24.7	19.1	17.5	17.1	17.1	17.5
50°	1245.3	652.6	56.3	42.2	31.0	21.1	17.5	16.5	16.5	16.8	16.8
52.5°	1294.4	613.4	52.1	37.9	26.0	18.4	16.5	16.1	15.8	15.8	15.8
55°	1342.2	579.2	46.1	33.3	21.7	17.1	15.8	15.5	15.5	15.2	15.2
57.5°	1391.9	552.2	38.5	27.7	18.4	16.1	15.2	15.2	14.5	14.2	14.2
60°	1449.6	528.4	29.7	21.7	16.1	15.2	14.2	13.8	13.2	12.5	12.5
62.5°	1466.4	478.4	22.4	17.5	13.8	13.2	12.8	12.2	10.5	9.2	9.6
65°	1422.6	399.6	17.8	13.8	11.2	11.2	10.2	8.6	6.9	5.9	5.9
67.5°	1301.7	298.5	14.5	10.9	8.9	8.6	7.2	6.3	4.3	3.6	3.6
70°	1072.7	197.3	11.9	8.6	7.2	5.9	4.9	4.6	3.3	2.6	2.6
72.5°	751.8	107.1	9.9	6.9	5.3	4.0	3.3	3.0	2.3	2.0	1.6
75°	397.0	41.2	7.9	5.3	3.3	2.6	2.0	2.0	1.6	1.3	1.3
77.5°	136.1	17.5	5.6	3.0	2.3	1.6	1.3	1.0	1.3	1.0	1.0
80°	32.3	10.2	3.6	2.0	1.3	1.0	1.0	0.7	0.7	0.7	0.7
82.5°	14.2	5.9	2.3	1.3	1.3	1.0	0.7	0.3	0.3	0.3	0.3
85°	9.6	3.6	1.6	1.3	1.0	0.7	0.3	0.3	0.0	0.0	0.0
87.5°	7.6	2.3	1.3	1.3	1.0	0.7	0.3	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)