

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: P674785

Luminaire Tested: **CCP-SA-2A-850-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674785
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-850-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ T3R distribution lens and House Side Shield
Light Source: (32) 5000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

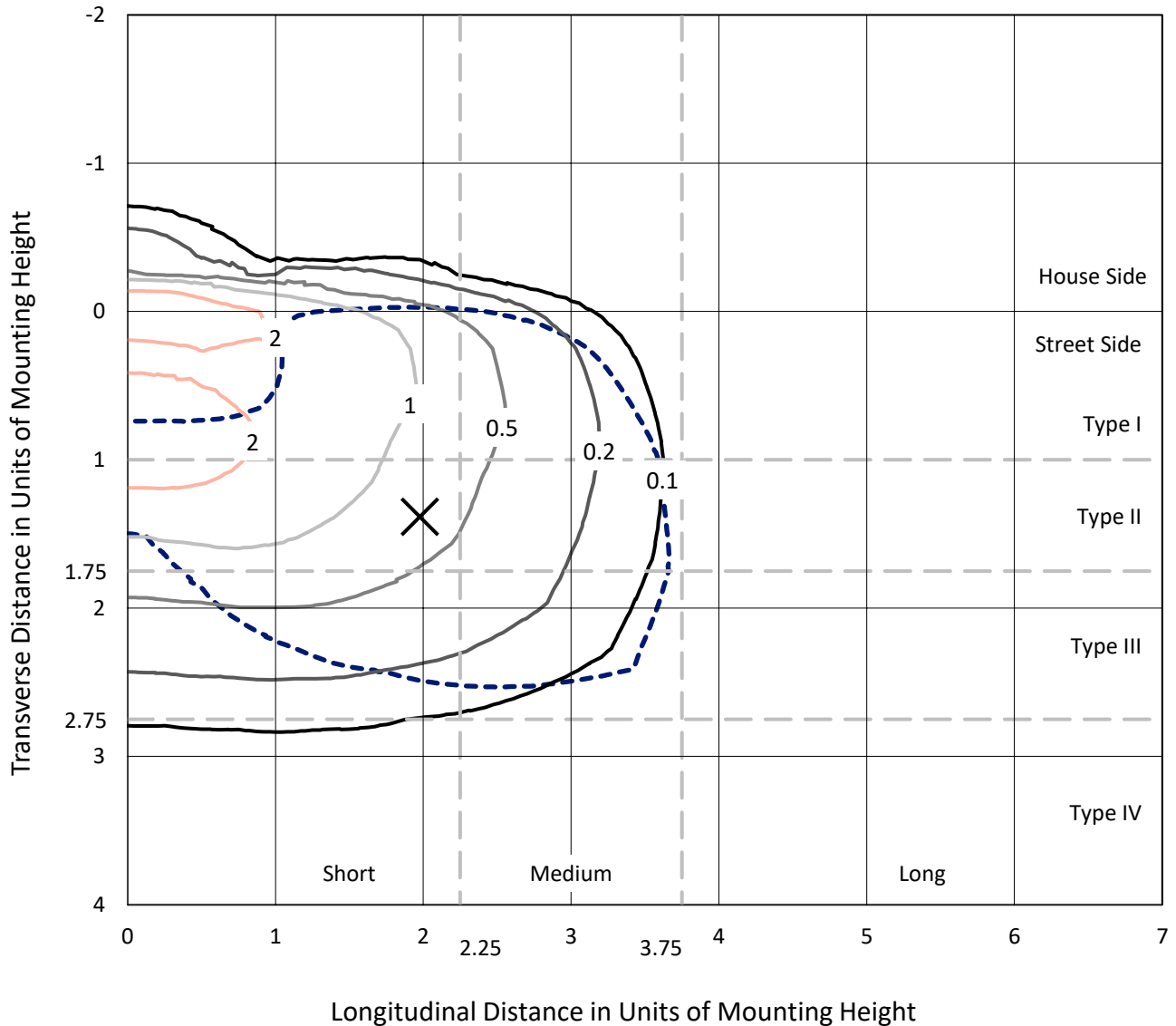
Lumens per Lamp: N/A
Luminaire Lumens: 3786.6 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

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

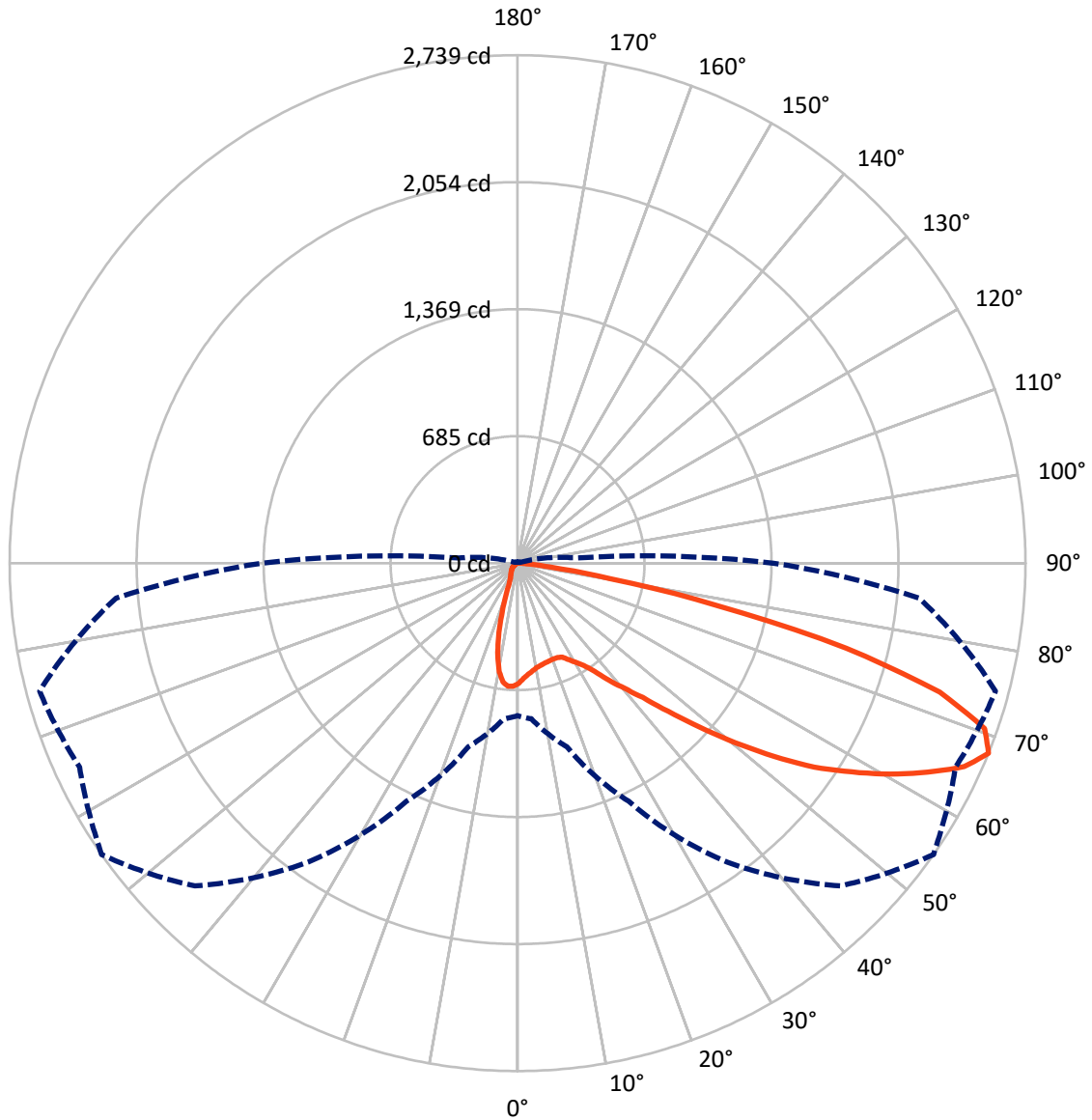
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.2 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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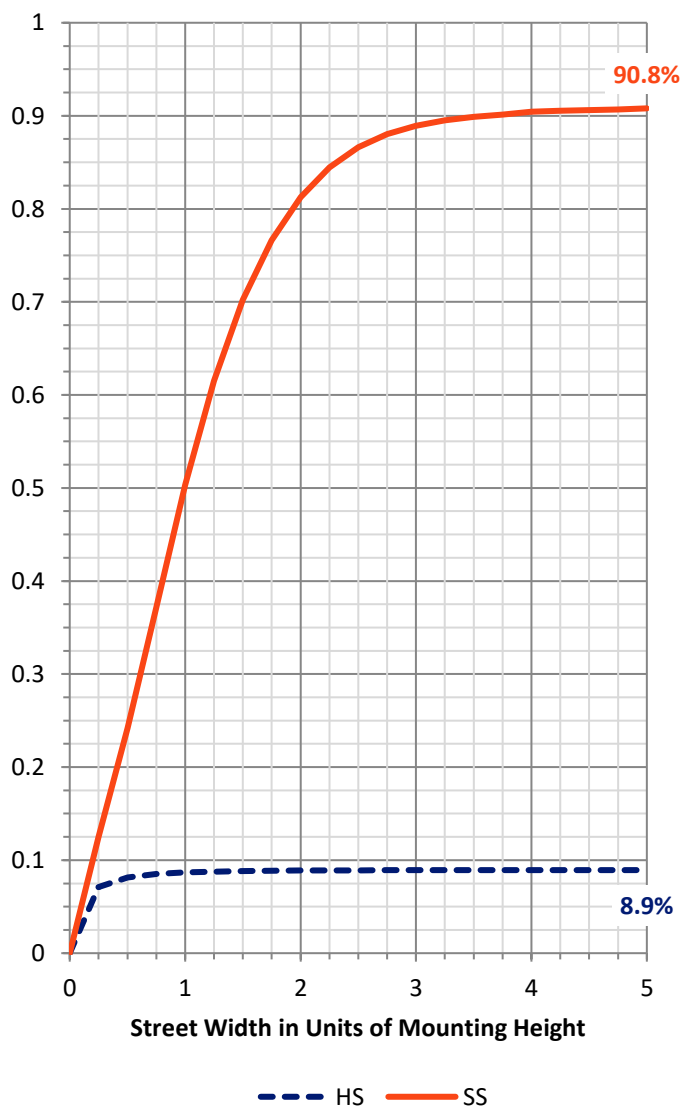
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	340.2	0.0	340.2
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	3446.5	0.0	3446.5
	% Fixture	91.0	0.0	91.0
Total	Lumens	3786.6	0.0	3786.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.0	1.5
10°-20°	129.7	3.4
20°-30°	208.0	5.5
30°-40°	360.8	9.5
40°-50°	601.6	15.9
50°-60°	879.8	23.2
60°-70°	1025.8	27.1
70°-80°	497.8	13.1
80°-90°	26.0	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°	3786.6	100.0
0°-180°	3786.6	100.0



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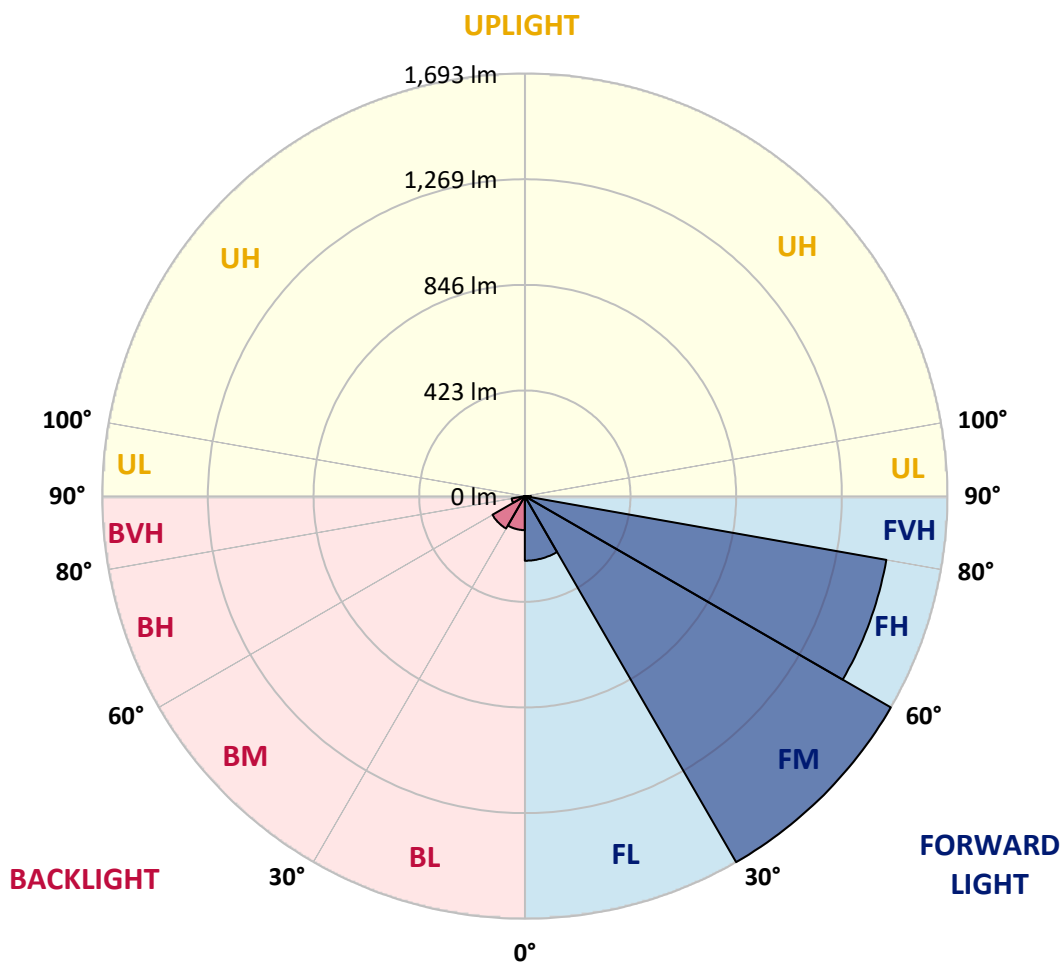
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	258.7	6.8			
FM (30°-60°)	1692.5	44.7			
FH (60°-80°)	1470.0	38.8			G1/1800
FVH (80°-90°)	25.3	0.7			G1/100
BL (0°-30°)	136.0	3.6	B1/500		
BM (30°-60°)	149.8	4.0	B0/220		
BH (60°-80°)	53.7	1.4	B0/110		G0/110
BVH (80°-90°)	0.8	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°	648.9	648.9	648.9	648.9	648.9	648.9	648.9	648.9	648.9	648.9	648.9
2.5°	599.0	602.9	607.8	609.5	615.4	623.8	621.4	619.6	629.0	641.9	646.1
5°	561.7	562.1	569.7	575.3	585.4	593.5	602.2	601.5	618.6	640.6	654.5
7.5°	525.1	525.8	533.8	542.5	557.2	572.9	586.1	585.4	613.0	642.3	668.8
10°	476.9	480.4	490.2	505.5	528.6	553.3	571.8	573.6	606.7	648.9	688.3
12.5°	438.2	439.9	450.8	470.6	497.9	530.3	564.8	563.8	608.1	661.1	713.8
15°	421.8	420.8	427.4	442.0	473.1	513.9	557.9	560.3	613.0	675.1	740.3
17.5°	425.6	424.6	428.1	433.3	455.3	500.3	554.0	558.2	620.7	689.7	765.1
20°	468.2	460.9	454.6	449.0	452.2	489.1	551.6	556.1	625.2	700.9	791.3
22.5°	550.2	541.1	524.4	493.3	472.7	489.8	552.3	558.2	635.3	719.0	823.0
25°	683.8	675.1	639.2	575.7	521.2	515.0	561.7	568.0	658.7	746.6	856.9
27.5°	860.7	841.2	797.5	706.5	601.5	555.1	590.0	596.9	691.8	767.9	879.9
30°	1007.6	1003.0	961.2	849.5	712.1	614.0	621.7	625.5	706.8	780.8	902.9
32.5°	1160.0	1150.6	1112.2	1003.7	840.5	698.1	657.3	659.0	726.4	800.0	936.4
35°	1292.6	1283.9	1251.8	1146.4	990.5	811.2	716.3	712.4	766.8	842.2	981.8
37.5°	1415.4	1414.4	1386.1	1278.7	1125.1	928.4	803.1	800.0	830.0	888.6	1043.2
40°	1535.4	1532.6	1508.6	1410.5	1257.7	1045.3	885.8	877.8	883.7	953.5	1124.1
42.5°	1609.1	1615.0	1623.4	1561.3	1415.1	1182.4	990.5	985.6	984.5	1055.0	1230.5
45°	1648.8	1659.3	1708.5	1702.9	1581.8	1353.0	1139.5	1126.9	1122.7	1194.6	1352.3
47.5°	1687.6	1692.1	1772.7	1806.5	1741.6	1530.9	1319.5	1302.0	1284.9	1364.8	1497.8
50°	1690.0	1697.3	1797.1	1879.4	1875.6	1706.0	1521.5	1506.1	1486.6	1572.1	1639.8
52.5°	1655.8	1670.5	1794.0	1925.5	1958.6	1860.6	1731.2	1718.6	1702.6	1766.4	1759.4
55°	1419.6	1444.4	1732.6	1929.7	2016.9	1993.2	1941.9	1924.4	1908.7	1954.1	1876.6
57.5°	1307.3	1321.2	1546.3	1926.5	2091.2	2116.0	2124.7	2116.7	2094.7	2151.2	1999.1
60°	1239.9	1260.2	1457.3	1891.6	2171.5	2254.8	2309.6	2293.6	2266.7	2344.5	2130.3
62.5°	1159.3	1174.0	1368.7	1791.2	2219.2	2396.1	2483.0	2468.4	2412.9	2522.8	2236.3
65°	1010.7	1032.7	1227.7	1633.1	2155.1	2499.8	2646.3	2641.4	2545.1	2657.4	2265.3
67.5°	822.7	842.6	1024.3	1416.5	1967.4	2461.0	2738.7	2723.4	2605.1	2667.6	2173.5
70°	617.5	628.3	765.5	1082.2	1611.8	2254.1	2671.8	2668.6	2514.1	2517.5	1892.0
72.5°	331.4	361.4	509.0	724.3	1133.5	1825.7	2381.1	2368.6	2243.0	2061.9	1360.6
75°	115.8	124.6	271.1	406.8	615.8	1216.2	1830.9	1801.6	1677.4	1341.1	741.4
77.5°	71.2	78.1	120.4	207.9	239.7	527.9	1100.0	1062.0	981.8	579.8	253.3
80°	49.2	55.5	80.6	108.9	81.6	171.0	506.2	491.9	378.5	138.2	58.3
82.5°	27.6	33.1	61.1	53.4	32.8	44.3	175.5	162.6	100.8	37.3	19.5
85°	16.0	19.2	42.9	37.7	16.7	15.7	45.7	40.8	26.2	14.0	9.4
87.5°	8.4	10.8	31.4	25.1	10.1	5.6	10.5	10.1	6.6	4.9	6.3
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°	648.9	648.9	648.9	648.9	648.9	648.9	648.9	648.9	648.9	648.9	648.9
2.5°	653.8	652.1	661.1	664.3	663.6	662.2	665.7	661.1	660.8	659.7	658.7
5°	665.7	668.5	675.8	675.8	666.0	650.0	640.2	626.9	615.8	609.2	608.1
7.5°	683.5	689.0	693.9	678.9	645.4	605.7	563.4	530.3	501.3	486.3	484.9
10°	708.6	713.8	710.0	667.1	595.2	512.9	444.1	375.0	340.5	321.7	321.7
12.5°	738.6	742.8	719.4	637.4	512.5	393.2	301.4	228.9	194.3	172.0	170.6
15°	771.0	772.1	718.0	585.8	410.3	264.1	173.0	127.0	112.3	109.2	108.5
17.5°	799.3	795.1	703.3	509.4	295.5	157.3	109.9	99.4	96.6	96.6	96.6
20°	825.8	811.9	674.0	420.4	189.4	107.1	94.5	91.8	91.8	92.1	92.1
22.5°	855.1	827.6	632.2	321.7	121.8	91.8	88.6	87.2	86.9	87.9	87.6
25°	889.7	842.9	572.2	222.2	94.2	85.5	84.1	82.7	82.7	82.7	82.7
27.5°	908.8	840.8	503.8	140.3	82.3	79.2	77.8	76.4	75.4	75.0	75.4
30°	925.6	828.6	414.5	98.0	74.3	70.8	69.8	68.0	65.9	65.2	65.2
32.5°	947.6	818.5	321.0	78.8	67.3	63.5	60.4	57.6	54.1	52.7	52.3
35°	972.0	800.0	235.1	69.4	61.1	56.2	51.3	46.8	42.2	40.8	40.5
37.5°	1002.3	783.2	159.4	64.2	55.8	49.9	43.3	37.0	32.8	32.1	32.1
40°	1043.5	769.3	110.2	59.7	50.9	44.0	35.9	29.3	26.5	25.8	25.8
42.5°	1099.7	757.8	83.4	55.8	46.8	38.0	29.0	24.1	22.0	21.3	21.3
45°	1166.0	740.0	70.5	52.3	42.6	32.1	24.1	20.2	19.2	19.2	19.2
47.5°	1242.0	717.7	64.2	48.8	38.0	26.2	20.2	18.5	18.1	18.1	18.5
50°	1318.8	691.1	59.7	44.7	32.8	22.3	18.5	17.4	17.4	17.8	17.8
52.5°	1370.8	649.6	55.1	40.1	27.6	19.5	17.4	17.1	16.7	16.7	16.7
55°	1421.4	613.3	48.8	35.2	23.0	18.1	16.7	16.4	16.4	16.0	16.0
57.5°	1474.0	584.7	40.8	29.3	19.5	17.1	16.0	16.0	15.4	15.0	15.0
60°	1535.1	559.6	31.4	23.0	17.1	16.0	15.0	14.7	14.0	13.3	13.3
62.5°	1552.9	506.6	23.7	18.5	14.7	14.0	13.6	12.9	11.2	9.8	10.1
65°	1506.5	423.2	18.8	14.7	11.9	11.9	10.8	9.1	7.3	6.3	6.3
67.5°	1378.4	316.1	15.4	11.5	9.4	9.1	7.7	6.6	4.5	3.8	3.8
70°	1136.0	209.0	12.6	9.1	7.7	6.3	5.2	4.9	3.5	2.8	2.8
72.5°	796.2	113.4	10.5	7.3	5.6	4.2	3.5	3.1	2.4	2.1	1.7
75°	420.4	43.6	8.4	5.6	3.5	2.8	2.1	2.1	1.7	1.4	1.4
77.5°	144.1	18.5	5.9	3.1	2.4	1.7	1.4	1.0	1.4	1.0	1.0
80°	34.2	10.8	3.8	2.1	1.4	1.0	1.0	0.7	0.7	0.7	0.7
82.5°	15.0	6.3	2.4	1.4	1.4	1.0	0.7	0.3	0.3	0.3	0.3
85°	10.1	3.8	1.7	1.4	1.0	0.7	0.3	0.3	0.0	0.0	0.0
87.5°	8.0	2.4	1.4	1.4	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)