

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: P676402

Luminaire Tested: **CCW-SA-2A-730-U-T3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676402
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2A-730-U-T3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @350mA w/
T3 distribution lens and House Side Shield
Light Source: (32) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3589.4 lumens
Efficiency: N/A
Efficacy: 99.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

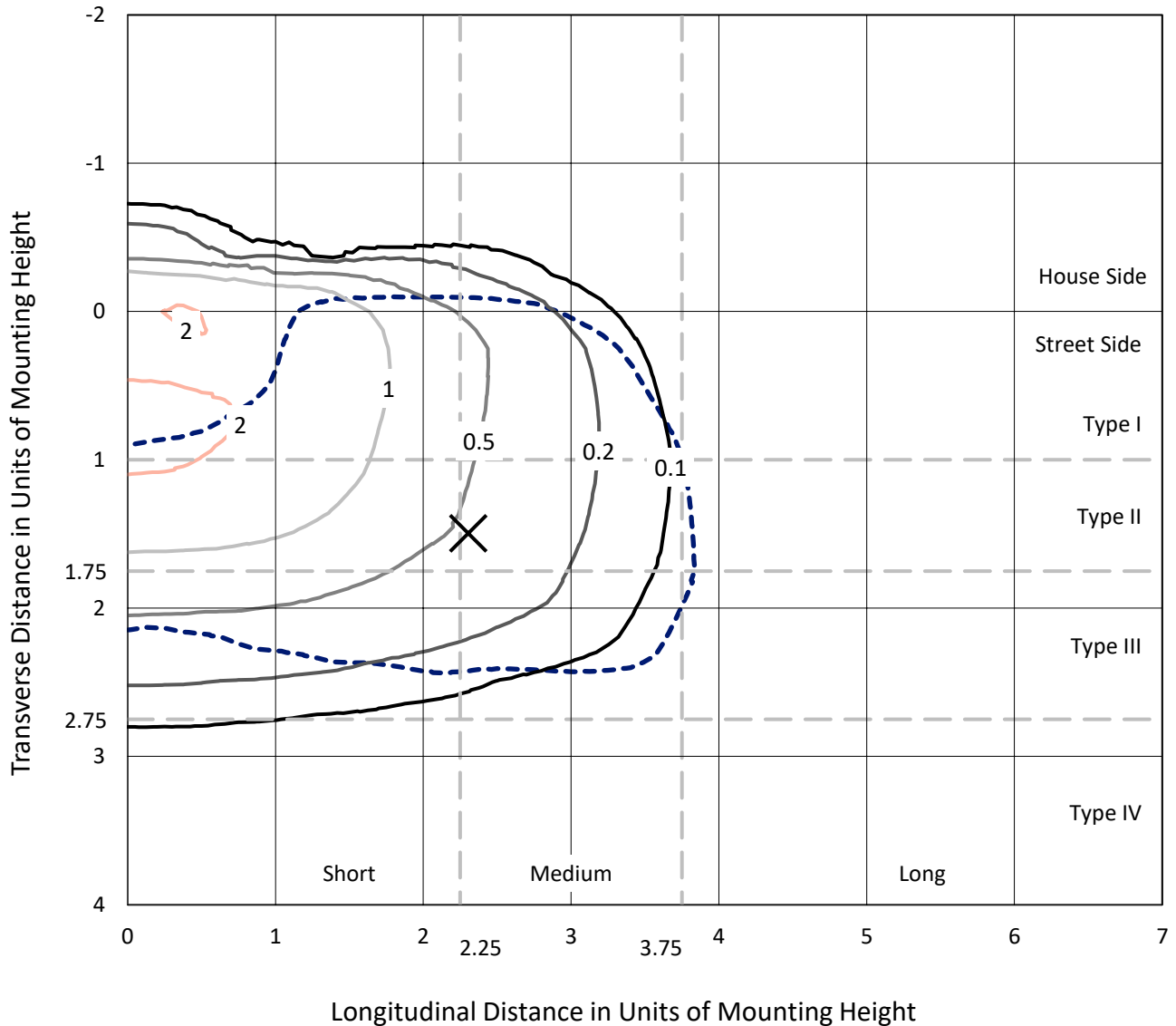
Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

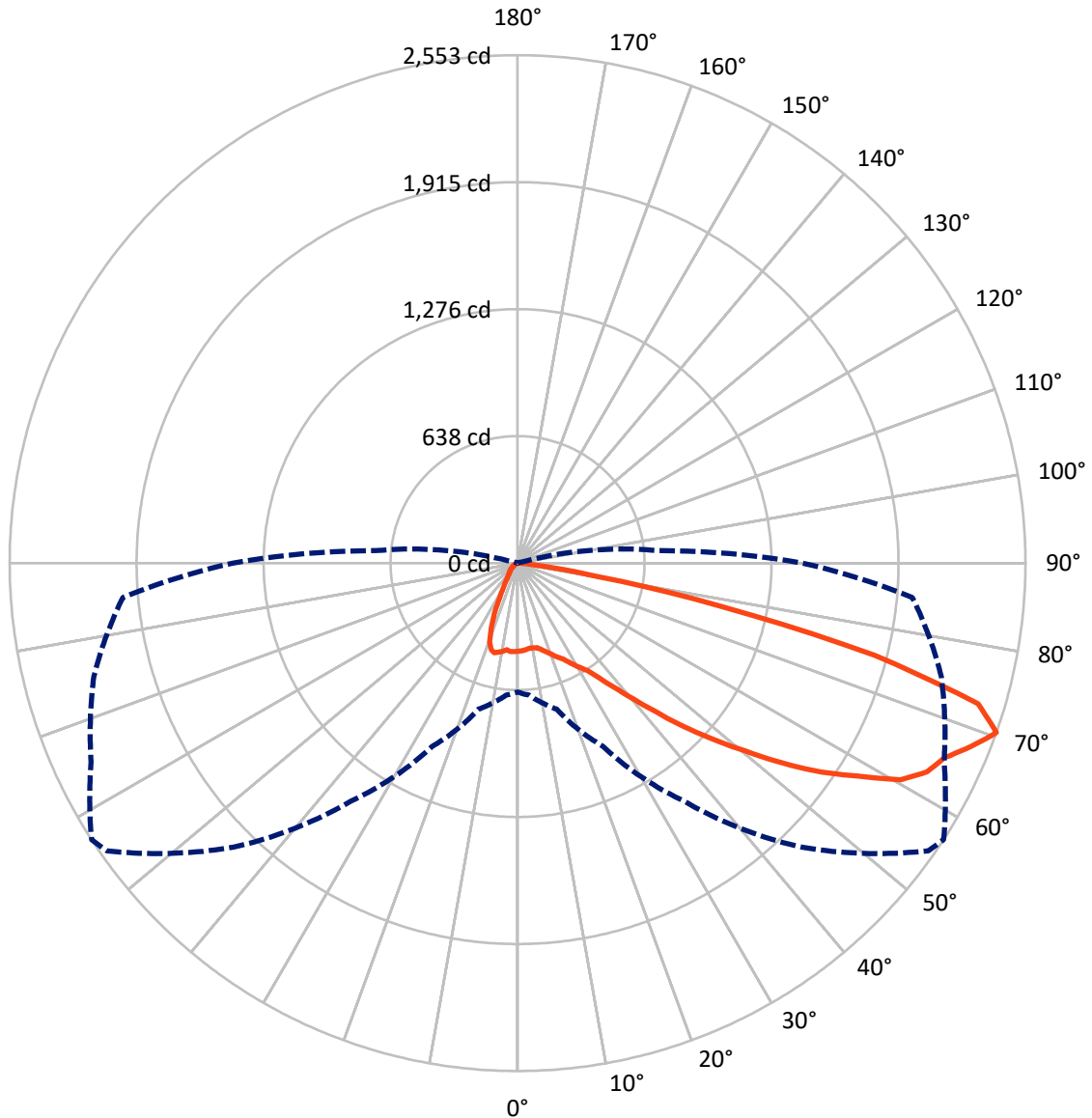
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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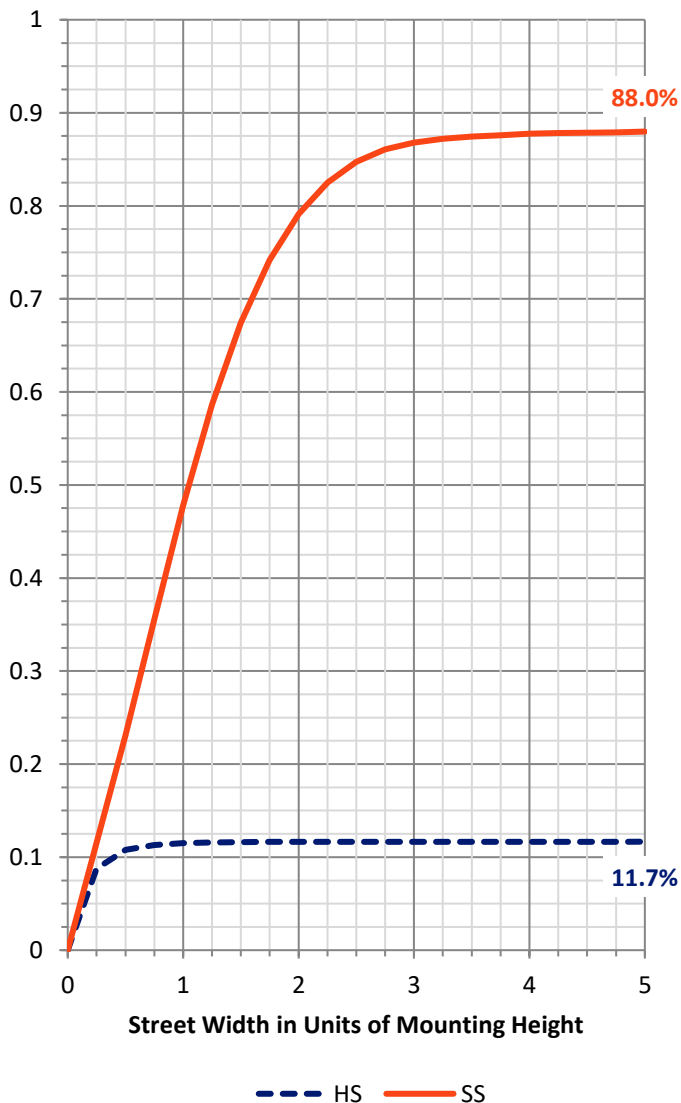
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	423.1	0.0	423.1
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	3166.3	0.0	3166.3
	% Fixture	88.2	0.0	88.2
Total	Lumens	3589.4	0.0	3589.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.4	1.2
10°-20°	115.7	3.2
20°-30°	194.9	5.4
30°-40°	333.6	9.3
40°-50°	560.1	15.6
50°-60°	859.8	24.0
60°-70°	992.7	27.7
70°-80°	468.9	13.1
80°-90°	22.2	0.6
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°	3589.4	100.0
0°-180°	3589.4	100.0



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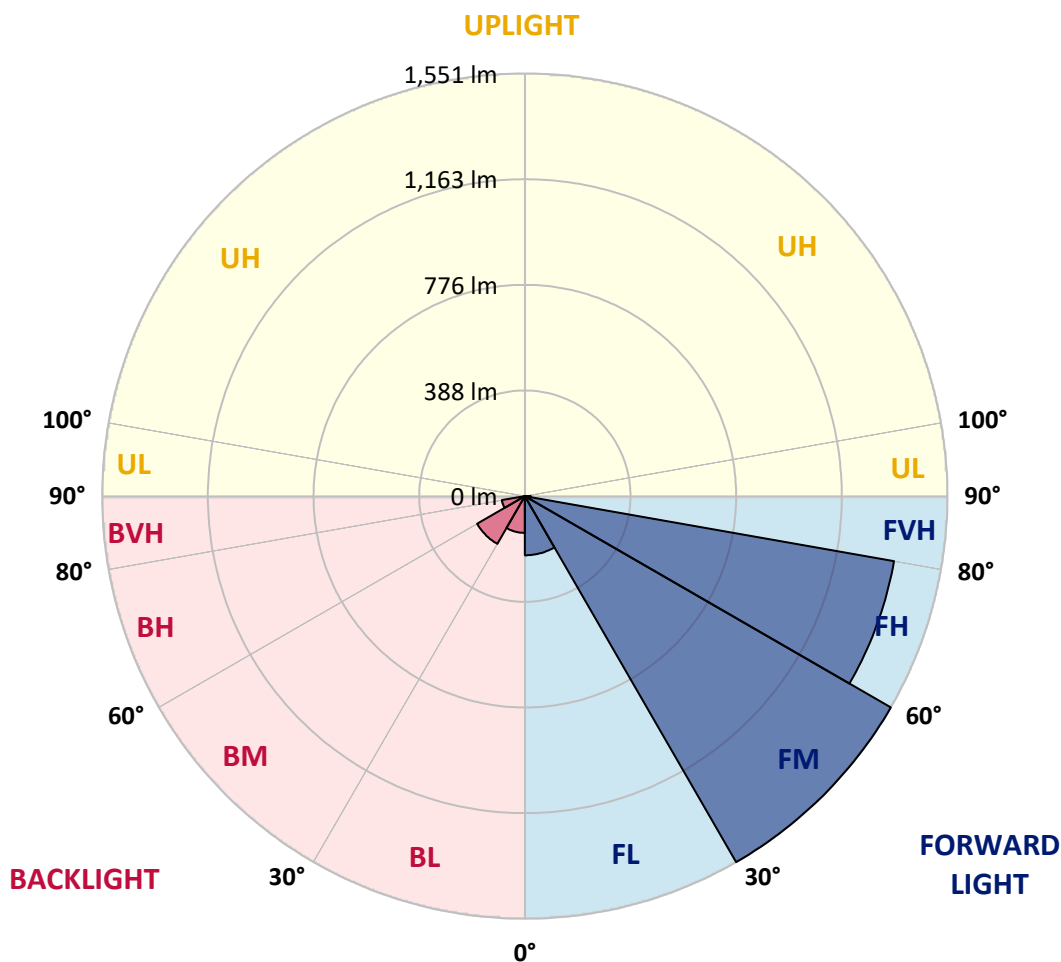
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	217.2	6.0			
FM (30°-60°)	1551.3	43.2			
FH (60°-80°)	1376.0	38.3			G1/1800
FVH (80°-90°)	21.9	0.6			G1/100
BL (0°-30°)	134.9	3.8	B1/500		
BM (30°-60°)	202.2	5.6	B0/220		
BH (60°-80°)	85.6	2.4	B0/110		G0/110
BVH (80°-90°)	0.4	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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	442.9	442.9	442.9	442.9	442.9	442.9	442.9	442.9	442.9	442.9	442.9
2.5°	436.5	433.7	436.5	440.1	436.5	439.2	438.3	441.1	437.4	437.4	440.1
5°	408.0	412.6	414.5	419.0	423.6	431.9	437.4	437.4	442.9	445.6	449.3
7.5°	398.0	390.6	398.0	401.6	406.2	420.0	428.2	431.9	439.2	449.3	454.8
10°	383.3	388.8	388.8	400.7	407.1	415.4	430.1	432.8	449.3	459.4	464.9
12.5°	382.4	382.4	387.0	395.2	408.0	423.6	442.0	436.5	453.9	472.2	481.4
15°	385.1	391.5	391.5	402.5	412.6	434.6	450.2	451.1	475.9	494.2	502.5
17.5°	397.0	394.3	398.0	404.4	420.0	441.1	466.7	469.5	497.9	522.7	534.6
20°	421.8	426.4	420.9	417.2	423.6	451.1	484.2	489.7	521.7	545.6	557.5
22.5°	514.4	510.7	488.7	463.1	452.1	464.9	500.7	513.5	551.1	579.5	589.6
25°	618.9	612.5	586.8	548.3	497.9	492.4	533.7	533.7	587.8	618.9	616.2
27.5°	718.0	716.1	685.9	645.5	574.0	534.6	560.3	570.3	629.0	654.7	642.8
30°	818.8	820.7	793.2	744.6	669.4	602.4	597.9	606.1	660.2	700.6	675.8
32.5°	936.2	919.7	900.4	833.5	764.7	689.5	646.5	642.8	695.1	731.7	698.7
35°	1040.7	1030.7	1009.6	949.0	870.2	780.3	719.8	710.6	739.1	787.7	751.9
37.5°	1132.4	1122.4	1094.8	1054.5	993.1	893.1	807.8	794.1	806.0	857.4	814.3
40°	1211.3	1214.0	1206.7	1167.3	1110.4	1019.7	921.5	899.5	889.4	935.3	886.7
42.5°	1268.1	1294.7	1296.6	1248.0	1202.1	1152.6	1042.6	1025.2	1001.3	1039.8	1005.9
45°	1387.3	1372.7	1381.8	1364.4	1314.0	1306.7	1182.0	1171.9	1138.9	1151.7	1115.9
47.5°	1480.9	1478.1	1495.6	1467.1	1453.4	1454.3	1340.6	1323.2	1276.4	1300.2	1259.9
50°	1535.0	1520.3	1583.6	1605.6	1602.8	1613.8	1501.1	1486.4	1441.4	1476.3	1390.1
52.5°	1547.8	1574.4	1634.0	1713.8	1747.7	1770.6	1676.2	1670.7	1622.1	1644.1	1524.9
55°	1579.9	1605.6	1640.4	1771.6	1897.2	1902.7	1848.6	1854.1	1811.0	1805.5	1653.3
57.5°	1579.0	1573.5	1669.8	1822.0	1996.2	2075.1	2045.7	2019.1	1972.4	1918.3	1735.8
60°	1521.2	1518.5	1618.4	1828.4	2050.3	2230.9	2242.9	2211.7	2094.3	2014.5	1833.0
62.5°	1406.6	1417.6	1518.5	1773.4	2101.7	2286.9	2330.9	2309.8	2164.0	2078.7	1947.6
65°	1275.5	1252.6	1369.9	1635.8	1986.1	2270.4	2365.7	2358.4	2246.5	2148.4	2053.1
67.5°	1023.3	1033.4	1123.3	1407.5	1789.0	2209.9	2447.3	2458.4	2312.6	2209.9	2085.2
70°	648.3	666.6	760.2	1016.9	1460.7	2019.1	2520.7	2552.8	2364.8	2204.4	1991.6
72.5°	188.9	196.2	323.7	507.1	930.7	1619.3	2403.3	2419.8	2263.0	2000.8	1540.5
75°	62.4	66.0	95.4	165.1	364.9	837.2	1775.2	1853.2	1800.9	1450.6	881.2
77.5°	41.3	43.1	52.3	78.9	138.5	262.2	951.8	1035.2	1015.1	679.5	284.3
80°	30.3	31.2	38.5	53.2	84.4	94.4	351.2	406.2	392.5	155.9	56.9
82.5°	19.3	19.3	28.4	37.6	53.2	46.8	101.8	112.8	110.0	59.6	22.0
85°	12.8	13.8	21.1	29.3	29.3	22.0	29.3	33.9	36.7	32.1	10.1
87.5°	3.7	4.6	11.9	20.2	11.9	11.0	10.1	11.0	12.8	17.4	5.5
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°	442.9	442.9	442.9	442.9	442.9	442.9	442.9	442.9	442.9	442.9	442.9
2.5°	442.9	446.6	445.6	447.5	444.7	442.0	444.7	444.7	444.7	442.0	440.1
5°	446.6	444.7	446.6	442.9	446.6	442.9	441.1	435.6	434.6	434.6	438.3
7.5°	452.1	453.9	445.6	445.6	437.4	439.2	434.6	435.6	433.7	431.0	429.1
10°	460.3	467.6	459.4	456.6	447.5	440.1	429.1	423.6	423.6	420.0	423.6
12.5°	483.2	480.5	475.9	466.7	455.7	441.1	414.5	387.9	365.9	349.4	357.6
15°	501.6	500.7	494.2	476.8	462.1	417.2	350.3	281.5	244.8	228.3	225.6
17.5°	530.0	527.2	516.2	493.3	444.7	345.7	240.2	182.5	146.7	138.5	135.7
20°	556.6	555.7	531.8	502.5	400.7	252.2	156.8	120.1	110.0	111.0	109.1
22.5°	585.0	580.4	552.0	491.5	319.1	167.8	111.9	107.3	103.6	102.7	104.5
25°	617.1	600.6	572.2	466.7	234.7	115.5	105.4	101.8	98.1	97.2	97.2
27.5°	629.9	618.9	581.3	407.1	148.5	100.9	99.0	94.4	89.9	87.1	86.2
30°	659.3	641.0	590.5	320.0	105.4	92.6	89.9	84.4	77.9	73.4	73.4
32.5°	688.6	666.6	591.4	223.7	88.0	83.4	78.9	71.5	63.3	58.7	59.6
35°	725.3	695.1	581.3	144.9	78.9	73.4	64.2	55.9	48.6	44.9	44.9
37.5°	787.7	759.2	540.1	95.4	71.5	62.4	53.2	44.0	37.6	34.8	34.8
40°	866.5	829.8	483.2	75.2	63.3	53.2	42.2	33.9	30.3	27.5	27.5
42.5°	961.0	915.1	398.9	66.9	55.9	44.0	33.0	26.6	22.9	22.9	22.0
45°	1055.4	980.2	312.7	61.4	49.5	36.7	25.7	21.1	19.3	18.3	18.3
47.5°	1190.2	1059.1	223.7	55.9	43.1	28.4	21.1	17.4	15.6	14.7	15.6
50°	1319.5	1133.4	158.6	50.4	35.8	22.9	17.4	15.6	13.8	12.8	12.8
52.5°	1433.2	1184.7	111.0	44.0	30.3	19.3	15.6	13.8	12.8	11.9	11.9
55°	1495.6	1167.3	76.1	37.6	24.8	16.5	13.8	11.9	11.0	10.1	10.1
57.5°	1559.7	1118.7	57.8	31.2	20.2	15.6	12.8	11.0	10.1	9.2	9.2
60°	1613.8	1082.9	44.9	24.8	16.5	12.8	11.0	9.2	8.3	7.3	6.4
62.5°	1616.6	1011.4	33.0	18.3	12.8	11.0	9.2	7.3	4.6	3.7	2.8
65°	1627.6	936.2	23.8	13.8	9.2	8.3	6.4	3.7	1.8	0.0	0.0
67.5°	1589.1	847.3	19.3	10.1	6.4	4.6	2.8	0.9	0.0	0.0	0.0
70°	1432.3	715.2	14.7	7.3	4.6	2.8	0.9	0.0	0.0	0.0	0.0
72.5°	1025.2	464.9	10.1	5.5	1.8	0.9	0.0	0.0	0.0	0.0	0.0
75°	546.5	198.1	7.3	3.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	171.5	50.4	4.6	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0
80°	37.6	13.8	2.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	12.8	5.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.6	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.8	0.9	0.9	0.0	0.0	0.0	0.0	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)