

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: P676404

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

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676404
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-730-U-T3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
T3 distribution lens and House Side Shield
Light Source: (32) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

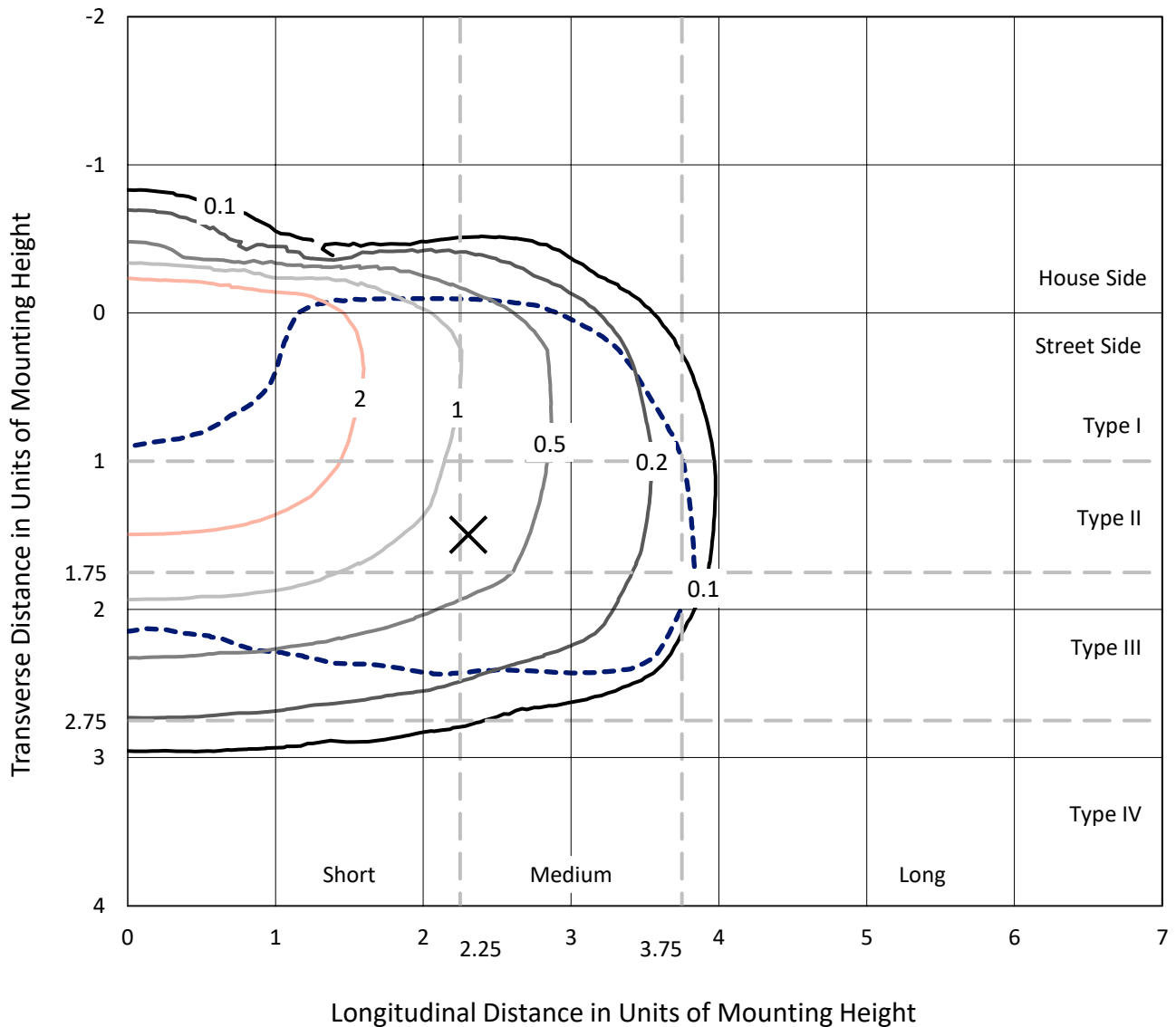
Lumens per Lamp: N/A
Luminaire Lumens: 5931.3 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1
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

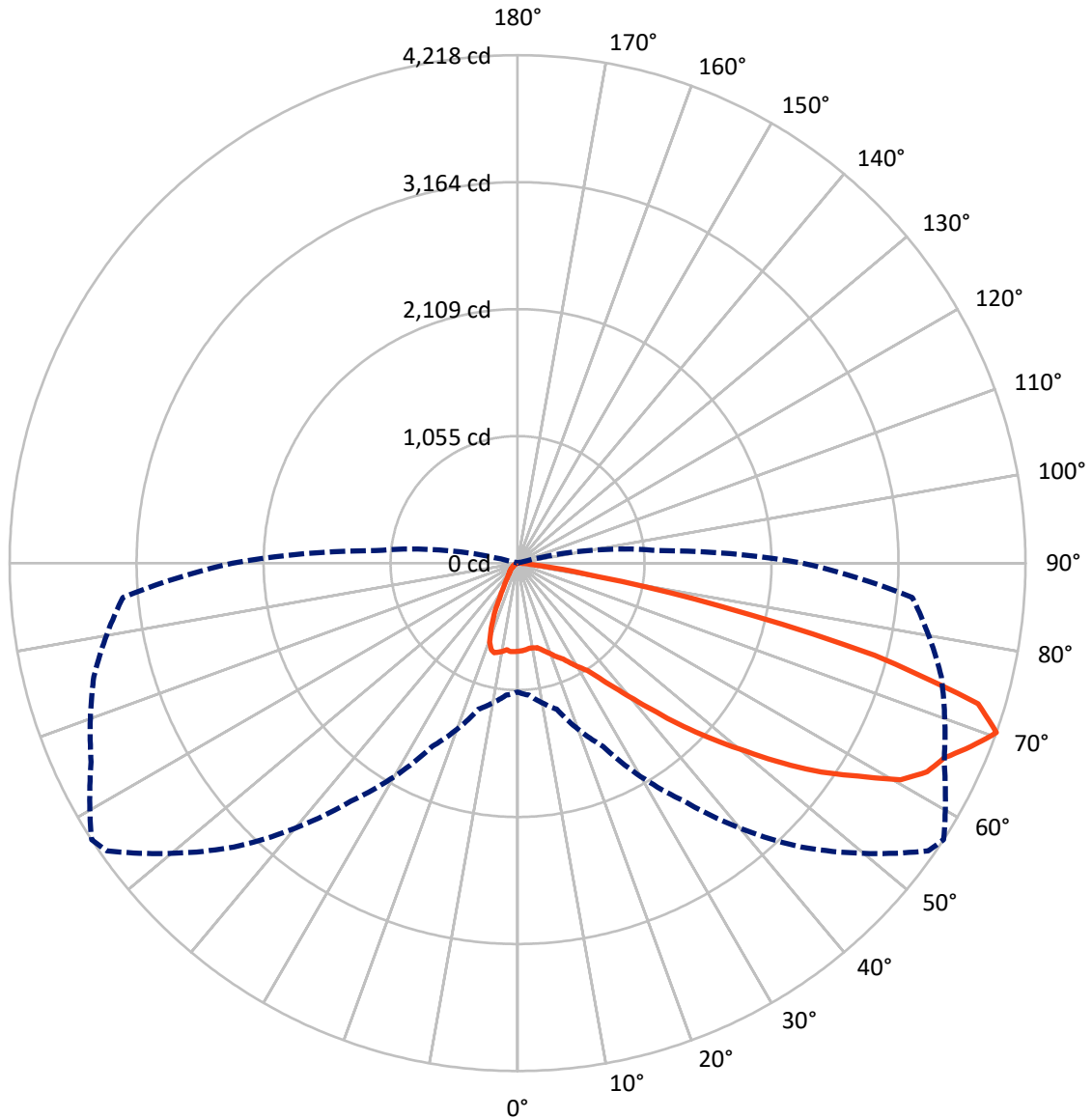
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.2 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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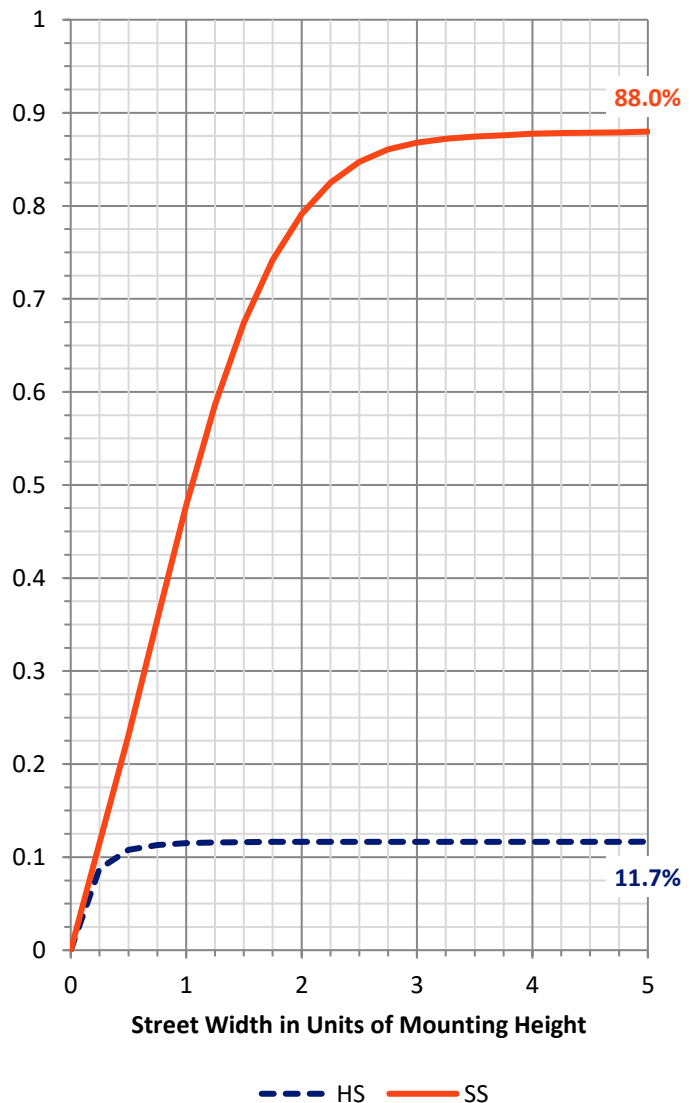
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	699.1	0.0	699.1
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	5232.2	0.0	5232.2
	% Fixture	88.2	0.0	88.2
Total	Lumens	5931.3	0.0	5931.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.4	1.2
10°-20°	191.2	3.2
20°-30°	322.1	5.4
30°-40°	551.2	9.3
40°-50°	925.6	15.6
50°-60°	1420.8	24.0
60°-70°	1640.4	27.7
70°-80°	774.9	13.1
80°-90°	36.8	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°	5931.3	100.0
0°-180°	5931.3	100.0



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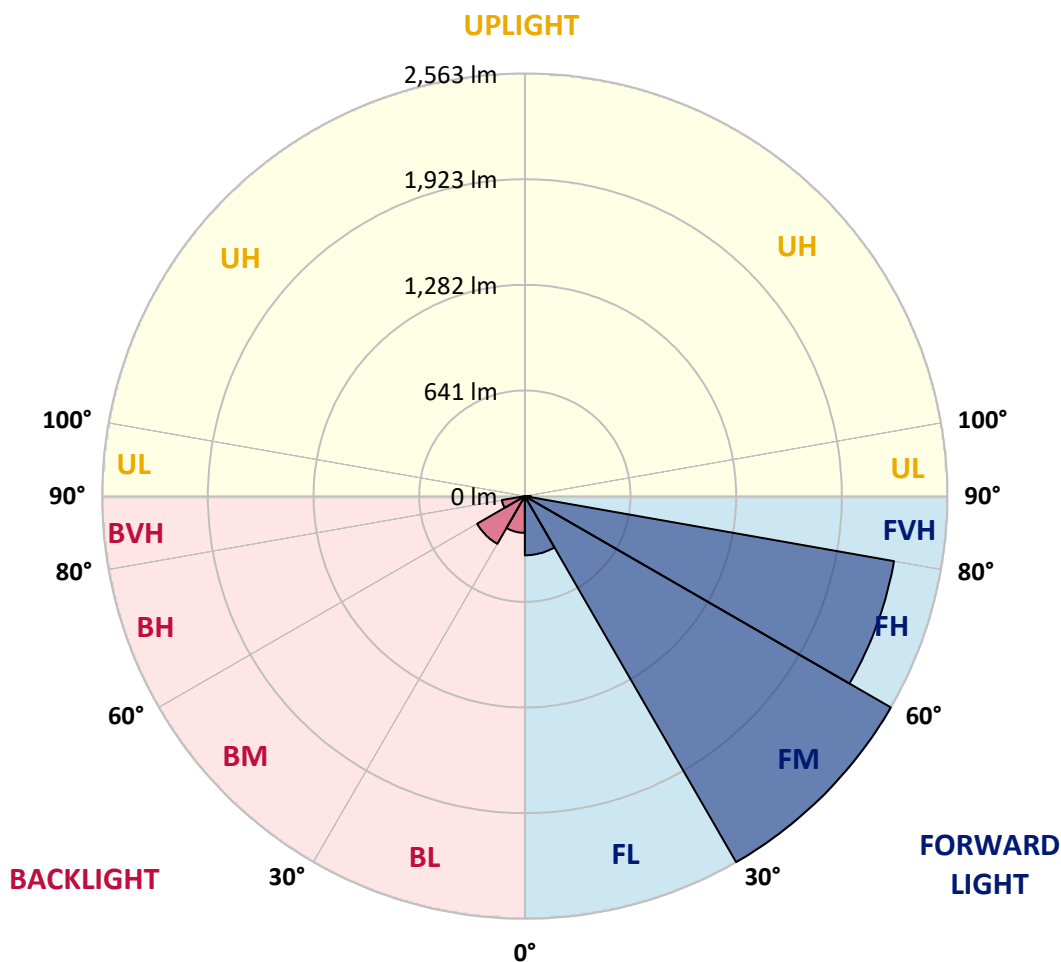
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	358.8	6.0			
FM (30°-60°)	2563.4	43.2			
FH (60°-80°)	2273.8	38.3			G2/5000
FVH (80°-90°)	36.1	0.6			G1/100
BL (0°-30°)	222.9	3.8	B1/500		
BM (30°-60°)	334.2	5.6	B1/1000		
BH (60°-80°)	141.4	2.4	B1/500		G1/500
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-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	731.8	731.8	731.8	731.8	731.8	731.8	731.8	731.8	731.8	731.8	731.8
2.5°	721.2	716.7	721.2	727.3	721.2	725.8	724.3	728.8	722.8	722.8	727.3
5°	674.3	681.8	684.9	692.4	700.0	713.7	722.8	722.8	731.8	736.4	742.5
7.5°	657.6	645.5	657.6	663.7	671.2	694.0	707.6	713.7	725.8	742.5	751.5
10°	633.4	642.4	642.4	662.1	672.8	686.4	710.6	715.2	742.5	759.1	768.2
12.5°	631.8	631.8	639.4	653.1	674.3	700.0	730.3	721.2	750.0	780.3	795.5
15°	636.4	647.0	647.0	665.2	681.8	718.2	744.0	745.5	786.4	816.7	830.3
17.5°	656.1	651.5	657.6	668.2	694.0	728.8	771.2	775.8	822.8	863.7	883.4
20°	697.0	704.6	695.5	689.4	700.0	745.5	800.0	809.1	862.2	901.5	921.2
22.5°	850.0	844.0	807.6	765.2	747.0	768.2	827.3	848.5	910.6	957.6	974.3
25°	1022.8	1012.2	969.7	906.1	822.8	813.7	881.9	881.9	971.2	1022.8	1018.2
27.5°	1186.4	1183.4	1133.4	1066.7	948.5	883.4	925.8	942.5	1039.4	1081.9	1062.2
30°	1353.1	1356.1	1310.7	1230.3	1106.1	995.5	987.9	1001.6	1090.9	1157.6	1116.7
32.5°	1547.0	1519.8	1487.9	1377.3	1263.7	1139.4	1068.2	1062.2	1148.5	1209.1	1154.6
35°	1719.8	1703.1	1668.2	1568.2	1437.9	1289.4	1189.4	1174.3	1221.3	1301.6	1242.5
37.5°	1871.3	1854.6	1809.2	1742.5	1641.0	1475.8	1334.9	1312.2	1331.9	1416.7	1345.5
40°	2001.6	2006.1	1994.0	1928.9	1834.9	1684.9	1522.8	1486.4	1469.8	1545.5	1465.2
42.5°	2095.5	2139.5	2142.5	2062.2	1986.4	1904.6	1722.8	1694.0	1654.6	1718.2	1662.2
45°	2292.5	2268.3	2283.4	2254.6	2171.3	2159.2	1953.1	1936.4	1881.9	1903.1	1844.0
47.5°	2447.1	2442.5	2471.3	2424.3	2401.6	2403.1	2215.2	2186.4	2109.2	2148.6	2081.9
50°	2536.5	2512.2	2616.8	2653.1	2648.6	2666.8	2480.4	2456.2	2381.9	2439.5	2297.1
52.5°	2557.7	2601.6	2700.1	2831.9	2888.0	2925.9	2769.8	2760.7	2680.4	2716.8	2519.8
55°	2610.7	2653.1	2710.7	2927.4	3135.0	3144.1	3054.7	3063.7	2992.5	2983.4	2731.9
57.5°	2609.2	2600.1	2759.2	3010.7	3298.6	3428.9	3380.4	3336.5	3259.2	3169.8	2868.3
60°	2513.7	2509.2	2674.3	3021.3	3388.0	3686.5	3706.2	3654.7	3460.7	3328.9	3028.9
62.5°	2324.3	2342.5	2509.2	2930.4	3472.9	3778.9	3851.7	3816.8	3575.9	3435.0	3218.3
65°	2107.7	2069.8	2263.7	2703.1	3281.9	3751.7	3909.2	3897.1	3712.3	3550.1	3392.5
67.5°	1691.0	1707.6	1856.1	2325.8	2956.2	3651.6	4044.1	4062.3	3821.4	3651.6	3445.6
70°	1071.3	1101.6	1256.1	1680.4	2413.7	3336.5	4165.3	4218.3	3907.7	3642.6	3291.0
72.5°	312.1	324.3	534.9	837.9	1537.9	2675.9	3971.4	3998.6	3739.5	3306.2	2545.5
75°	103.0	109.1	157.6	272.7	603.1	1383.4	2933.4	3062.2	2975.9	2397.1	1456.1
77.5°	68.2	71.2	86.4	130.3	228.8	433.3	1572.8	1710.7	1677.3	1122.8	469.7
80°	50.0	51.5	63.6	87.9	139.4	156.1	580.3	671.2	648.5	257.6	93.9
82.5°	31.8	31.8	47.0	62.1	87.9	77.3	168.2	186.4	181.8	98.5	36.4
85°	21.2	22.7	34.8	48.5	48.5	36.4	48.5	56.1	60.6	53.0	16.7
87.5°	6.1	7.6	19.7	33.3	19.7	18.2	16.7	18.2	21.2	28.8	9.1
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°	731.8	731.8	731.8	731.8	731.8	731.8	731.8	731.8	731.8	731.8	731.8
2.5°	731.8	737.9	736.4	739.4	734.9	730.3	734.9	734.9	734.9	730.3	727.3
5°	737.9	734.9	737.9	731.8	737.9	731.8	728.8	719.7	718.2	718.2	724.3
7.5°	747.0	750.0	736.4	736.4	722.8	725.8	718.2	719.7	716.7	712.1	709.1
10°	760.6	772.8	759.1	754.6	739.4	727.3	709.1	700.0	700.0	694.0	700.0
12.5°	798.5	794.0	786.4	771.2	753.1	728.8	684.9	640.9	604.6	577.3	590.9
15°	828.8	827.3	816.7	787.9	763.7	689.4	578.8	465.2	404.6	377.3	372.7
17.5°	875.8	871.2	853.1	815.2	734.9	571.2	397.0	301.5	242.4	228.8	224.3
20°	919.7	918.2	878.8	830.3	662.1	416.7	259.1	198.5	181.8	183.3	180.3
22.5°	966.7	959.1	912.2	812.2	527.3	277.3	184.9	177.3	171.2	169.7	172.7
25°	1019.7	992.5	945.5	771.2	387.9	190.9	174.2	168.2	162.1	160.6	160.6
27.5°	1040.9	1022.8	960.6	672.8	245.5	166.7	163.6	156.1	148.5	143.9	142.4
30°	1089.4	1059.1	975.8	528.8	174.2	153.0	148.5	139.4	128.8	121.2	121.2
32.5°	1137.9	1101.6	977.3	369.7	145.5	137.9	130.3	118.2	104.5	97.0	98.5
35°	1198.5	1148.5	960.6	239.4	130.3	121.2	106.1	92.4	80.3	74.2	74.2
37.5°	1301.6	1254.6	892.5	157.6	118.2	103.0	87.9	72.7	62.1	57.6	57.6
40°	1431.9	1371.3	798.5	124.2	104.5	87.9	69.7	56.1	50.0	45.5	45.5
42.5°	1587.9	1512.2	659.1	110.6	92.4	72.7	54.5	43.9	37.9	37.9	36.4
45°	1744.0	1619.8	516.7	101.5	81.8	60.6	42.4	34.8	31.8	30.3	30.3
47.5°	1966.7	1750.1	369.7	92.4	71.2	47.0	34.8	28.8	25.8	24.2	25.8
50°	2180.4	1872.8	262.1	83.3	59.1	37.9	28.8	25.8	22.7	21.2	21.2
52.5°	2368.3	1957.6	183.3	72.7	50.0	31.8	25.8	22.7	21.2	19.7	19.7
55°	2471.3	1928.9	125.8	62.1	40.9	27.3	22.7	19.7	18.2	16.7	16.7
57.5°	2577.4	1848.6	95.5	51.5	33.3	25.8	21.2	18.2	16.7	15.2	15.2
60°	2666.8	1789.5	74.2	40.9	27.3	21.2	18.2	15.2	13.6	12.1	10.6
62.5°	2671.3	1671.3	54.5	30.3	21.2	18.2	15.2	12.1	7.6	6.1	4.5
65°	2689.5	1547.0	39.4	22.7	15.2	13.6	10.6	6.1	3.0	0.0	0.0
67.5°	2625.9	1400.1	31.8	16.7	10.6	7.6	4.5	1.5	0.0	0.0	0.0
70°	2366.8	1181.9	24.2	12.1	7.6	4.5	1.5	0.0	0.0	0.0	0.0
72.5°	1694.0	768.2	16.7	9.1	3.0	1.5	0.0	0.0	0.0	0.0	0.0
75°	903.1	327.3	12.1	6.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	283.3	83.3	7.6	3.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0
80°	62.1	22.7	4.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	21.2	9.1	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	7.6	3.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.0	1.5	1.5	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)