

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: P675248

Luminaire Tested: **CCW-SA-1E-730-U-T4W**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675248
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-730-U-T4W
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/
T4W distribution lens
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

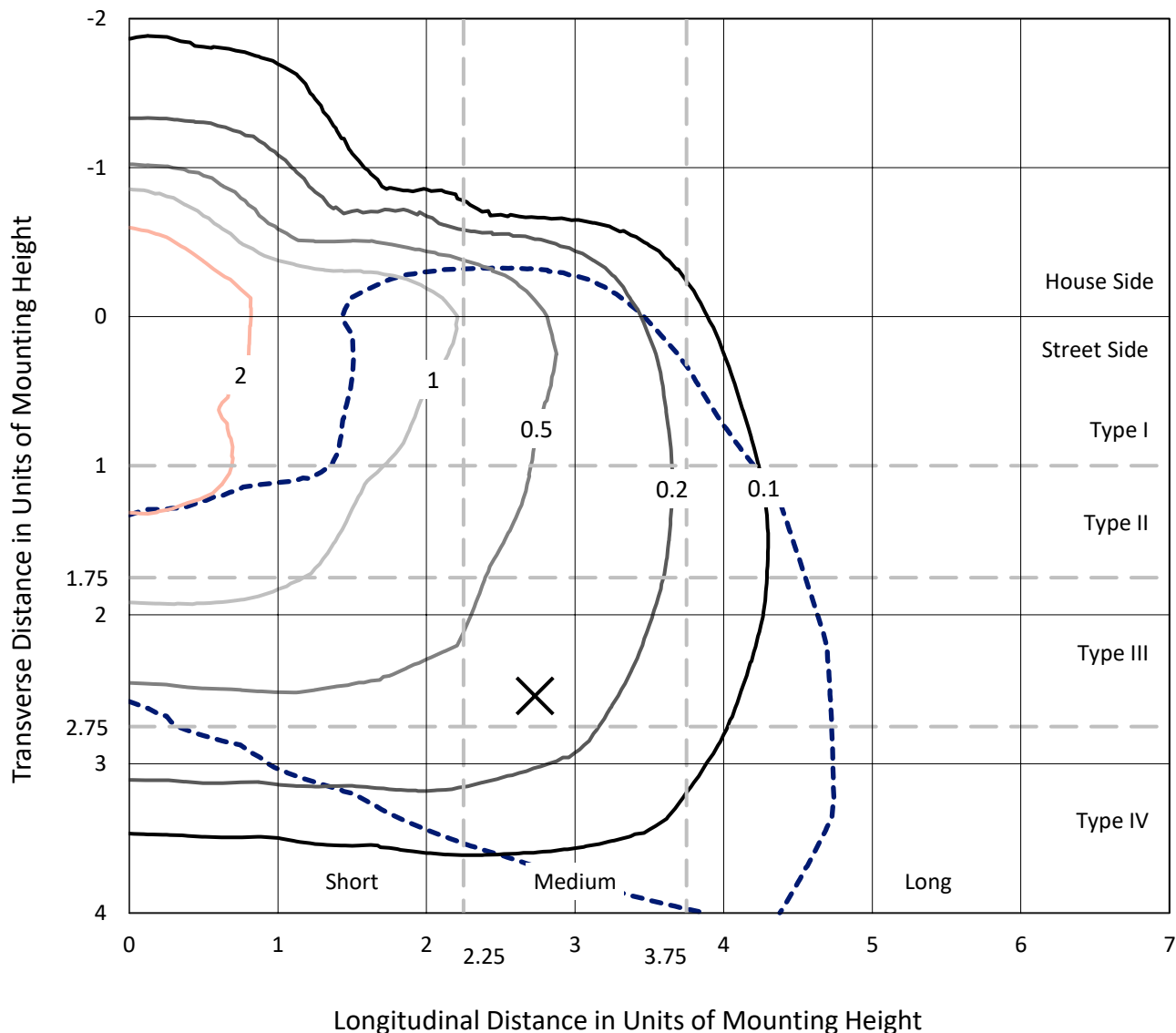
Lumens per Lamp: N/A
Luminaire Lumens: 6280.7 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1
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

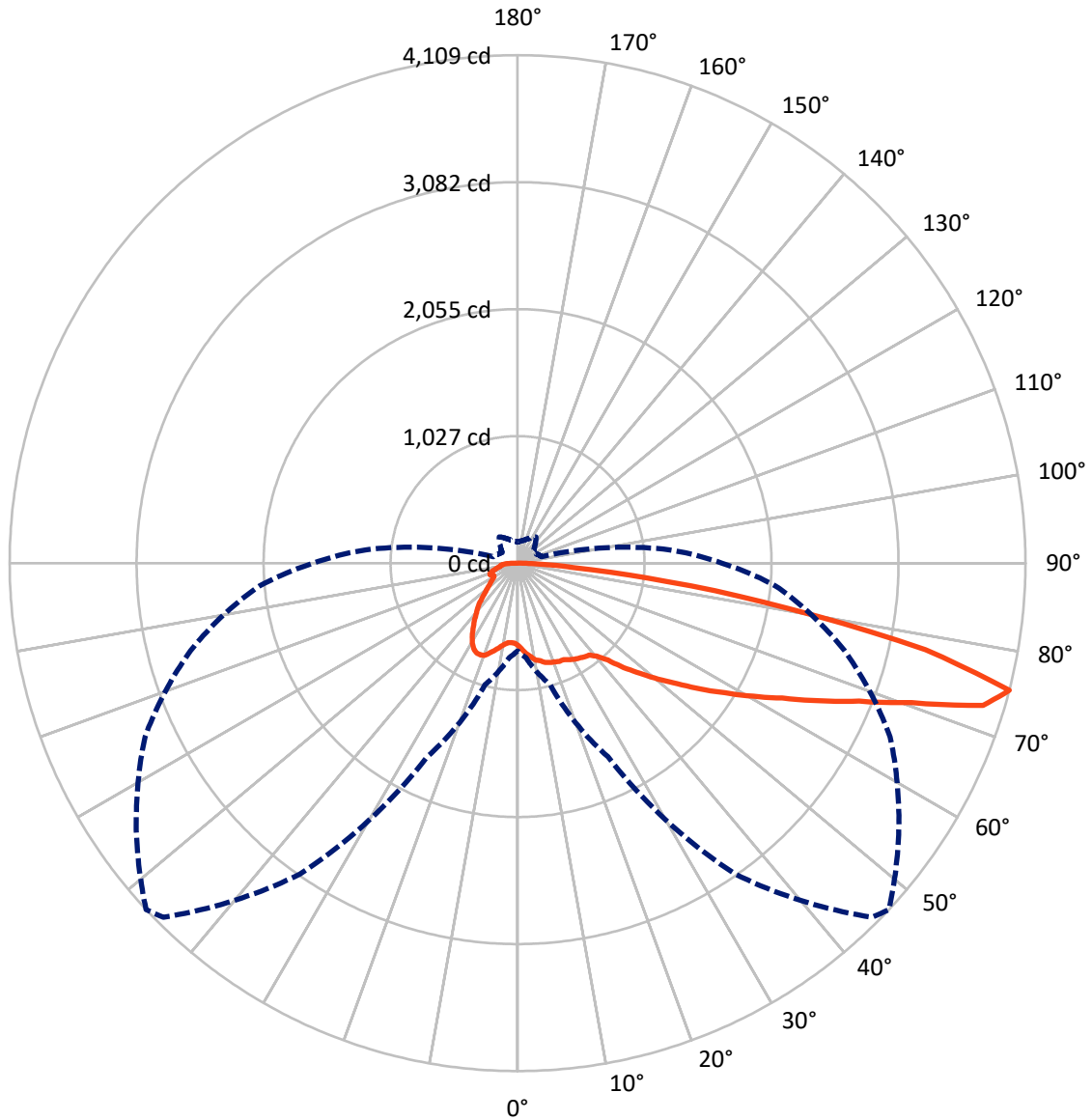
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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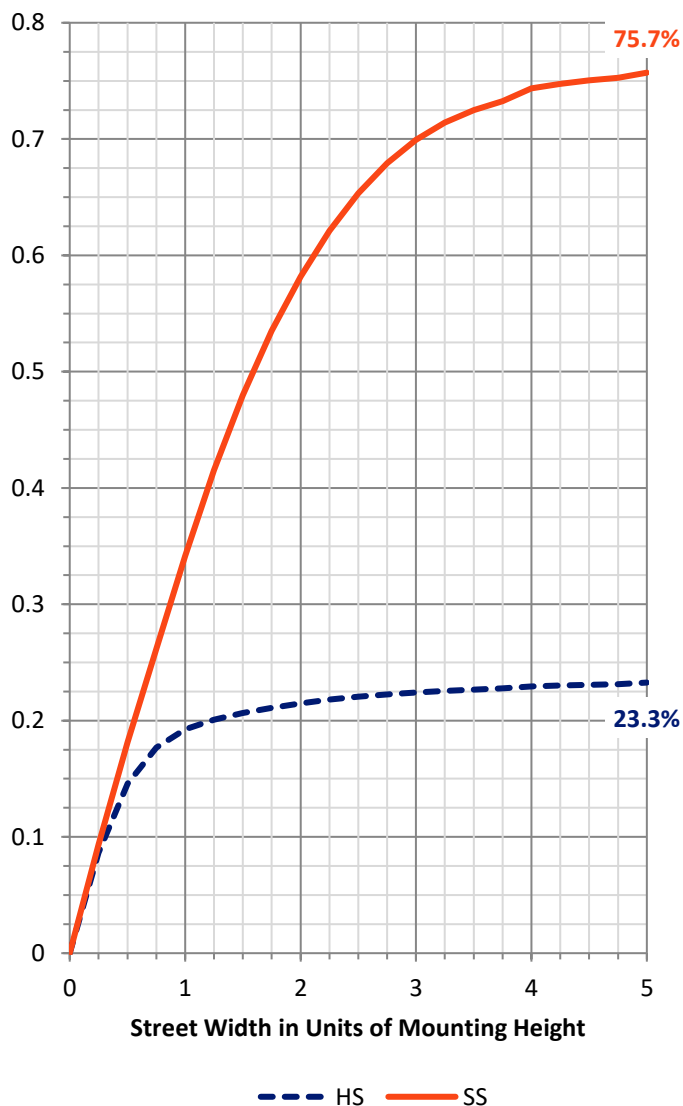
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1502.0	0.0	1502.0
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	4778.7	0.0	4778.7
	% Fixture	76.1	0.0	76.1
Total	Lumens	6280.7	0.0	6280.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.4	1.1
10°-20°	223.9	3.6
20°-30°	383.5	6.1
30°-40°	536.5	8.5
40°-50°	748.1	11.9
50°-60°	1118.2	17.8
60°-70°	1612.2	25.7
70°-80°	1372.3	21.8
80°-90°	218.6	3.5
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°	6280.7	100.0
0°-180°	6280.7	100.0



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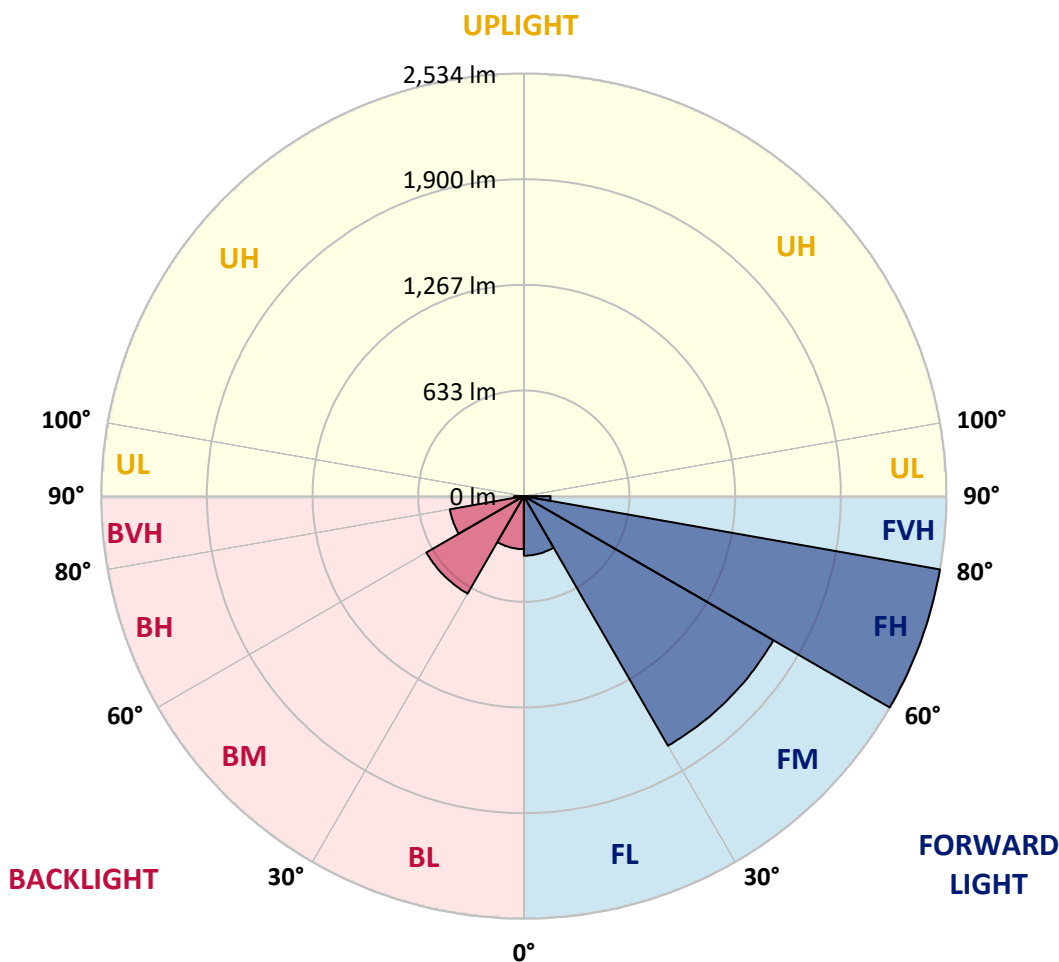
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	356.8	5.7			
FM (30°-60°)	1727.8	27.5			
FH (60°-80°)	2533.9	40.3			G2/5000
FVH (80°-90°)	160.2	2.6			G2/225
BL (0°-30°)	317.9	5.1	B1/500		
BM (30°-60°)	675.1	10.7	B1/1000		
BH (60°-80°)	450.6	7.2	B1/500		G1/500
BVH (80°-90°)	58.4	0.9			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	666.9	666.9	666.9	666.9	666.9	666.9	666.9	666.9	666.9	666.9	666.9
2.5°	715.0	717.3	717.3	712.7	708.1	699.0	699.0	689.8	685.2	673.8	669.2
5°	781.5	774.6	767.7	765.4	754.0	737.9	735.6	726.5	701.3	689.8	673.8
7.5°	829.6	827.3	825.0	815.8	795.2	770.0	763.1	749.4	724.2	701.3	682.9
10°	868.5	877.7	868.5	847.9	827.3	799.8	797.5	772.3	749.4	721.9	699.0
12.5°	912.1	914.4	898.3	873.1	841.0	818.1	809.0	799.8	774.6	751.7	717.3
15°	941.9	937.3	925.8	891.5	854.8	831.9	834.2	822.7	795.2	779.2	742.5
17.5°	941.9	941.9	923.6	898.3	866.3	845.6	845.6	838.8	820.4	797.5	772.3
20°	923.6	923.6	912.1	898.3	861.7	857.1	852.5	847.9	847.9	827.3	790.6
22.5°	900.6	896.1	900.6	877.7	852.5	857.1	864.0	861.7	854.8	836.5	811.3
25°	877.7	880.0	884.6	868.5	845.6	866.3	864.0	875.4	870.8	857.1	836.5
27.5°	875.4	880.0	882.3	866.3	857.1	875.4	884.6	896.1	898.3	884.6	859.4
30°	909.8	907.5	905.2	884.6	877.7	893.8	902.9	919.0	932.7	902.9	882.3
32.5°	999.2	985.4	971.7	916.7	896.1	907.5	916.7	939.6	941.9	925.8	896.1
35°	1141.3	1132.1	1086.3	990.0	932.7	921.3	930.4	946.5	951.1	939.6	916.7
37.5°	1304.0	1299.4	1235.2	1118.3	1008.3	953.3	944.2	967.1	985.4	960.2	928.1
40°	1464.4	1446.1	1400.2	1285.6	1104.6	1001.5	990.0	1001.5	1008.3	990.0	969.4
42.5°	1608.8	1588.1	1576.7	1462.1	1230.6	1081.7	1072.5	1045.0	1065.6	1042.7	1015.2
45°	1730.2	1725.6	1721.1	1622.5	1375.0	1212.3	1205.4	1134.4	1157.3	1139.0	1100.0
47.5°	1817.3	1837.9	1831.1	1776.1	1540.0	1352.1	1331.5	1239.8	1274.2	1255.8	1216.9
50°	1920.4	1931.9	1925.0	1888.4	1693.6	1512.5	1473.6	1379.6	1418.6	1416.3	1395.6
52.5°	2012.1	2046.5	2007.5	2005.2	1913.6	1686.7	1620.2	1530.8	1595.0	1620.2	1617.9
55°	2119.8	2147.3	2135.9	2131.3	2110.6	1856.3	1796.7	1689.0	1796.7	1833.4	1865.4
57.5°	2211.5	2209.2	2252.7	2305.4	2330.6	2051.1	1980.0	1854.0	2016.7	2057.9	2147.3
60°	2252.7	2291.7	2365.0	2497.9	2569.0	2259.6	2186.3	2085.4	2239.0	2271.1	2436.1
62.5°	2280.2	2314.6	2456.7	2681.3	2722.5	2472.7	2404.0	2303.1	2481.9	2504.8	2750.0
65°	2204.6	2236.7	2518.6	2750.0	2896.7	2701.9	2685.9	2580.4	2724.8	2738.6	3080.0
67.5°	2117.5	2151.9	2465.9	2837.1	3128.2	3006.7	2981.5	2855.4	2965.4	2949.4	3332.1
70°	1964.0	2009.8	2330.6	2912.7	3384.8	3432.9	3382.5	3203.8	3215.2	3064.0	3343.6
72.5°	1496.5	1526.3	1824.2	2612.5	3504.0	4024.2	3937.1	3579.6	3449.0	3086.9	2951.7
75°	710.4	765.4	1017.5	1727.9	3070.9	4051.7	4109.0	3765.2	3325.2	2738.6	2092.3
77.5°	206.3	206.3	309.4	733.3	1925.0	3265.7	3373.4	3196.9	2743.2	2028.1	1100.0
80°	112.3	119.2	162.7	259.0	845.6	2060.2	2216.1	2119.8	1615.6	802.1	284.2
82.5°	64.2	66.5	107.7	155.8	385.0	1120.6	1212.3	1100.0	614.2	242.9	132.9
85°	36.7	39.0	61.9	103.1	229.2	412.5	449.2	389.6	247.5	162.7	66.5
87.5°	18.3	18.3	29.8	48.1	116.9	116.9	114.6	139.8	149.0	98.5	29.8
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°	666.9	666.9	666.9	666.9	666.9	666.9	666.9	666.9	666.9	666.9	666.9
2.5°	666.9	664.6	664.6	655.4	653.1	646.3	646.3	641.7	639.4	646.3	646.3
5°	669.2	657.7	655.4	646.3	648.5	644.0	653.1	648.5	646.3	646.3	644.0
7.5°	673.8	662.3	653.1	646.3	644.0	650.8	662.3	662.3	676.0	669.2	669.2
10°	685.2	678.3	666.9	662.3	662.3	669.2	682.9	692.1	703.5	703.5	696.7
12.5°	712.7	701.3	687.5	680.6	689.8	696.7	710.4	719.6	733.3	737.9	733.3
15°	733.3	721.9	717.3	712.7	719.6	728.8	740.2	749.4	765.4	770.0	767.7
17.5°	760.8	747.1	744.8	747.1	751.7	758.5	765.4	772.3	783.8	783.8	783.8
20°	774.6	770.0	767.7	774.6	783.8	792.9	788.3	783.8	781.5	786.0	783.8
22.5°	799.8	795.2	797.5	804.4	804.4	799.8	792.9	776.9	772.3	776.9	772.3
25°	822.7	818.1	818.1	813.5	811.3	795.2	781.5	767.7	751.7	758.5	756.3
27.5°	845.6	843.3	843.3	825.0	802.1	774.6	756.3	740.2	731.0	742.5	735.6
30°	873.1	875.4	864.0	820.4	765.4	735.6	715.0	712.7	710.4	717.3	715.0
32.5°	898.3	900.6	882.3	813.5	737.9	680.6	660.0	662.3	673.8	685.2	696.7
35°	912.1	923.6	900.6	790.6	682.9	618.8	595.8	616.5	637.1	653.1	664.6
37.5°	937.3	967.1	928.1	765.4	634.8	563.8	547.7	554.6	579.8	605.0	616.5
40°	974.0	1008.3	935.0	717.3	570.6	508.8	499.6	501.9	511.0	527.1	538.5
42.5°	1038.1	1074.8	941.9	655.4	506.5	474.4	449.2	442.3	435.4	435.4	433.1
45°	1132.1	1166.5	932.7	577.5	442.3	419.4	401.0	385.0	366.7	336.9	341.5
47.5°	1269.6	1297.1	939.6	508.8	382.7	364.4	350.6	332.3	304.8	272.7	270.4
50°	1478.1	1436.9	930.4	437.7	339.2	323.1	311.7	286.5	254.4	231.5	229.2
52.5°	1721.1	1638.6	921.3	378.1	302.5	288.8	279.6	252.1	222.3	210.8	208.5
55°	2014.4	1895.2	935.0	325.4	275.0	263.5	254.4	229.2	206.3	197.1	194.8
57.5°	2360.4	2172.5	1010.6	284.2	245.2	240.6	238.3	217.7	197.1	190.2	187.9
60°	2685.9	2438.4	1061.1	254.4	217.7	222.3	226.9	217.7	194.8	190.2	190.2
62.5°	2958.6	2658.4	980.8	229.2	204.0	217.7	238.3	231.5	222.3	226.9	222.3
65°	3199.2	2734.0	733.3	215.4	197.1	229.2	263.5	261.3	240.6	245.2	242.9
67.5°	3240.4	2642.3	479.0	204.0	192.5	252.1	295.6	268.1	226.9	226.9	220.0
70°	3068.6	2397.1	320.8	192.5	190.2	252.1	302.5	252.1	213.1	213.1	204.0
72.5°	2518.6	1915.9	247.5	181.0	174.2	224.6	286.5	238.3	199.4	194.8	178.8
75°	1654.6	1235.2	201.7	171.9	151.3	197.1	259.0	220.0	190.2	176.5	169.6
77.5°	811.3	554.6	169.6	151.3	130.6	171.9	236.0	208.5	178.8	165.0	160.4
80°	222.3	199.4	142.1	132.9	110.0	149.0	222.3	199.4	167.3	153.5	146.7
82.5°	126.0	123.8	114.6	107.7	91.7	149.0	224.6	199.4	158.1	155.8	132.9
85°	68.8	73.3	82.5	80.2	71.0	132.9	213.1	174.2	128.3	107.7	107.7
87.5°	27.5	34.4	41.3	45.8	48.1	98.5	160.4	132.9	98.5	82.5	82.5
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)