

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: P675147

Luminaire Tested: **CCW-SA-1D-760-U-T4FT**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675147
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1D-760-U-T4FT
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
T4FT distribution lens
Light Source: (16) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

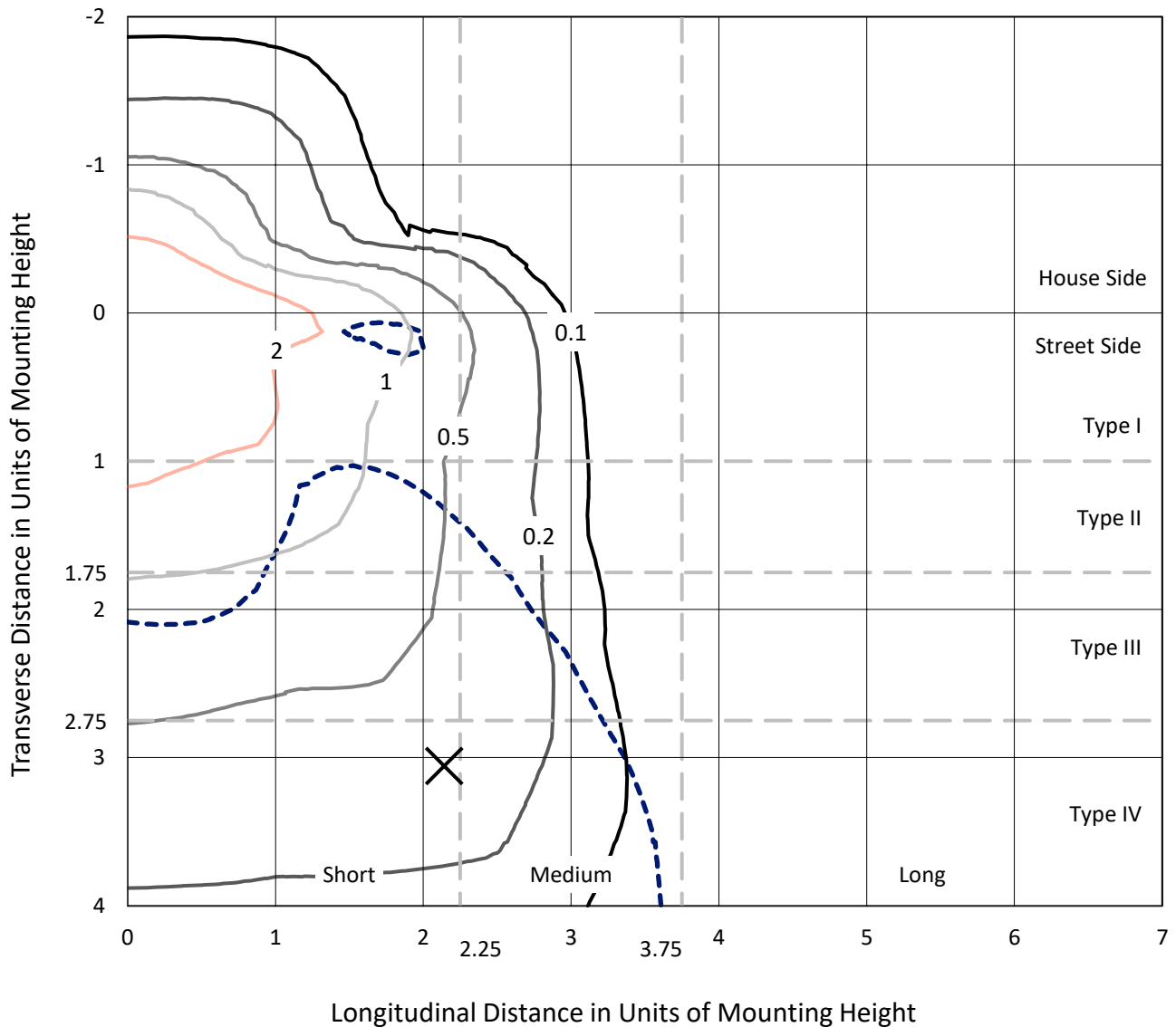
Lumens per Lamp: N/A
Luminaire Lumens: 5701.1 lumens
Efficiency: N/A
Efficacy: 129.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 44
Input Voltage (V): 120
Input Current (A_{in}): 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

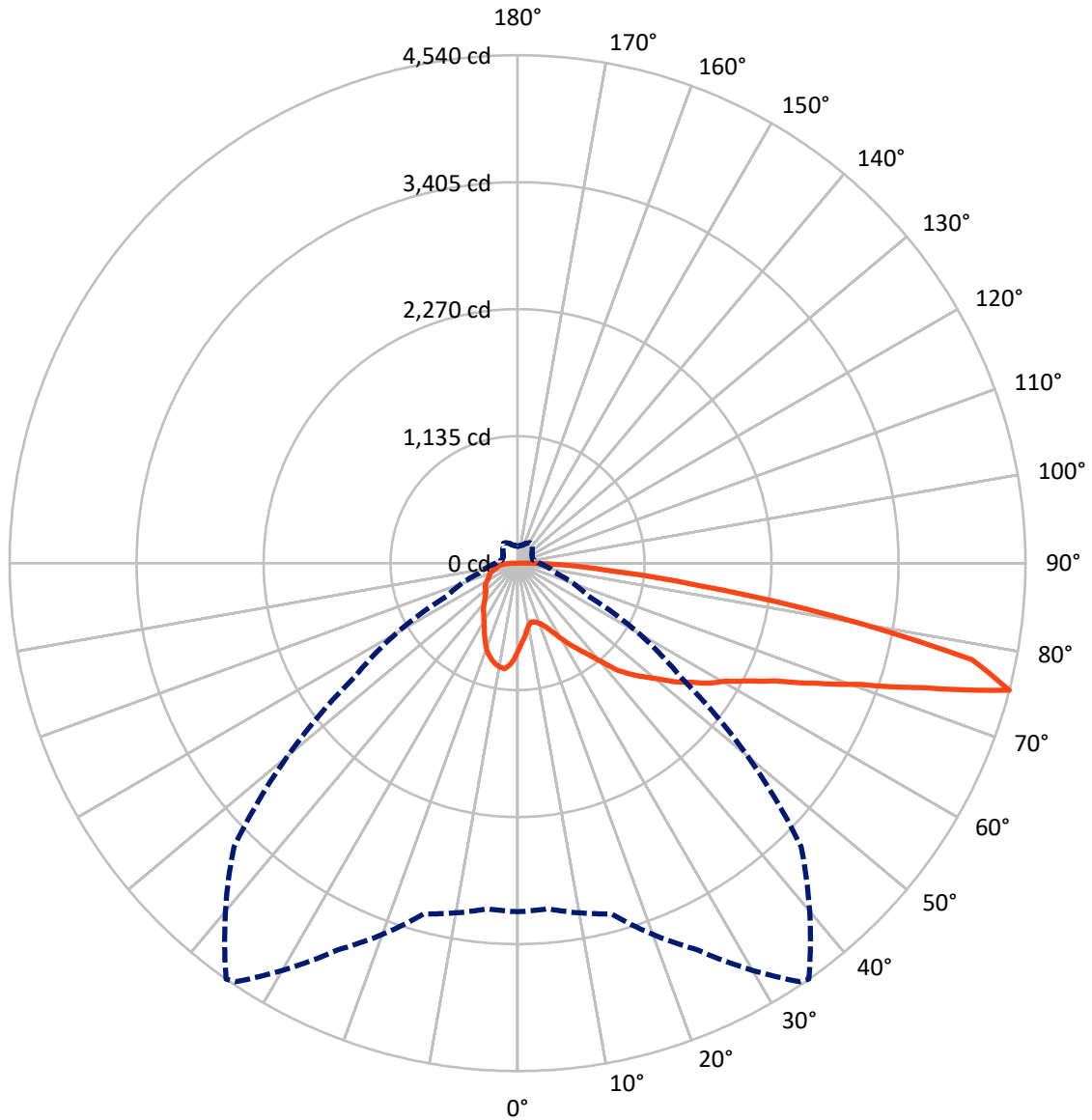
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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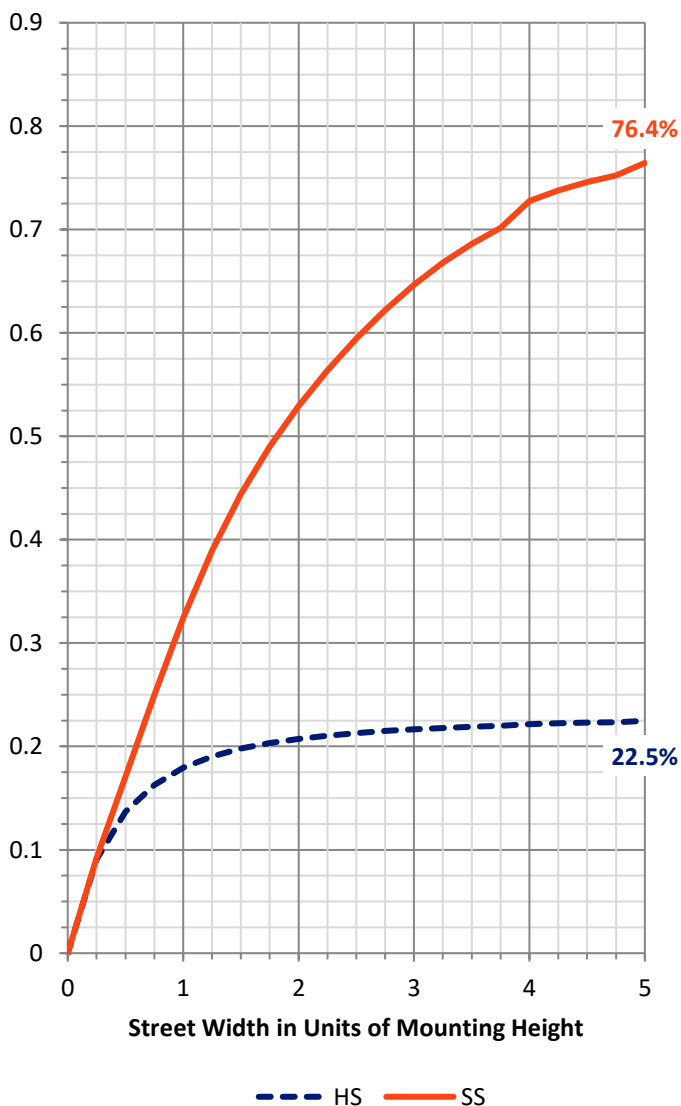
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1310.3	0.0	1310.3
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	4390.8	0.0	4390.8
	% Fixture	77.0	0.0	77.0
Total	Lumens	5701.1	0.0	5701.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.4	1.3
10°-20°	216.0	3.8
20°-30°	358.4	6.3
30°-40°	531.3	9.3
40°-50°	766.1	13.4
50°-60°	1053.5	18.5
60°-70°	1301.3	22.8
70°-80°	1190.5	20.9
80°-90°	209.6	3.7
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°	5701.1	100.0
0°-180°	5701.1	100.0



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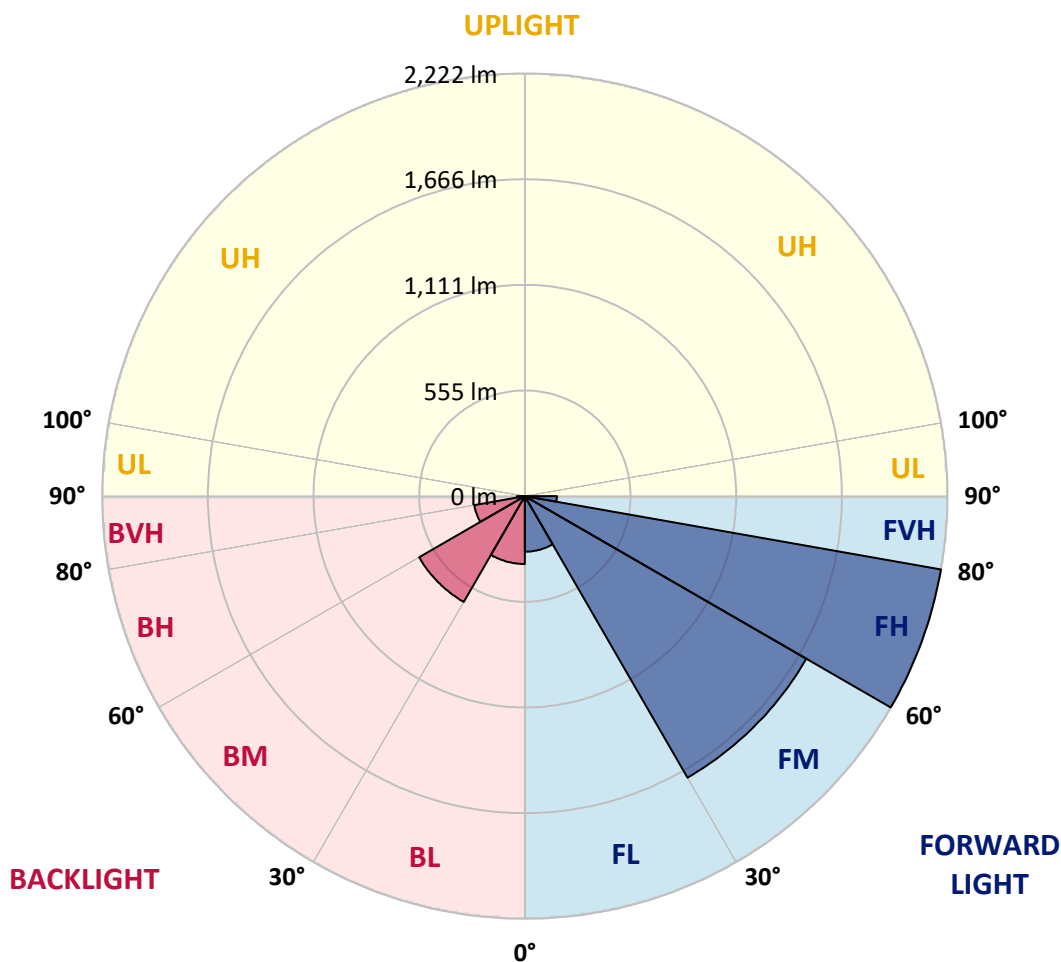
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	292.2	5.1			
FM (30°-60°)	1708.8	30.0			
FH (60°-80°)	2221.6	39.0			G2/5000
FVH (80°-90°)	168.2	3.0			G2/225
BL (0°-30°)	356.6	6.3	B1/500		
BM (30°-60°)	642.1	11.3	B1/1000		
BH (60°-80°)	270.2	4.7	B1/500		G1/500
BVH (80°-90°)	41.4	0.7			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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	781.1	781.1	781.1	781.1	781.1	781.1	781.1	781.1	781.1	781.1	781.1
2.5°	707.6	701.3	707.6	711.8	711.8	711.8	718.1	737.0	749.6	758.0	772.7
5°	634.1	636.2	640.4	650.9	657.2	661.4	671.9	695.0	713.9	741.2	772.7
7.5°	569.0	573.2	579.5	590.0	604.7	602.6	625.7	657.2	692.9	728.6	774.8
10°	535.4	543.8	545.9	548.0	562.7	562.7	594.2	629.9	674.0	720.2	774.8
12.5°	541.7	541.7	535.4	533.3	541.7	539.6	566.9	608.9	657.2	722.3	783.2
15°	560.6	560.6	548.0	535.4	548.0	543.8	566.9	600.5	657.2	724.4	800.0
17.5°	585.8	587.9	573.2	552.2	556.4	558.5	575.3	606.8	657.2	728.6	823.1
20°	636.2	625.7	602.6	569.0	583.7	577.4	602.6	629.9	669.8	745.4	856.7
22.5°	680.3	680.3	636.2	606.8	608.9	608.9	632.0	655.1	688.7	768.5	881.9
25°	751.7	747.5	692.9	648.8	653.0	655.1	667.7	695.0	720.2	781.1	913.4
27.5°	842.0	831.5	776.9	726.5	709.7	716.0	722.3	743.3	749.6	802.1	951.2
30°	938.6	923.9	877.7	797.9	789.5	791.6	781.1	793.7	785.3	835.7	989.0
32.5°	999.4	999.4	955.4	896.6	873.5	873.5	837.8	846.2	846.2	867.2	1056.1
35°	1051.9	1047.7	1018.3	974.3	959.6	951.2	915.5	928.1	907.1	928.1	1150.6
37.5°	1131.7	1119.1	1106.5	1077.1	1047.7	1041.4	1022.5	1030.9	1001.5	991.0	1257.7
40°	1224.1	1217.8	1205.2	1192.6	1163.2	1161.1	1140.1	1148.5	1117.0	1077.1	1364.8
42.5°	1360.6	1341.7	1301.8	1291.3	1297.6	1306.0	1297.6	1282.9	1226.2	1175.8	1480.3
45°	1497.1	1467.7	1392.1	1375.3	1423.6	1417.3	1453.0	1446.7	1354.3	1274.5	1602.1
47.5°	1585.3	1560.1	1499.2	1488.7	1509.7	1518.1	1625.2	1606.3	1459.3	1364.8	1719.6
50°	1648.3	1650.3	1570.6	1597.9	1625.2	1625.2	1759.5	1757.4	1587.4	1476.1	1872.9
52.5°	1740.6	1711.2	1677.6	1702.8	1740.6	1761.6	1927.5	1881.3	1667.1	1570.6	2045.1
55°	1788.9	1776.3	1746.9	1791.0	1870.8	1881.3	2057.7	2022.0	1757.4	1681.8	2221.5
57.5°	1807.8	1818.3	1866.6	1885.5	1996.8	2024.1	2175.3	2124.9	1841.4	1820.4	2357.9
60°	1891.8	1877.1	1942.2	2017.8	2124.9	2139.6	2322.2	2213.1	1923.3	1910.7	2402.0
62.5°	2061.9	2024.1	2059.8	2150.1	2299.2	2318.0	2477.6	2330.6	1959.0	1971.6	2399.9
65°	2309.6	2282.4	2229.9	2301.3	2511.2	2538.5	2660.3	2431.4	1948.5	1950.6	2229.9
67.5°	2601.5	2557.4	2502.8	2546.9	2803.1	2866.1	2882.9	2475.5	1875.0	1833.0	1814.1
70°	2857.7	2828.3	2792.6	2868.2	3225.1	3248.2	3160.0	2448.2	1671.3	1471.9	1209.4
72.5°	3097.0	3082.3	3103.3	3386.8	3796.2	3810.9	3420.4	2276.1	1320.7	892.4	562.7
75°	3115.9	3101.2	3246.1	3815.1	4512.2	4539.5	3582.1	1784.7	697.1	363.2	237.3
77.5°	2110.2	2154.3	2425.1	3340.6	4144.8	4151.1	2929.1	829.4	287.7	214.2	165.9
80°	518.6	575.3	913.4	1728.0	2794.7	2864.0	1604.2	279.3	189.0	163.8	123.9
82.5°	189.0	205.8	371.6	781.1	1570.6	1597.9	560.6	151.2	136.5	126.0	90.3
85°	90.3	92.4	176.4	384.2	793.7	785.3	201.6	90.3	98.7	86.1	54.6
87.5°	37.8	37.8	77.7	178.5	350.6	340.1	65.1	42.0	56.7	50.4	27.3
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°	781.1	781.1	781.1	781.1	781.1	781.1	781.1	781.1	781.1	781.1	781.1
2.5°	783.2	787.4	804.2	816.8	829.4	839.9	856.7	856.7	867.2	867.2	867.2
5°	781.1	804.2	831.5	860.9	879.8	898.7	915.5	917.6	923.9	932.3	934.4
7.5°	789.5	812.6	856.7	898.7	921.8	930.2	951.2	944.9	944.9	944.9	951.2
10°	806.3	831.5	892.4	930.2	947.0	949.1	942.8	938.6	926.0	921.8	915.5
12.5°	818.9	863.0	923.9	953.3	947.0	940.7	926.0	905.0	890.3	886.1	886.1
15°	850.4	894.5	951.2	961.7	951.2	917.6	898.7	875.6	863.0	844.1	852.5
17.5°	877.7	928.1	978.5	965.9	944.9	892.4	865.1	831.5	814.7	793.7	793.7
20°	913.4	959.6	1003.6	970.1	923.9	867.2	823.1	781.1	758.0	737.0	741.2
22.5°	953.3	995.2	1018.3	953.3	892.4	827.3	766.4	726.5	697.1	684.5	688.7
25°	984.8	1030.9	1026.7	926.0	854.6	776.9	709.7	671.9	665.6	653.0	653.0
27.5°	1024.6	1072.9	1020.4	892.4	791.6	697.1	655.1	640.4	640.4	634.1	638.3
30°	1077.1	1110.7	1005.7	844.1	711.8	625.7	604.7	613.1	627.8	621.5	623.6
32.5°	1163.2	1159.0	993.1	789.5	627.8	556.4	571.1	587.9	600.5	606.8	611.0
35°	1247.2	1219.9	978.5	716.0	550.1	522.8	535.4	554.3	577.4	583.7	585.8
37.5°	1331.2	1282.9	953.3	625.7	501.8	493.4	506.0	516.5	535.4	539.6	543.8
40°	1419.4	1324.9	909.2	537.5	461.9	461.9	470.3	472.4	482.9	489.2	493.4
42.5°	1497.1	1364.8	829.4	455.6	419.9	434.6	436.7	432.5	424.1	428.3	430.4
45°	1591.6	1408.9	737.0	396.8	388.4	407.3	411.5	394.7	380.0	371.6	367.4
47.5°	1683.9	1455.1	657.2	348.5	359.0	388.4	388.4	369.5	344.3	323.4	315.0
50°	1767.9	1501.3	592.1	319.2	329.7	373.7	377.9	342.2	315.0	289.8	285.6
52.5°	1908.6	1579.0	524.9	296.1	312.9	363.2	361.1	329.7	294.0	266.7	264.6
55°	2032.5	1656.6	436.7	273.0	296.1	348.5	354.8	317.1	268.8	243.6	239.4
57.5°	2122.8	1675.5	348.5	249.9	279.3	331.7	340.1	291.9	252.0	231.0	228.9
60°	2139.6	1602.1	283.5	231.0	256.2	308.7	315.0	277.2	239.4	222.6	218.4
62.5°	2061.9	1461.4	241.5	214.2	237.3	285.6	298.2	260.4	226.8	212.1	210.0
65°	1885.5	1255.6	212.1	199.5	224.7	268.8	283.5	247.8	216.3	203.7	201.6
67.5°	1492.9	963.8	189.0	189.0	207.9	252.0	273.0	239.4	205.8	197.4	195.3
70°	976.4	579.5	172.2	174.3	195.3	237.3	260.4	228.9	193.2	191.1	186.9
72.5°	419.9	266.7	153.3	159.6	176.4	212.1	241.5	214.2	178.5	172.2	165.9
75°	193.2	161.7	138.6	142.8	157.5	186.9	218.4	197.4	165.9	155.4	149.1
77.5°	136.5	117.6	115.5	123.9	134.4	161.7	193.2	184.8	153.3	144.9	140.7
80°	100.8	90.3	96.6	105.0	111.3	149.1	182.7	170.1	140.7	128.1	121.8
82.5°	71.4	67.2	75.6	84.0	90.3	130.2	168.0	149.1	117.6	107.1	96.6
85°	42.0	44.1	52.5	56.7	63.0	96.6	140.7	119.7	90.3	69.3	67.2
87.5°	18.9	18.9	25.2	27.3	31.5	56.7	94.5	75.6	56.7	44.1	42.0
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)