

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: P675047

Luminaire Tested: **CCW-SA-1D-840-U-T3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675047
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1D-840-U-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
T3 distribution lens
Light Source: (16) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

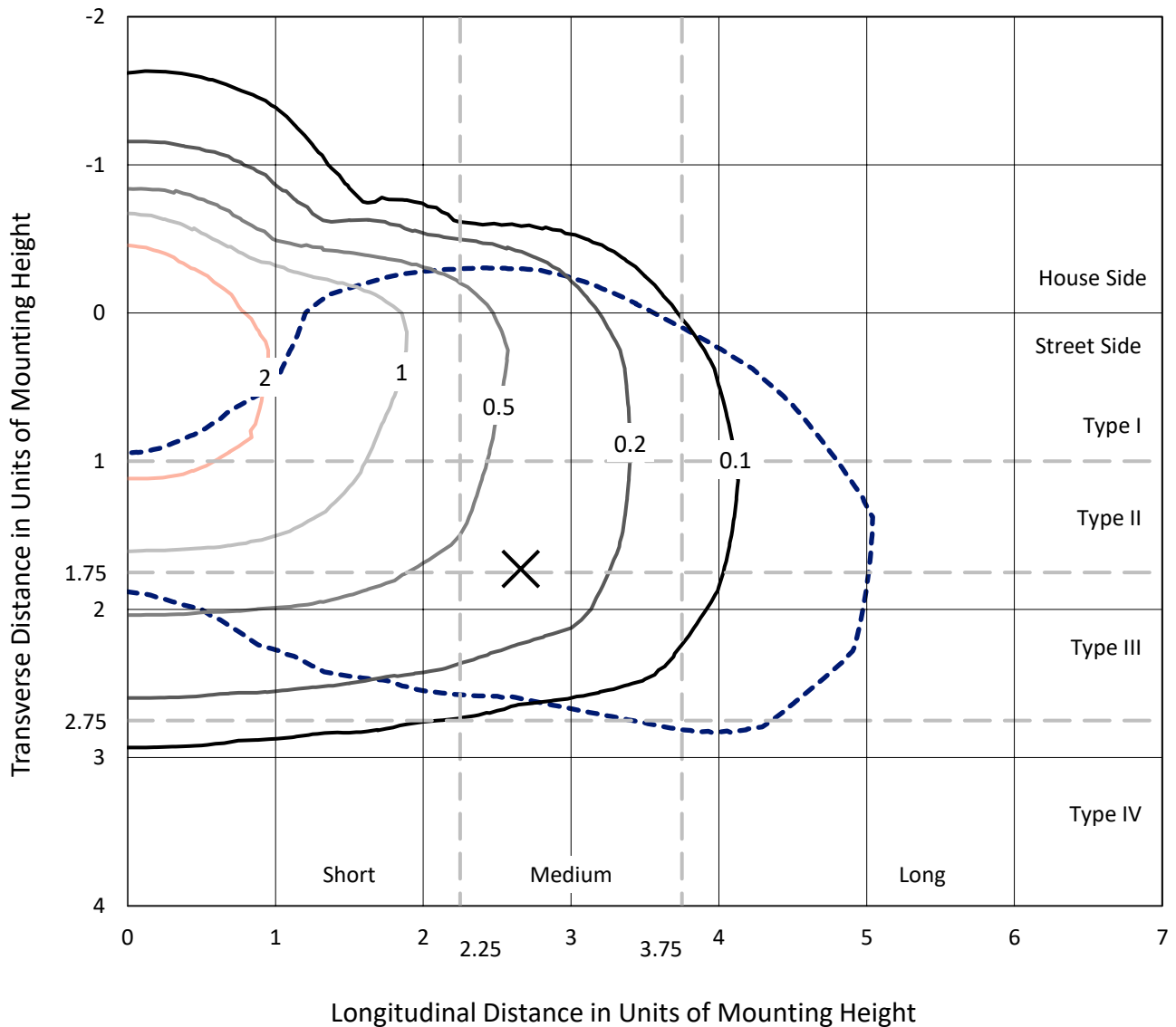
Lumens per Lamp: N/A
Luminaire Lumens: 4804.3 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 44
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

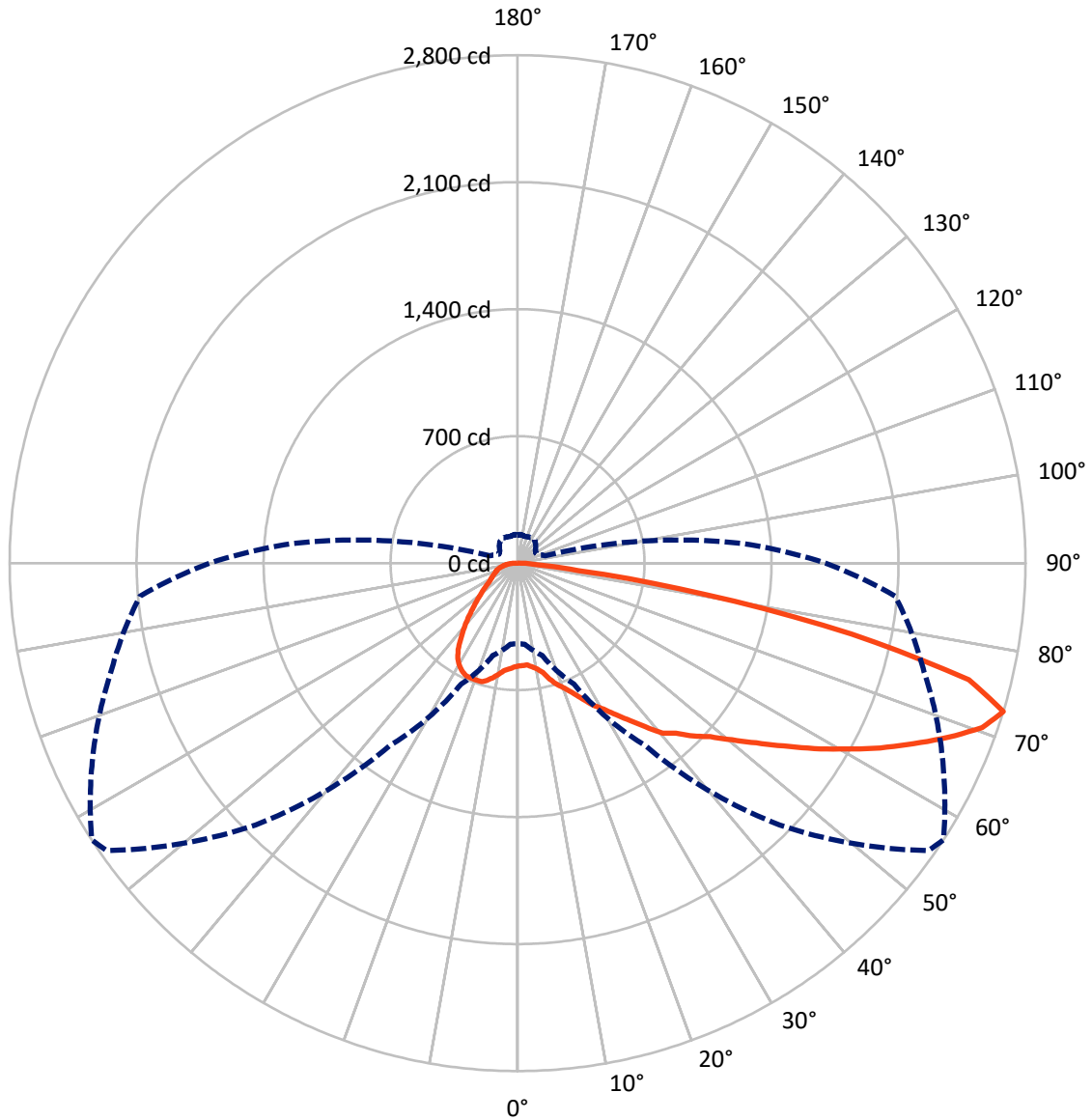
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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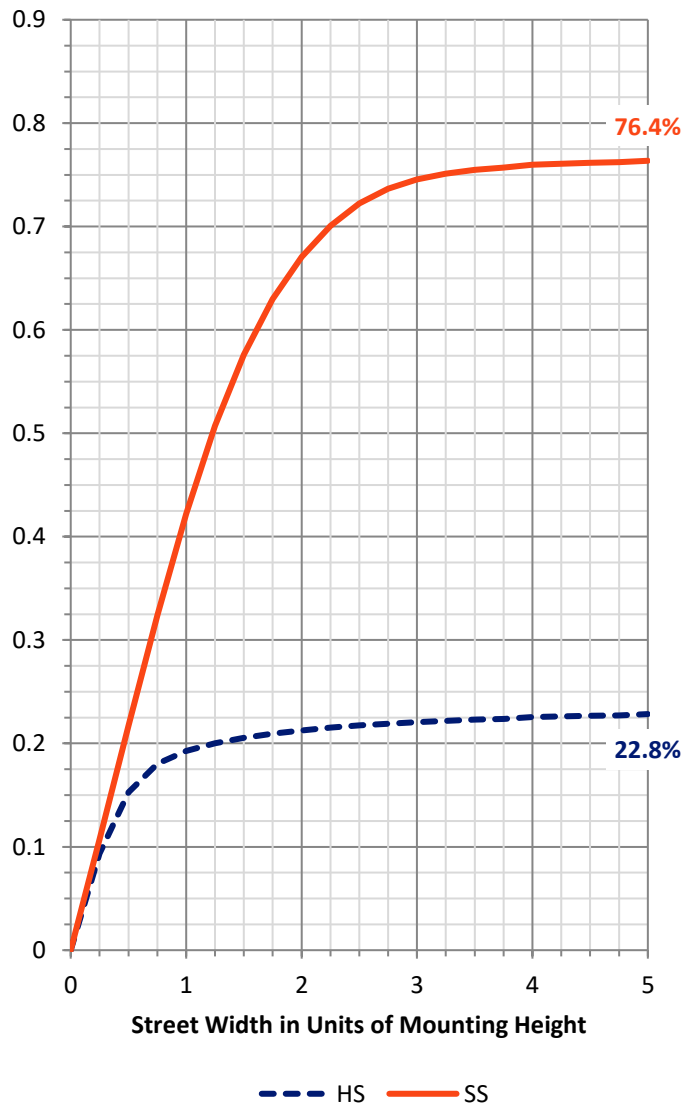
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1122.0	0.0	1122.0
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	3682.3	0.0	3682.3
	% Fixture	76.6	0.0	76.6
Total	Lumens	4804.3	0.0	4804.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.3	1.2
10°-20°	189.7	3.9
20°-30°	346.8	7.2
30°-40°	508.8	10.6
40°-50°	700.5	14.6
50°-60°	960.6	20.0
60°-70°	1157.9	24.1
70°-80°	771.4	16.1
80°-90°	112.4	2.3
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°	4804.3	100.0
0°-180°	4804.3	100.0



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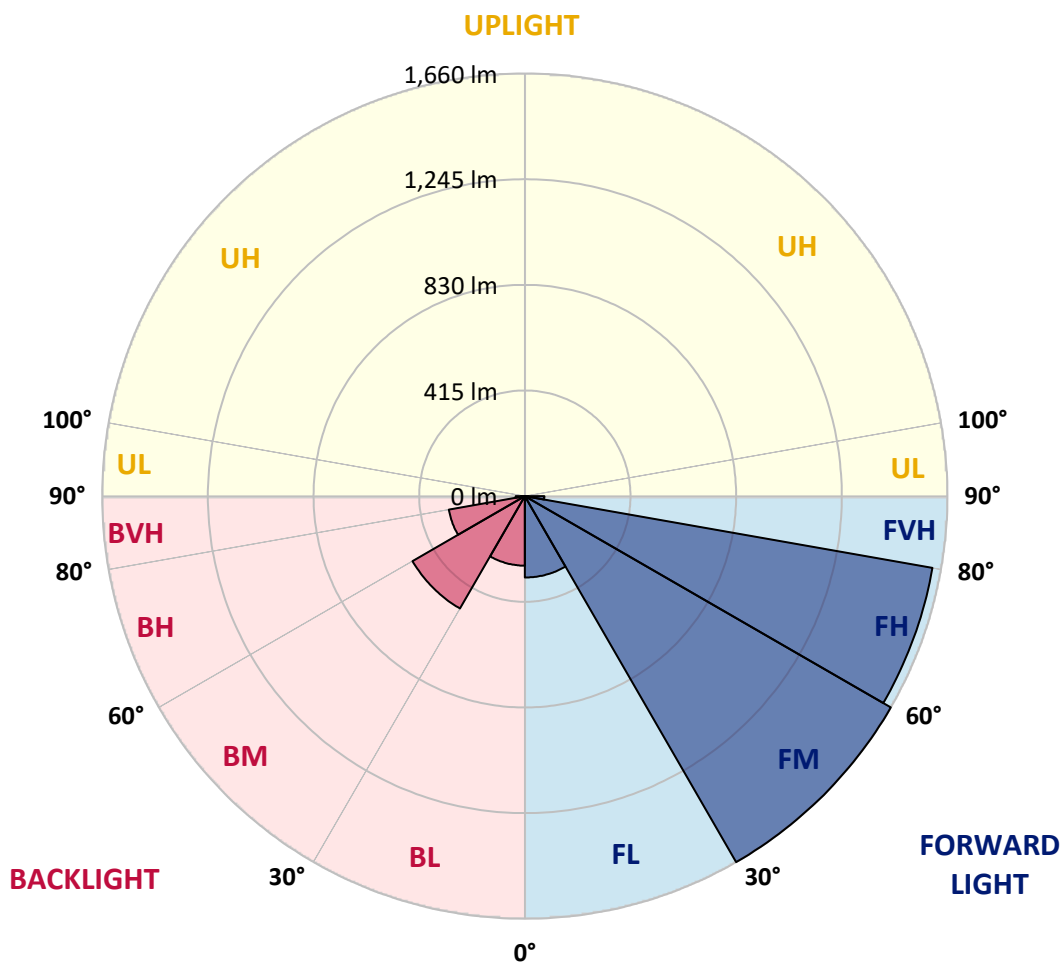
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	319.6	6.7			
FM (30°-60°)	1660.2	34.6			
FH (60°-80°)	1625.9	33.8			G1/1800
FVH (80°-90°)	76.5	1.6			G1/100
BL (0°-30°)	273.2	5.7	B1/500		
BM (30°-60°)	509.6	10.6	B1/1000		
BH (60°-80°)	303.4	6.3	B1/500		G1/500
BVH (80°-90°)	35.9	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-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	567.1	567.1	567.1	567.1	567.1	567.1	567.1	567.1	567.1	567.1	567.1
2.5°	556.6	558.3	561.8	560.1	560.1	554.8	563.6	565.3	561.8	563.6	567.1
5°	556.6	560.1	565.3	561.8	563.6	561.8	558.3	563.6	563.6	565.3	570.6
7.5°	586.3	584.6	584.6	579.3	577.6	575.8	577.6	577.6	574.1	575.8	575.8
10°	619.6	619.6	616.1	616.1	612.6	603.8	595.1	593.3	588.1	589.8	589.8
12.5°	654.6	658.1	661.6	651.1	647.6	633.6	628.3	617.8	617.8	614.3	612.6
15°	698.3	693.1	696.6	693.1	684.3	670.3	661.6	663.3	651.1	647.6	642.3
17.5°	736.8	738.6	733.3	729.8	714.1	703.6	705.3	703.6	687.8	682.6	673.8
20°	782.3	780.6	780.6	770.1	756.1	742.1	736.8	735.1	738.6	728.1	707.1
22.5°	829.6	822.6	822.6	813.8	794.6	785.8	782.3	775.3	778.8	770.1	738.6
25°	868.1	868.1	880.3	862.8	852.3	834.8	827.8	829.6	831.3	813.8	777.1
27.5°	918.8	910.1	922.3	913.6	908.3	889.1	880.3	885.6	882.1	862.8	812.1
30°	983.6	985.3	978.3	966.1	959.1	945.1	939.8	934.6	939.8	915.3	850.6
32.5°	1064.1	1069.3	1051.8	1037.8	1025.6	1011.6	1001.1	995.8	1001.1	964.3	880.3
35°	1156.9	1162.1	1148.1	1132.4	1118.4	1083.4	1074.6	1065.8	1046.6	987.1	908.3
37.5°	1242.6	1235.6	1232.1	1232.1	1205.9	1155.1	1149.9	1144.6	1107.9	1032.6	946.8
40°	1300.4	1309.1	1305.6	1302.1	1298.6	1251.4	1240.9	1232.1	1170.9	1100.9	1001.1
42.5°	1365.1	1359.9	1373.9	1379.1	1366.9	1352.9	1310.9	1281.1	1226.9	1170.9	1081.6
45°	1442.1	1438.6	1443.9	1463.1	1445.6	1450.9	1380.9	1359.9	1291.6	1258.4	1183.1
47.5°	1510.4	1519.1	1545.4	1550.6	1536.6	1561.1	1463.1	1429.9	1386.1	1359.9	1288.1
50°	1540.1	1550.6	1610.2	1646.9	1648.7	1687.2	1545.4	1531.4	1471.9	1482.4	1419.4
52.5°	1515.6	1548.9	1620.7	1716.9	1776.4	1814.9	1653.9	1646.9	1592.6	1625.9	1562.9
55°	1538.4	1569.9	1617.2	1751.9	1902.4	1911.2	1804.4	1778.2	1723.9	1769.4	1711.7
57.5°	1548.9	1531.4	1620.7	1790.4	1995.2	2017.9	1947.9	1928.7	1886.7	1930.4	1897.2
60°	1466.6	1487.6	1571.6	1779.9	2000.4	2131.7	2108.9	2080.9	2042.4	2082.7	2063.4
62.5°	1373.9	1387.9	1478.9	1716.9	2030.2	2214.0	2264.7	2243.7	2189.5	2224.5	2257.7
65°	1256.6	1258.4	1359.9	1604.9	1972.4	2261.2	2401.2	2399.5	2361.0	2352.2	2404.7
67.5°	1113.1	1127.1	1207.6	1485.9	1893.7	2313.7	2536.0	2562.2	2485.2	2417.0	2436.2
70°	854.1	868.1	945.1	1218.1	1732.7	2298.0	2702.3	2716.3	2565.7	2392.5	2343.5
72.5°	444.5	448.0	526.8	735.1	1228.6	2040.7	2763.5	2800.3	2586.7	2320.7	2089.7
75°	147.0	147.0	180.3	280.0	579.3	1305.6	2502.7	2569.2	2483.5	2142.2	1709.9
77.5°	87.5	89.3	106.8	140.0	231.0	521.5	1764.2	1881.4	2031.9	1821.9	1249.6
80°	63.0	64.8	80.5	96.3	138.3	168.0	885.6	1048.3	1247.9	1172.6	666.8
82.5°	47.3	47.3	63.0	71.8	94.5	99.8	246.8	337.8	539.1	420.0	183.8
85°	49.0	49.0	49.0	50.8	64.8	57.8	103.3	110.3	157.5	138.3	50.8
87.5°	17.5	19.3	49.0	33.3	33.3	24.5	40.3	43.8	56.0	57.8	19.3
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°	567.1	567.1	567.1	567.1	567.1	567.1	567.1	567.1	567.1	567.1	567.1
2.5°	568.8	568.8	570.6	570.6	574.1	577.6	582.8	579.3	579.3	581.1	579.3
5°	567.1	568.8	574.1	582.8	586.3	588.1	598.6	598.6	598.6	602.1	602.1
7.5°	574.1	577.6	586.3	595.1	596.8	602.1	616.1	619.6	628.3	631.8	633.6
10°	591.6	596.8	603.8	614.3	621.3	628.3	638.8	651.1	649.3	659.8	661.6
12.5°	617.8	616.1	628.3	638.8	645.8	656.3	659.8	659.8	659.8	659.8	663.3
15°	638.8	642.3	652.8	659.8	668.6	666.8	659.8	652.8	654.6	652.8	652.8
17.5°	670.3	670.3	679.1	680.8	684.3	666.8	656.3	656.3	661.6	661.6	658.1
20°	701.8	700.1	703.6	701.8	679.1	658.1	656.3	658.1	659.8	658.1	656.3
22.5°	731.6	728.1	722.8	715.8	675.6	656.3	652.8	644.1	635.3	635.3	630.1
25°	757.8	754.3	740.3	719.3	673.8	645.8	628.3	607.3	596.8	591.6	598.6
27.5°	782.3	775.3	756.1	719.3	658.1	617.8	584.6	558.3	549.6	542.6	549.6
30°	815.6	803.3	777.1	714.1	633.6	574.1	528.5	497.0	488.3	477.8	481.3
32.5°	845.3	817.3	794.6	698.3	602.1	525.0	472.5	441.0	425.3	416.5	423.5
35°	876.8	848.8	801.6	673.8	553.1	465.5	413.0	383.3	371.0	358.8	358.8
37.5°	908.3	892.6	812.1	628.3	493.5	409.5	362.3	339.5	318.5	295.8	295.8
40°	974.8	953.8	824.3	575.8	434.0	355.3	322.0	292.3	271.3	239.8	238.0
42.5°	1044.8	999.3	824.3	512.8	381.5	316.8	285.3	253.8	215.3	196.0	197.8
45°	1134.1	1081.6	801.6	456.8	329.0	285.3	250.3	210.0	192.5	180.3	180.3
47.5°	1246.1	1163.9	773.6	395.5	287.0	257.3	213.5	189.0	176.8	166.3	164.5
50°	1379.1	1239.1	738.6	343.0	252.0	231.0	194.3	175.0	164.5	157.5	157.5
52.5°	1519.1	1349.4	714.1	295.8	224.0	196.0	180.3	168.0	159.3	154.0	152.3
55°	1660.9	1459.6	696.6	245.0	197.8	180.3	176.8	166.3	162.8	157.5	154.0
57.5°	1820.2	1550.6	693.1	210.0	176.8	173.3	180.3	171.5	166.3	161.0	155.8
60°	1991.7	1673.2	661.6	182.0	166.3	169.8	175.0	166.3	162.8	157.5	154.0
62.5°	2161.5	1764.2	575.8	161.0	155.8	159.3	166.3	159.3	154.0	155.8	157.5
65°	2231.5	1771.2	446.3	145.3	143.5	145.3	155.8	154.0	148.8	159.3	159.3
67.5°	2161.5	1708.2	315.0	131.3	131.3	140.0	157.5	161.0	155.8	169.8	168.0
70°	2002.2	1552.4	213.5	122.5	126.0	148.8	162.8	159.3	152.3	169.8	166.3
72.5°	1699.4	1242.6	155.8	113.8	119.0	141.8	161.0	157.5	152.3	159.3	152.3
75°	1275.9	883.8	122.5	103.3	105.0	127.8	166.3	157.5	143.5	140.0	134.8
77.5°	852.3	546.1	94.5	91.0	91.0	112.0	159.3	147.0	129.5	124.3	122.5
80°	406.0	218.8	75.3	77.0	78.8	96.3	145.3	131.3	117.3	110.3	110.3
82.5°	129.5	82.3	63.0	63.0	63.0	78.8	120.8	110.3	101.5	96.3	87.5
85°	45.5	45.5	54.3	56.0	50.8	57.8	99.8	94.5	84.0	70.0	68.3
87.5°	17.5	26.3	36.8	43.8	31.5	40.3	71.8	66.5	61.3	45.5	43.8
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)