

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: P675059

Luminaire Tested: **CCW-SA-1E-850-U-T3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675059
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-850-U-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/
T3 distribution lens
Light Source: (16) 5000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

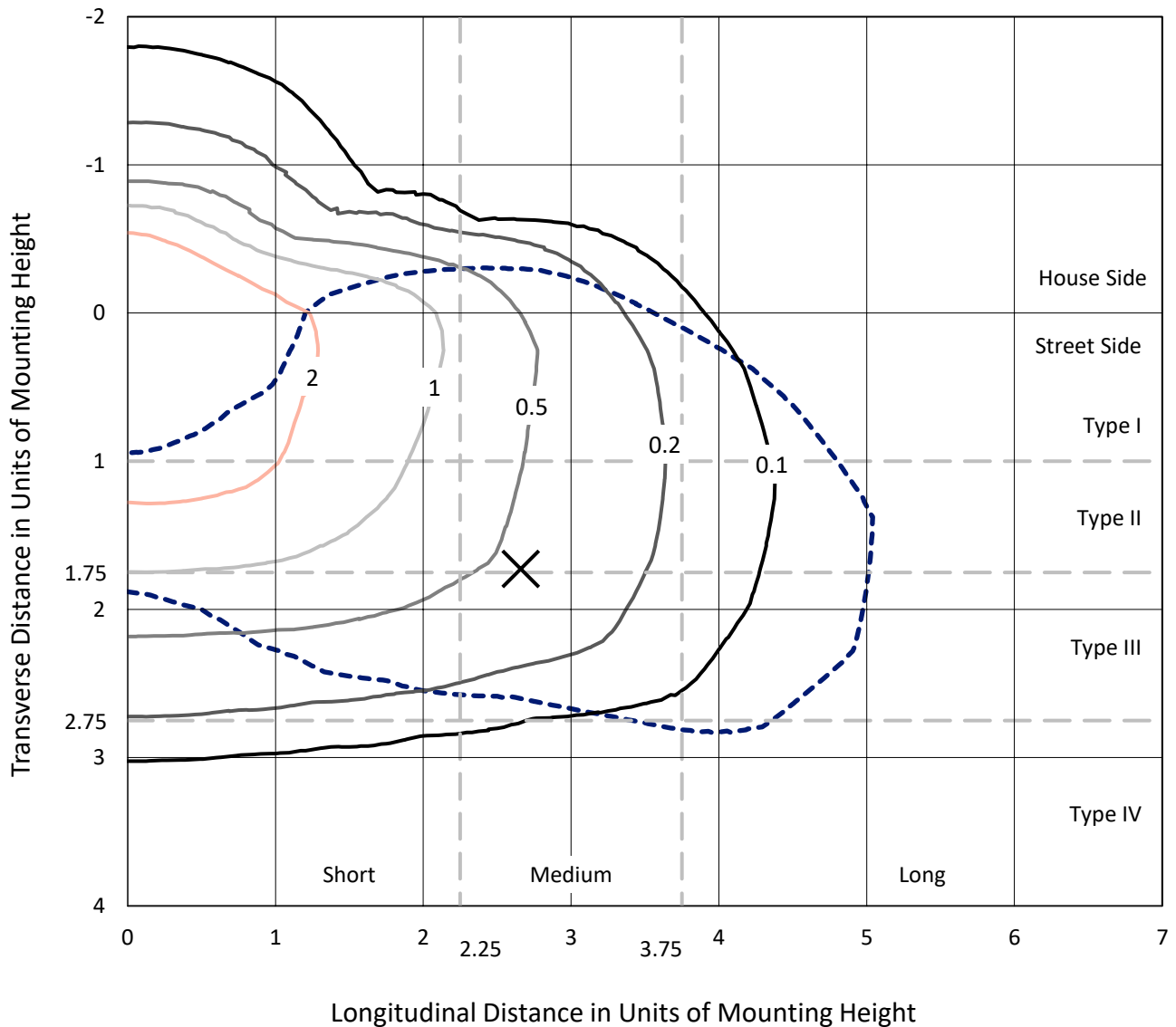
Lumens per Lamp: N/A
Luminaire Lumens: 6027.9 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1
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

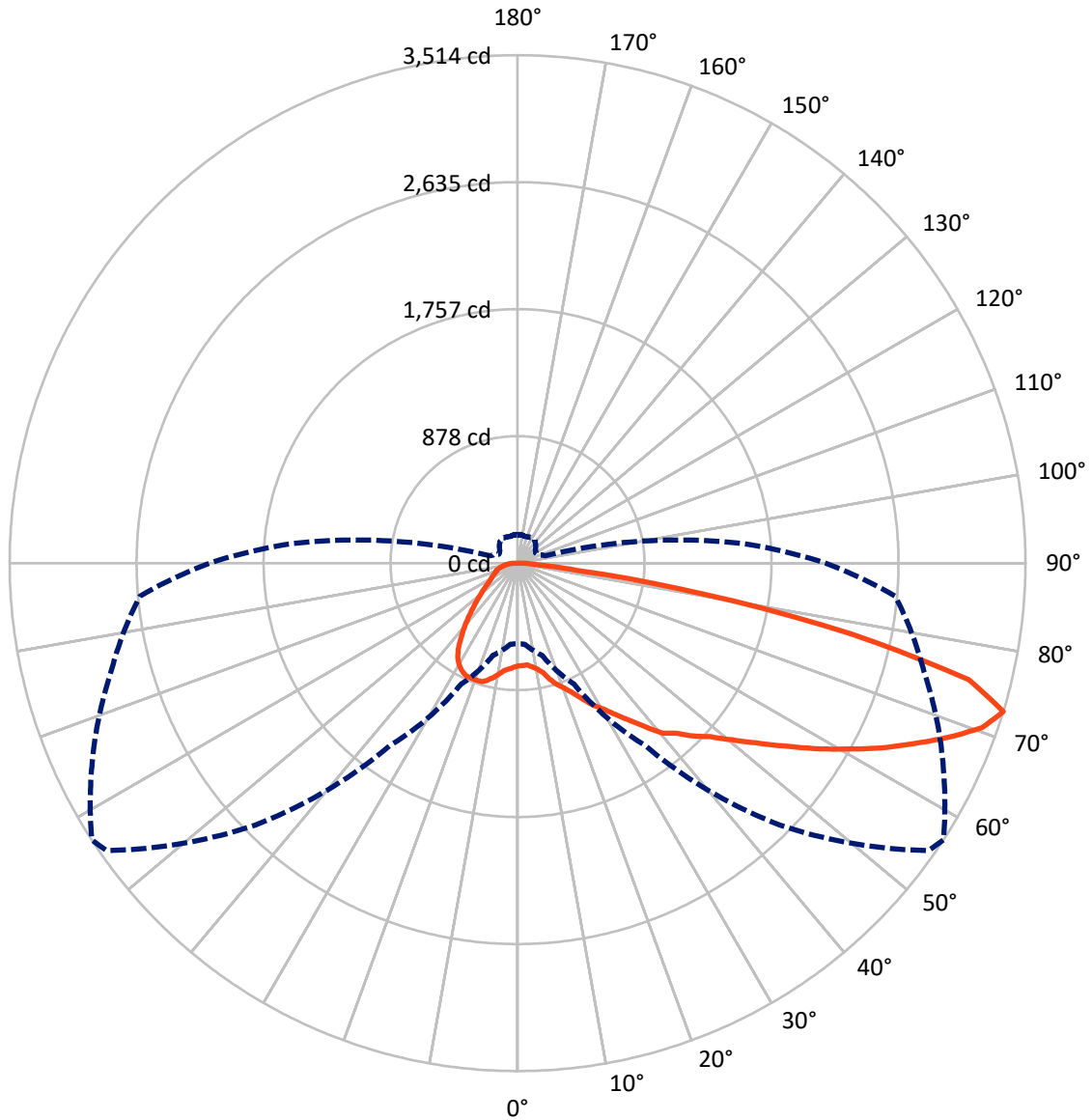
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.6 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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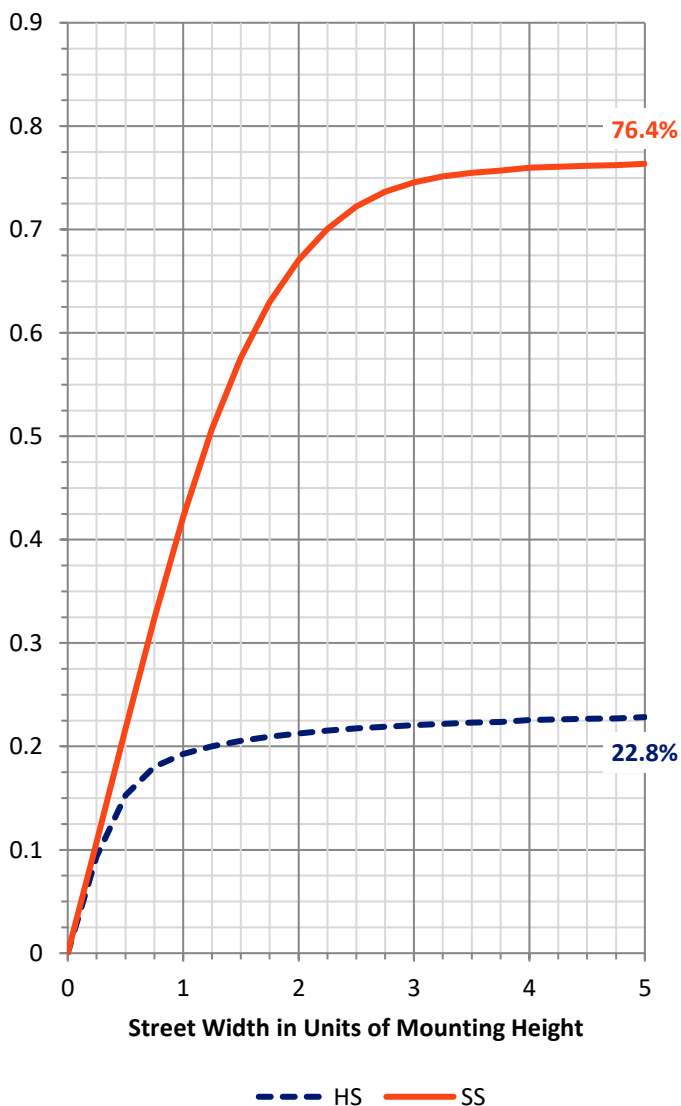
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1407.7	0.0	1407.7
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	4620.2	0.0	4620.2
	% Fixture	76.6	0.0	76.6
Total	Lumens	6027.9	0.0	6027.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.6	1.2
10°-20°	238.0	3.9
20°-30°	435.1	7.2
30°-40°	638.3	10.6
40°-50°	878.9	14.6
50°-60°	1205.3	20.0
60°-70°	1452.9	24.1
70°-80°	967.8	16.1
80°-90°	141.0	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°	6027.9	100.0
0°-180°	6027.9	100.0



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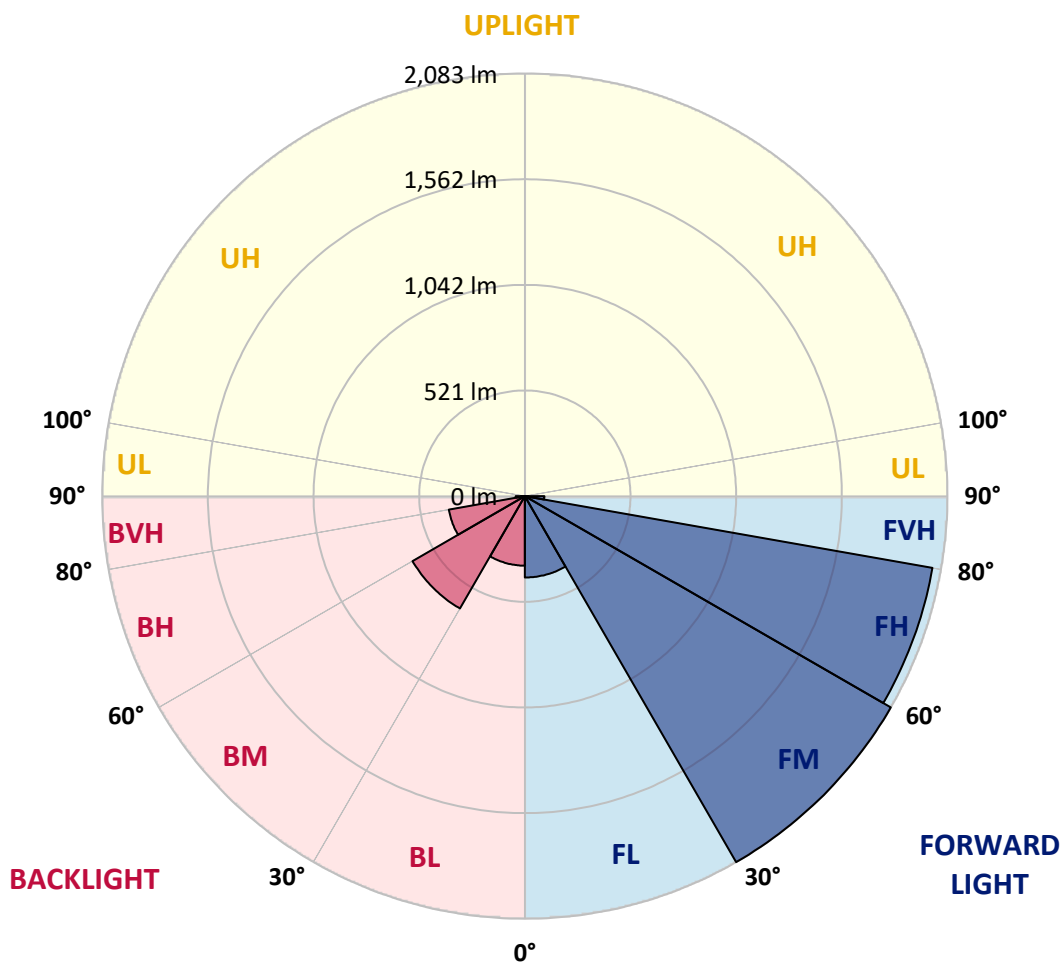
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	401.0	6.7			
FM (30°-60°)	2083.1	34.6			
FH (60°-80°)	2040.1	33.8			G2/5000
FVH (80°-90°)	96.0	1.6			G1/100
BL (0°-30°)	342.7	5.7	B1/500		
BM (30°-60°)	639.4	10.6	B1/1000		
BH (60°-80°)	380.6	6.3	B1/500		G1/500
BVH (80°-90°)	45.0	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	711.5	711.5	711.5	711.5	711.5	711.5	711.5	711.5	711.5	711.5	711.5
2.5°	698.3	700.5	704.9	702.7	702.7	696.1	707.1	709.3	704.9	707.1	711.5
5°	698.3	702.7	709.3	704.9	707.1	704.9	700.5	707.1	707.1	709.3	715.9
7.5°	735.6	733.4	733.4	726.9	724.7	722.5	724.7	724.7	720.3	722.5	722.5
10°	777.4	777.4	773.0	773.0	768.6	757.6	746.6	744.4	737.8	740.0	740.0
12.5°	821.3	825.7	830.1	816.9	812.5	794.9	788.3	775.2	775.2	770.8	768.6
15°	876.2	869.6	874.0	869.6	858.6	841.1	830.1	832.3	816.9	812.5	805.9
17.5°	924.5	926.7	920.1	915.7	896.0	882.8	885.0	882.8	863.0	856.4	845.4
20°	981.6	979.4	979.4	966.2	948.7	931.1	924.5	922.3	926.7	913.5	887.2
22.5°	1040.9	1032.1	1032.1	1021.1	997.0	986.0	981.6	972.8	977.2	966.2	926.7
25°	1089.2	1089.2	1104.6	1082.6	1069.4	1047.5	1038.7	1040.9	1043.1	1021.1	975.0
27.5°	1152.9	1141.9	1157.3	1146.3	1139.7	1115.5	1104.6	1111.2	1106.8	1082.6	1018.9
30°	1234.1	1236.3	1227.5	1212.2	1203.4	1185.8	1179.2	1172.6	1179.2	1148.5	1067.2
32.5°	1335.1	1341.7	1319.8	1302.2	1286.8	1269.3	1256.1	1249.5	1256.1	1210.0	1104.6
35°	1451.5	1458.1	1440.5	1420.8	1403.2	1359.3	1348.3	1337.3	1313.2	1238.5	1139.7
37.5°	1559.1	1550.3	1546.0	1546.0	1513.0	1449.3	1442.7	1436.2	1390.0	1295.6	1188.0
40°	1631.6	1642.6	1638.2	1633.8	1629.4	1570.1	1556.9	1546.0	1469.1	1381.3	1256.1
42.5°	1712.8	1706.3	1723.8	1730.4	1715.0	1697.5	1644.8	1607.4	1539.4	1469.1	1357.1
45°	1809.5	1805.1	1811.7	1835.8	1813.9	1820.4	1732.6	1706.3	1620.6	1578.9	1484.5
47.5°	1895.1	1906.1	1939.0	1945.6	1928.1	1958.8	1835.8	1794.1	1739.2	1706.3	1616.2
50°	1932.4	1945.6	2020.3	2066.4	2068.6	2116.9	1939.0	1921.5	1846.8	1860.0	1780.9
52.5°	1901.7	1943.4	2033.5	2154.2	2228.9	2277.2	2075.2	2066.4	1998.3	2040.0	1961.0
55°	1930.2	1969.8	2029.1	2198.2	2387.0	2398.0	2264.0	2231.1	2163.0	2220.1	2147.6
57.5°	1943.4	1921.5	2033.5	2246.5	2503.4	2531.9	2444.1	2419.9	2367.2	2422.1	2380.4
60°	1840.2	1866.6	1972.0	2233.3	2510.0	2674.7	2646.1	2611.0	2562.7	2613.2	2589.0
62.5°	1723.8	1741.4	1855.6	2154.2	2547.3	2777.9	2841.6	2815.2	2747.1	2791.1	2832.8
65°	1576.7	1578.9	1706.3	2013.7	2474.8	2837.2	3012.9	3010.7	2962.3	2951.4	3017.2
67.5°	1396.6	1414.2	1515.2	1864.4	2376.0	2903.1	3181.9	3214.9	3118.3	3032.6	3056.8
70°	1071.6	1089.2	1185.8	1528.4	2174.0	2883.3	3390.6	3408.1	3219.3	3001.9	2940.4
72.5°	557.8	562.2	661.0	922.3	1541.6	2560.5	3467.4	3513.5	3245.6	2911.8	2622.0
75°	184.5	184.5	226.2	351.4	726.9	1638.2	3140.2	3223.7	3116.1	2687.9	2145.4
77.5°	109.8	112.0	134.0	175.7	289.9	654.4	2213.5	2360.7	2549.5	2286.0	1567.9
80°	79.1	81.3	101.0	120.8	173.5	210.8	1111.2	1315.4	1565.7	1471.3	836.7
82.5°	59.3	59.3	79.1	90.0	118.6	125.2	309.6	423.8	676.4	527.0	230.6
85°	61.5	61.5	61.5	63.7	81.3	72.5	129.6	138.3	197.6	173.5	63.7
87.5°	22.0	24.2	61.5	41.7	41.7	30.7	50.5	54.9	70.3	72.5	24.2
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°	711.5	711.5	711.5	711.5	711.5	711.5	711.5	711.5	711.5	711.5	711.5
2.5°	713.7	713.7	715.9	715.9	720.3	724.7	731.3	726.9	726.9	729.1	726.9
5°	711.5	713.7	720.3	731.3	735.6	737.8	751.0	751.0	751.0	755.4	755.4
7.5°	720.3	724.7	735.6	746.6	748.8	755.4	773.0	777.4	788.3	792.7	794.9
10°	742.2	748.8	757.6	770.8	779.6	788.3	801.5	816.9	814.7	827.9	830.1
12.5°	775.2	773.0	788.3	801.5	810.3	823.5	827.9	827.9	827.9	827.9	832.3
15°	801.5	805.9	819.1	827.9	838.9	836.7	827.9	819.1	821.3	819.1	819.1
17.5°	841.1	841.1	852.0	854.2	858.6	836.7	823.5	823.5	830.1	830.1	825.7
20°	880.6	878.4	882.8	880.6	852.0	825.7	823.5	825.7	827.9	825.7	823.5
22.5°	917.9	913.5	906.9	898.1	847.6	823.5	819.1	808.1	797.1	797.1	790.5
25°	950.8	946.5	928.9	902.5	845.4	810.3	788.3	762.0	748.8	742.2	751.0
27.5°	981.6	972.8	948.7	902.5	825.7	775.2	733.4	700.5	689.5	680.7	689.5
30°	1023.3	1007.9	975.0	896.0	794.9	720.3	663.2	623.7	612.7	599.5	603.9
32.5°	1060.6	1025.5	997.0	876.2	755.4	658.8	592.9	553.4	533.6	522.6	531.4
35°	1100.2	1065.0	1005.7	845.4	693.9	584.1	518.2	480.9	465.5	450.2	450.2
37.5°	1139.7	1119.9	1018.9	788.3	619.3	513.9	454.6	426.0	399.7	371.1	371.1
40°	1223.1	1196.8	1034.3	722.5	544.6	445.8	404.1	366.7	340.4	300.8	298.7
42.5°	1311.0	1253.9	1034.3	643.4	478.7	397.5	357.9	318.4	270.1	245.9	248.1
45°	1423.0	1357.1	1005.7	573.1	412.8	357.9	314.0	263.5	241.6	226.2	226.2
47.5°	1563.5	1460.3	970.6	496.3	360.1	322.8	267.9	237.2	221.8	208.6	206.4
50°	1730.4	1554.7	926.7	430.4	316.2	289.9	243.8	219.6	206.4	197.6	197.6
52.5°	1906.1	1693.1	896.0	371.1	281.1	245.9	226.2	210.8	199.8	193.2	191.0
55°	2084.0	1831.4	874.0	307.4	248.1	226.2	221.8	208.6	204.2	197.6	193.2
57.5°	2283.8	1945.6	869.6	263.5	221.8	217.4	226.2	215.2	208.6	202.0	195.4
60°	2499.0	2099.3	830.1	228.4	208.6	213.0	219.6	208.6	204.2	197.6	193.2
62.5°	2712.0	2213.5	722.5	202.0	195.4	199.8	208.6	199.8	193.2	195.4	197.6
65°	2799.8	2222.3	560.0	182.3	180.1	182.3	195.4	193.2	186.7	199.8	199.8
67.5°	2712.0	2143.3	395.3	164.7	164.7	175.7	197.6	202.0	195.4	213.0	210.8
70°	2512.2	1947.8	267.9	153.7	158.1	186.7	204.2	199.8	191.0	213.0	208.6
72.5°	2132.3	1559.1	195.4	142.7	149.3	177.9	202.0	197.6	191.0	199.8	191.0
75°	1600.9	1109.0	153.7	129.6	131.8	160.3	208.6	197.6	180.1	175.7	169.1
77.5°	1069.4	685.1	118.6	114.2	114.2	140.5	199.8	184.5	162.5	155.9	153.7
80°	509.5	274.5	94.4	96.6	98.8	120.8	182.3	164.7	147.1	138.3	138.3
82.5°	162.5	103.2	79.1	79.1	79.1	98.8	151.5	138.3	127.4	120.8	109.8
85°	57.1	57.1	68.1	70.3	63.7	72.5	125.2	118.6	105.4	87.8	85.6
87.5°	22.0	32.9	46.1	54.9	39.5	50.5	90.0	83.4	76.9	57.1	54.9
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)