

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: P674854

Luminaire Tested: **CCW-SA-2D-750-U-T2**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P674854
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2D-750-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
T2 distribution lens
Light Source: (32) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

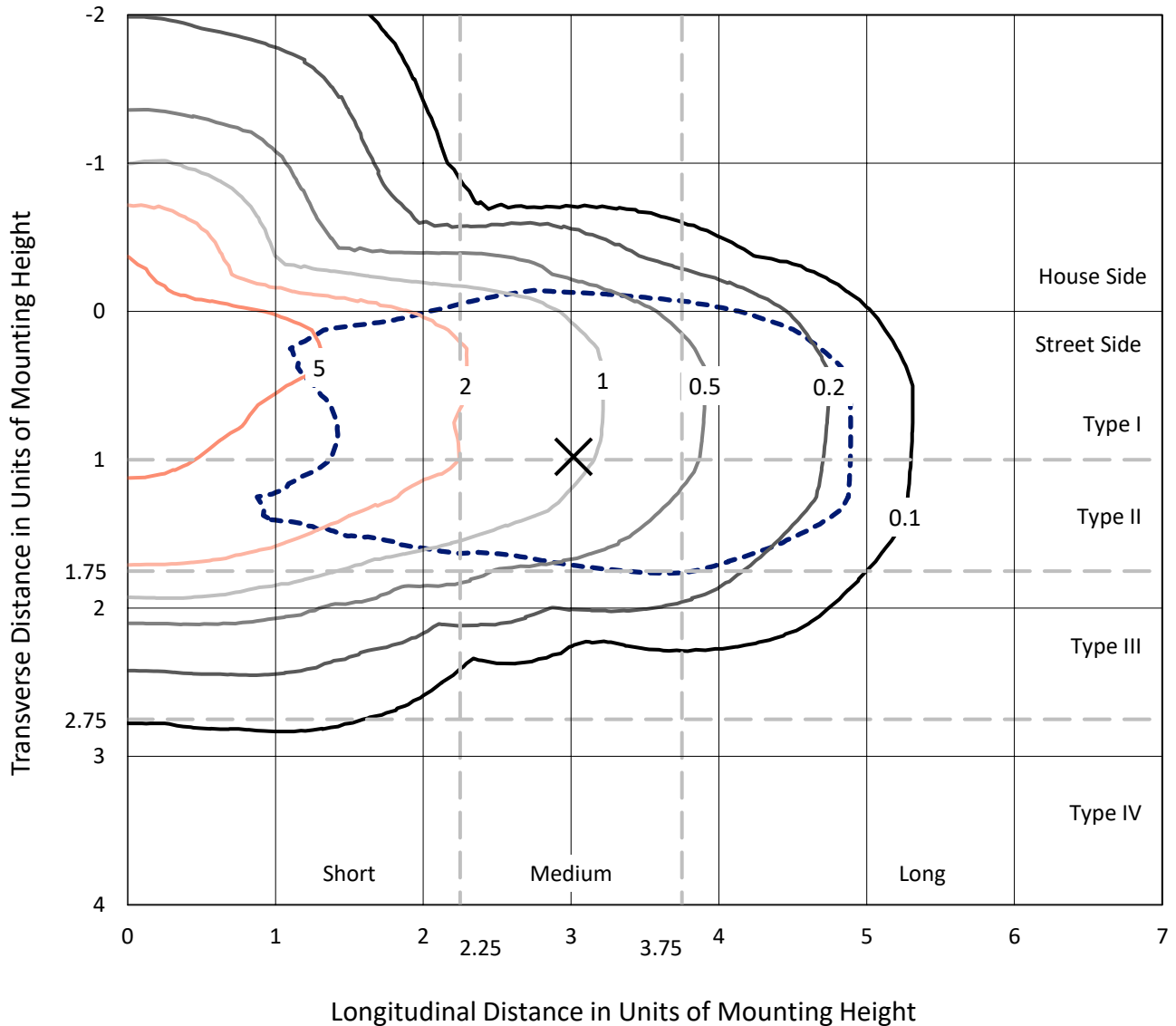
Lumens per Lamp: N/A
Luminaire Lumens: 11379.7 lumens
Efficiency: N/A
Efficacy: 140.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 80.8
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

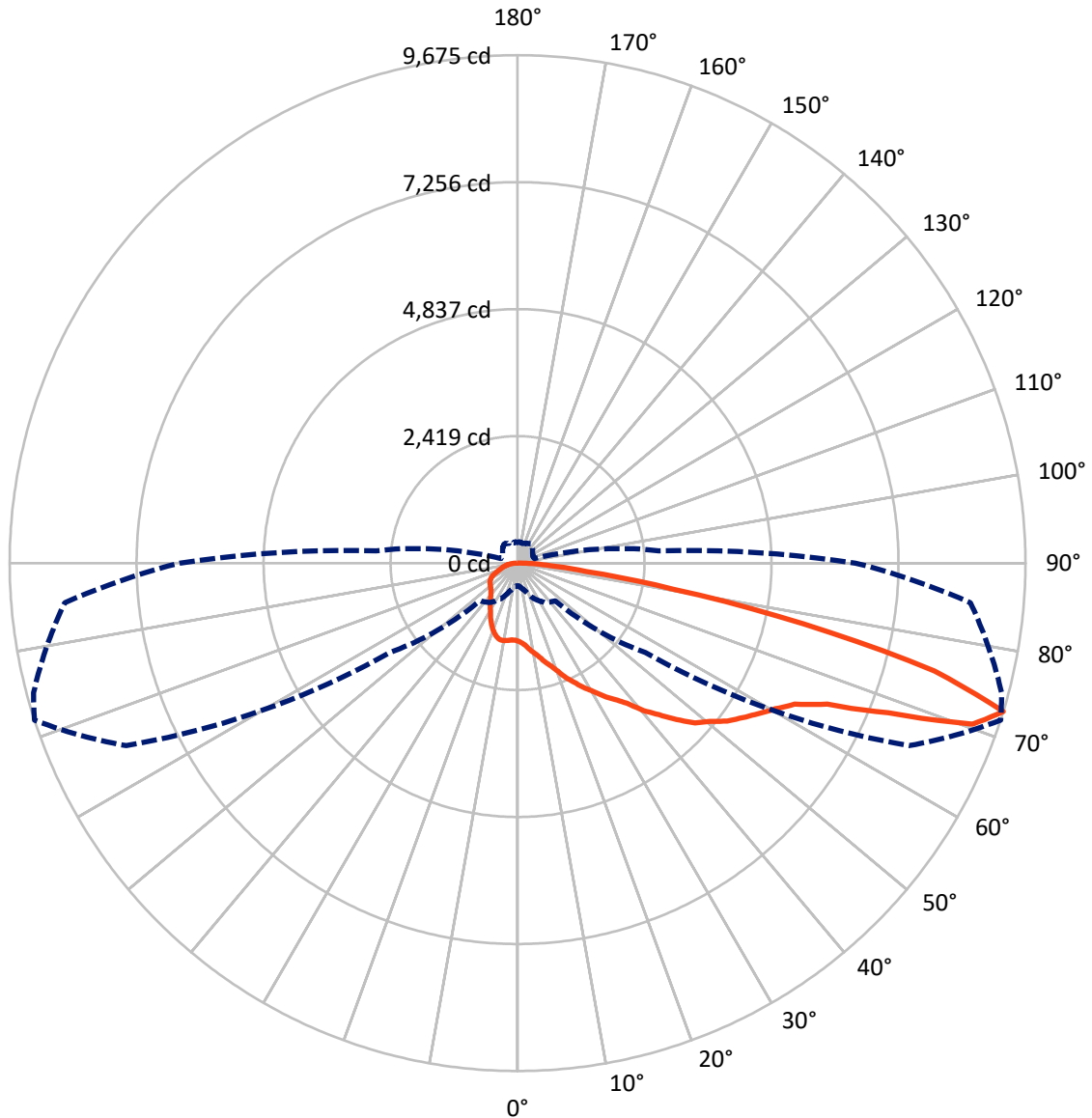
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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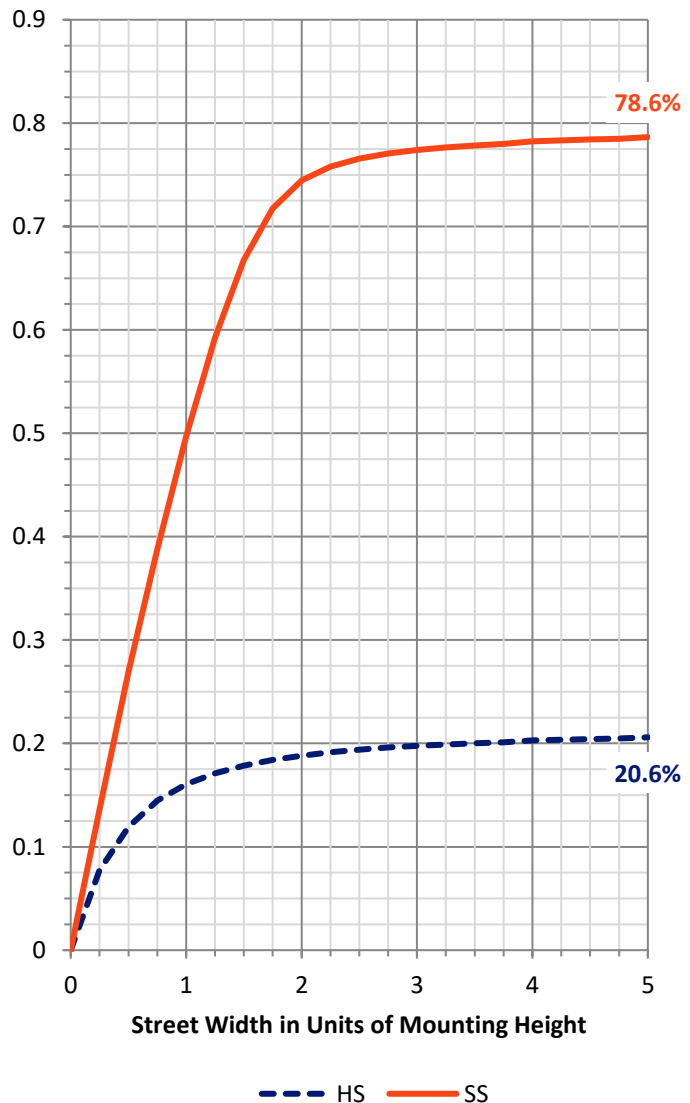
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2394.9	0.0	2394.9
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	8984.8	0.0	8984.8
	% Fixture	79.0	0.0	79.0
Total	Lumens	11379.7	0.0	11379.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.0	1.3
10°-20°	456.7	4.0
20°-30°	790.2	6.9
30°-40°	1167.2	10.3
40°-50°	1735.8	15.3
50°-60°	2379.6	20.9
60°-70°	2581.2	22.7
70°-80°	1819.8	16.0
80°-90°	302.4	2.7
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°	11379.7	100.0
0°-180°	11379.7	100.0



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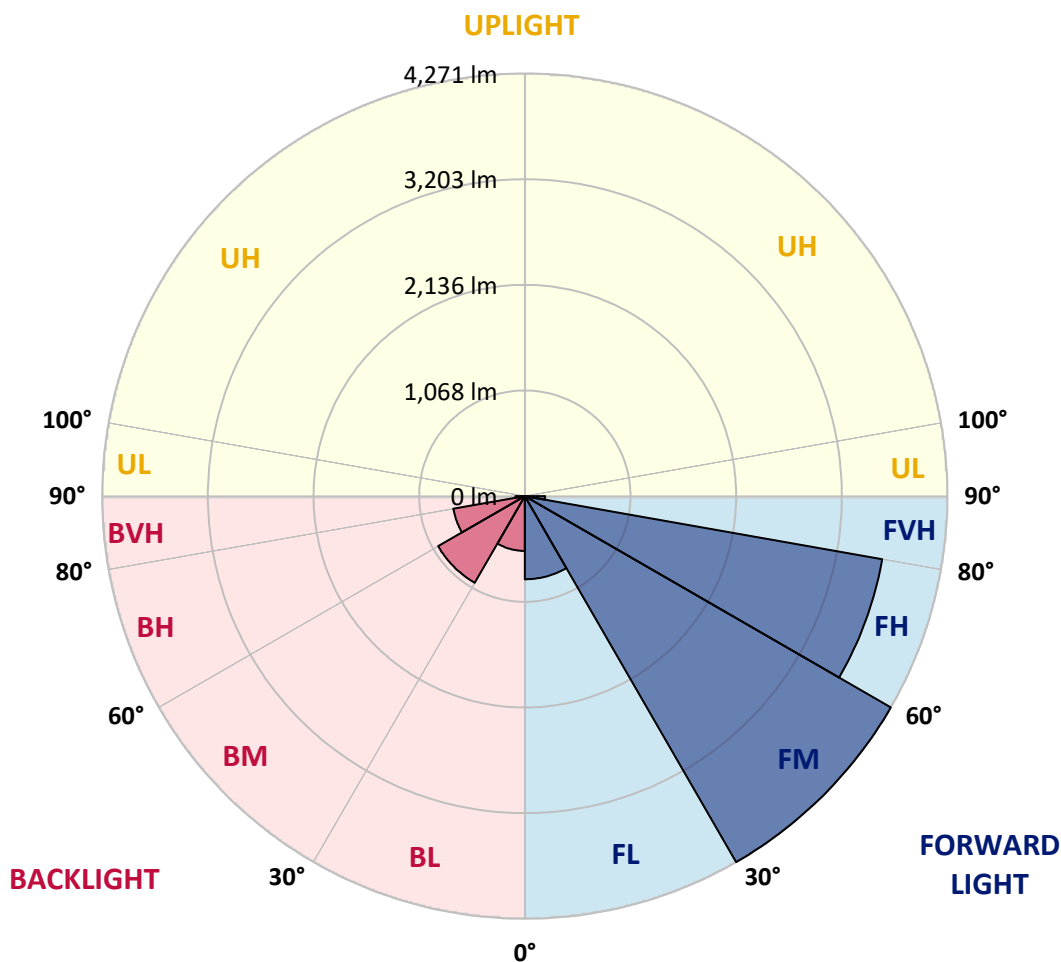
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	840.3	7.4			
FM (30°-60°)	4271.0	37.5			
FH (60°-80°)	3667.3	32.2			G2/5000
FVH (80°-90°)	206.1	1.8			G2/225
BL (0°-30°)	553.5	4.9	B2/1000		
BM (30°-60°)	1011.5	8.9	B2/2500		
BH (60°-80°)	733.6	6.4	B2/1000		G2/1000
BVH (80°-90°)	96.2	0.8			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5
2.5°	1604.1	1604.1	1591.5	1587.3	1587.3	1553.7	1557.9	1536.9	1520.1	1520.1	1503.3
5°	1688.1	1679.7	1679.7	1679.7	1658.7	1646.1	1641.9	1604.1	1574.7	1578.9	1528.5
7.5°	1709.1	1713.3	1717.5	1738.5	1725.9	1734.3	1725.9	1683.9	1662.9	1641.9	1595.7
10°	1721.7	1730.1	1730.1	1759.5	1759.5	1780.4	1793.0	1776.3	1738.5	1717.5	1641.9
12.5°	1751.1	1738.5	1755.3	1776.3	1797.2	1835.0	1872.8	1856.0	1830.8	1805.6	1721.7
15°	1751.1	1755.3	1767.9	1801.4	1835.0	1872.8	1940.0	1965.2	1952.6	1906.4	1818.2
17.5°	1700.7	1688.1	1746.9	1809.8	1872.8	1919.0	2007.2	2066.0	2057.6	2040.8	1906.4
20°	1704.9	1717.5	1738.5	1793.0	1893.8	1977.8	2087.0	2183.6	2204.6	2196.2	2024.0
22.5°	1780.4	1784.6	1805.6	1830.8	1910.6	2019.8	2183.6	2338.9	2376.7	2355.7	2154.2
25°	1856.0	1889.6	1889.6	1906.4	1935.8	2049.2	2246.6	2464.9	2519.5	2523.7	2288.6
27.5°	1977.8	1986.2	2011.4	2019.8	2045.0	2112.2	2317.9	2557.3	2683.3	2666.5	2410.3
30°	2120.6	2124.8	2141.6	2133.2	2137.4	2221.4	2385.1	2662.3	2834.4	2838.6	2540.5
32.5°	2288.6	2322.1	2330.5	2276.0	2284.4	2305.3	2490.1	2788.3	3023.4	2994.0	2653.9
35°	2536.3	2548.9	2523.7	2498.5	2435.5	2422.9	2599.3	2914.2	3187.2	3220.8	2821.8
37.5°	2842.8	2876.4	2842.8	2708.5	2641.3	2590.9	2733.7	3052.8	3384.5	3497.9	2989.8
40°	3128.4	3124.2	3090.6	2968.8	2851.2	2813.4	2926.8	3246.0	3691.1	3800.3	3233.4
42.5°	3359.3	3346.7	3325.7	3233.4	3124.2	3061.2	3149.4	3447.5	3947.2	4157.2	3514.7
45°	3560.9	3544.1	3548.3	3443.3	3338.3	3371.9	3371.9	3678.5	4249.6	4509.9	3838.0
47.5°	3749.9	3758.3	3745.7	3665.9	3586.1	3674.3	3628.1	3943.0	4547.7	4837.4	4111.0
50°	3968.2	3985.0	3943.0	3892.6	3821.2	3909.4	3850.6	4190.8	4740.9	5135.6	4438.5
52.5°	4174.0	4190.8	4228.6	4165.6	4094.2	4165.6	4031.2	4421.7	4997.0	5425.3	4690.5
55°	4224.4	4216.0	4425.9	4493.1	4530.9	4316.8	4190.8	4619.1	5198.6	5610.1	4976.0
57.5°	3993.4	4014.4	4300.0	4493.1	4896.2	4711.5	4371.3	4850.0	5408.5	5853.6	5240.6
60°	3418.1	3430.7	3787.7	4245.4	4833.2	5081.0	4858.4	5148.2	5639.5	6059.4	5538.7
62.5°	2284.4	2380.9	2826.0	3544.1	4388.1	5181.8	5635.3	5652.1	5920.8	6319.8	5946.0
65°	1205.2	1251.4	1599.9	2179.4	3325.7	4833.2	6365.9	6651.5	6483.5	6798.5	6533.9
67.5°	789.4	806.2	995.2	1322.7	1919.0	3527.3	6449.9	8385.8	7613.1	7709.7	7474.5
70°	587.9	596.3	734.9	978.4	1188.4	1885.4	5286.8	9196.2	9192.0	8935.8	8591.5
72.5°	432.5	445.1	541.7	747.5	915.4	1016.2	2973.0	8226.2	9674.9	9544.7	8658.7
75°	340.1	348.5	398.9	579.5	739.1	667.7	1507.5	6093.0	8205.2	8830.9	7923.8
77.5°	277.1	285.5	314.9	419.9	592.1	516.5	722.3	3930.4	5563.9	6357.5	6063.6
80°	231.0	231.0	252.0	298.1	457.7	390.5	428.3	2208.8	2998.2	3308.9	2750.5
82.5°	197.4	193.2	210.0	218.4	340.1	281.3	277.1	999.4	1318.5	1398.3	1033.0
85°	126.0	130.2	197.4	189.0	222.6	193.2	155.4	474.5	621.5	634.1	386.3
87.5°	50.4	50.4	84.0	105.0	126.0	117.6	75.6	214.2	272.9	272.9	109.2
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°	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5	1486.5
2.5°	1499.1	1482.3	1469.7	1461.3	1440.3	1419.3	1423.5	1419.3	1402.5	1394.1	1394.1
5°	1515.9	1499.1	1478.1	1444.5	1423.5	1398.3	1406.7	1389.9	1373.1	1385.7	1364.7
7.5°	1557.9	1528.5	1499.1	1448.7	1415.1	1377.3	1360.5	1352.1	1339.5	1331.1	1331.1
10°	1616.7	1574.7	1520.1	1444.5	1389.9	1331.1	1322.7	1305.9	1293.3	1293.3	1289.1
12.5°	1675.5	1629.3	1536.9	1415.1	1322.7	1280.7	1276.5	1280.7	1289.1	1293.3	1297.5
15°	1751.1	1675.5	1532.7	1360.5	1268.2	1251.4	1272.3	1289.1	1305.9	1322.7	1318.5
17.5°	1822.4	1734.3	1494.9	1293.3	1222.0	1226.2	1264.0	1297.5	1331.1	1347.9	1352.1
20°	1919.0	1788.8	1440.3	1213.6	1175.8	1213.6	1264.0	1305.9	1343.7	1364.7	1368.9
22.5°	2028.2	1851.8	1368.9	1142.2	1138.0	1175.8	1226.2	1289.1	1331.1	1368.9	1364.7
25°	2124.8	1893.8	1276.5	1083.4	1091.8	1117.0	1175.8	1243.0	1284.9	1326.9	1314.3
27.5°	2187.8	1902.2	1180.0	1041.4	1041.4	1066.6	1121.2	1163.2	1201.0	1234.6	1238.8
30°	2259.2	1885.4	1070.8	986.8	986.8	1020.4	1041.4	1066.6	1087.6	1096.0	1104.4
32.5°	2343.1	1847.6	1003.6	944.8	944.8	970.0	982.6	974.2	970.0	949.0	961.6
35°	2422.9	1793.0	928.0	890.2	907.0	919.6	915.4	890.2	865.0	827.2	814.6
37.5°	2519.5	1738.5	860.8	831.4	860.8	865.0	865.0	835.6	802.0	755.9	755.9
40°	2666.5	1696.5	806.2	793.6	823.0	818.8	797.8	776.8	789.4	764.2	764.2
42.5°	2821.8	1679.7	755.9	760.1	772.6	776.8	755.9	730.7	781.0	751.7	755.9
45°	3015.0	1692.3	722.3	718.1	747.5	743.3	730.7	709.7	726.5	650.9	629.9
47.5°	3195.6	1717.5	705.5	688.7	722.3	730.7	713.9	667.7	642.5	596.3	587.9
50°	3359.3	1772.1	688.7	655.1	688.7	705.5	676.1	625.7	596.3	566.9	566.9
52.5°	3514.7	1851.8	680.3	617.3	646.7	667.7	650.9	600.5	566.9	554.3	541.7
55°	3674.3	1923.2	667.7	592.1	600.5	642.5	638.3	571.1	537.5	537.5	533.3
57.5°	3901.0	2019.8	650.9	550.1	566.9	613.1	613.1	558.5	520.7	524.9	529.1
60°	4132.0	2133.2	634.1	508.1	520.7	583.7	592.1	541.7	508.1	512.3	508.1
62.5°	4501.5	2343.1	600.5	457.7	482.9	545.9	566.9	520.7	491.3	499.7	499.7
65°	5060.0	2704.3	529.1	415.7	445.1	512.3	541.7	499.7	466.1	491.3	482.9
67.5°	5958.6	3199.8	445.1	382.1	419.9	478.7	512.3	474.5	445.1	482.9	470.3
70°	6764.9	3443.3	382.1	352.7	382.1	440.9	478.7	449.3	419.9	457.7	440.9
72.5°	6437.3	2700.1	331.7	319.1	348.5	398.9	445.1	415.7	386.3	407.3	390.5
75°	5555.5	2150.0	289.7	285.5	310.7	361.1	407.3	386.3	356.9	365.3	356.9
77.5°	4211.8	1776.3	247.8	243.6	264.5	323.3	365.3	348.5	319.1	314.9	314.9
80°	1881.2	873.4	205.8	205.8	218.4	277.1	310.7	302.3	272.9	268.7	264.5
82.5°	617.3	331.7	168.0	159.6	176.4	231.0	277.1	268.7	239.4	231.0	222.6
85°	247.8	159.6	121.8	121.8	138.6	193.2	247.8	231.0	193.2	172.2	172.2
87.5°	84.0	67.2	63.0	63.0	88.2	130.2	184.8	155.4	138.6	121.8	126.0
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)