

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: P674950

Luminaire Tested: **CCW-SA-1F-727-U-T3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P674950
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1F-727-U-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/
T3 distribution lens
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6335.4 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

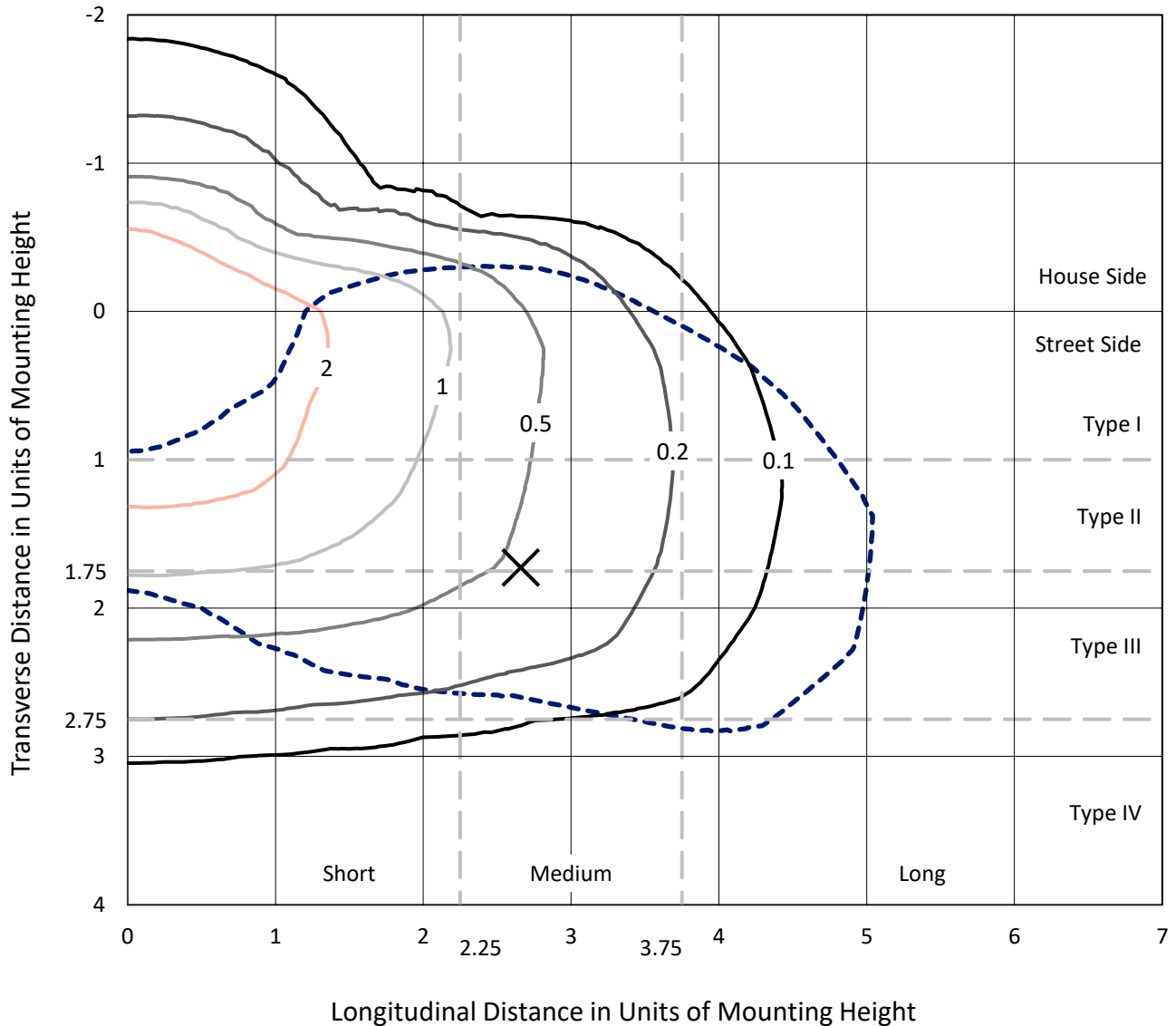
Input Watts (W): 67
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

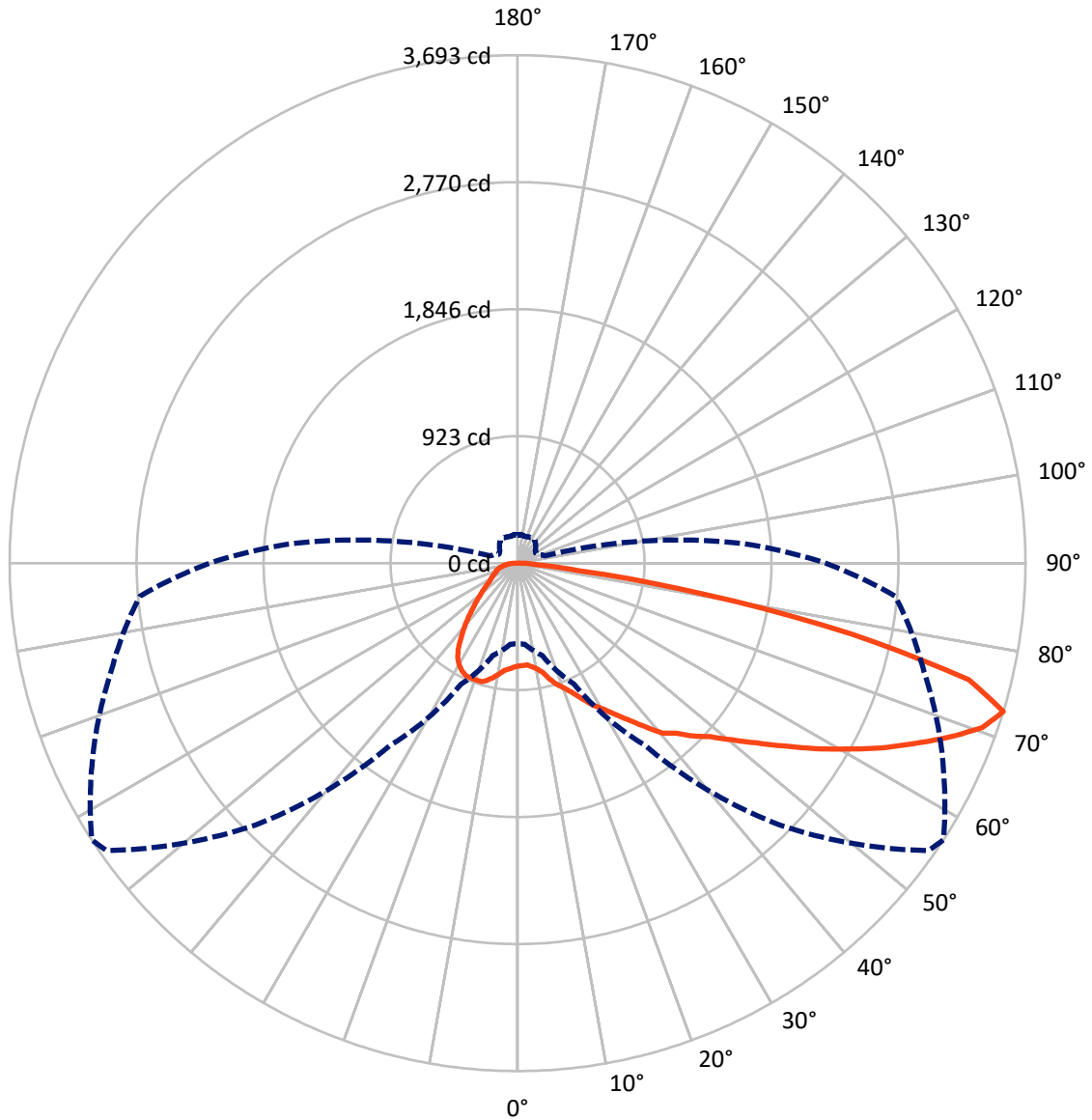
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.8 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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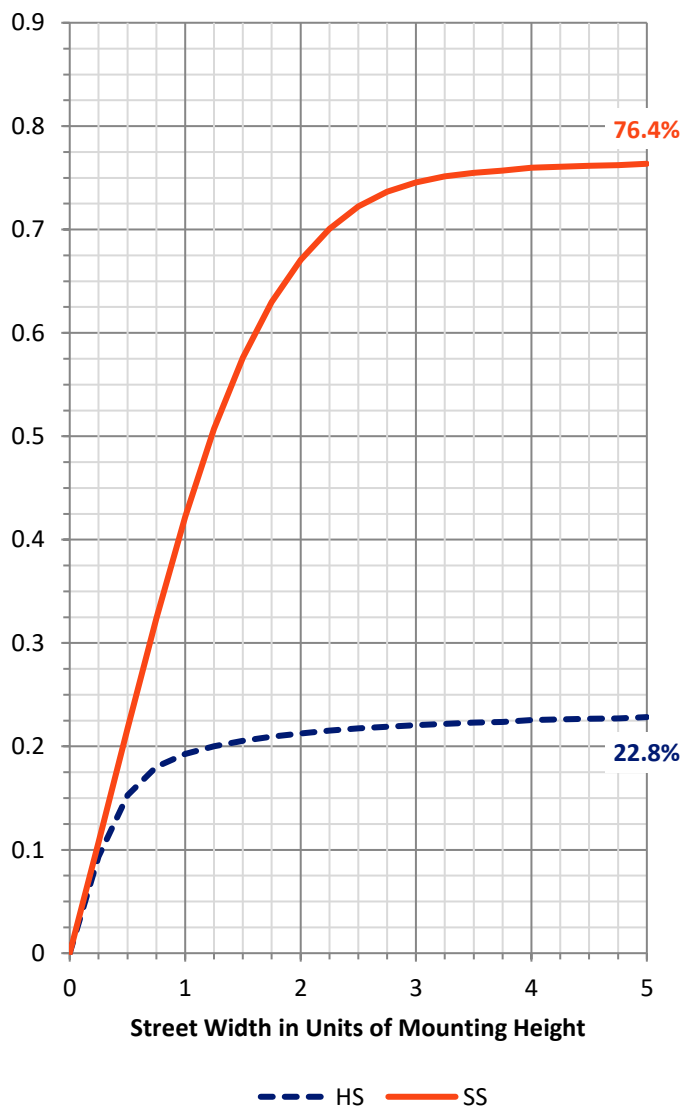
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1479.5	0.0	1479.5
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	4855.9	0.0	4855.9
	% Fixture	76.6	0.0	76.6
Total	Lumens	6335.4	0.0	6335.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.2	1.2
10°-20°	250.2	3.9
20°-30°	457.3	7.2
30°-40°	670.9	10.6
40°-50°	923.7	14.6
50°-60°	1266.8	20.0
60°-70°	1527.0	24.1
70°-80°	1017.2	16.1
80°-90°	148.2	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°	6335.4	100.0
0°-180°	6335.4	100.0



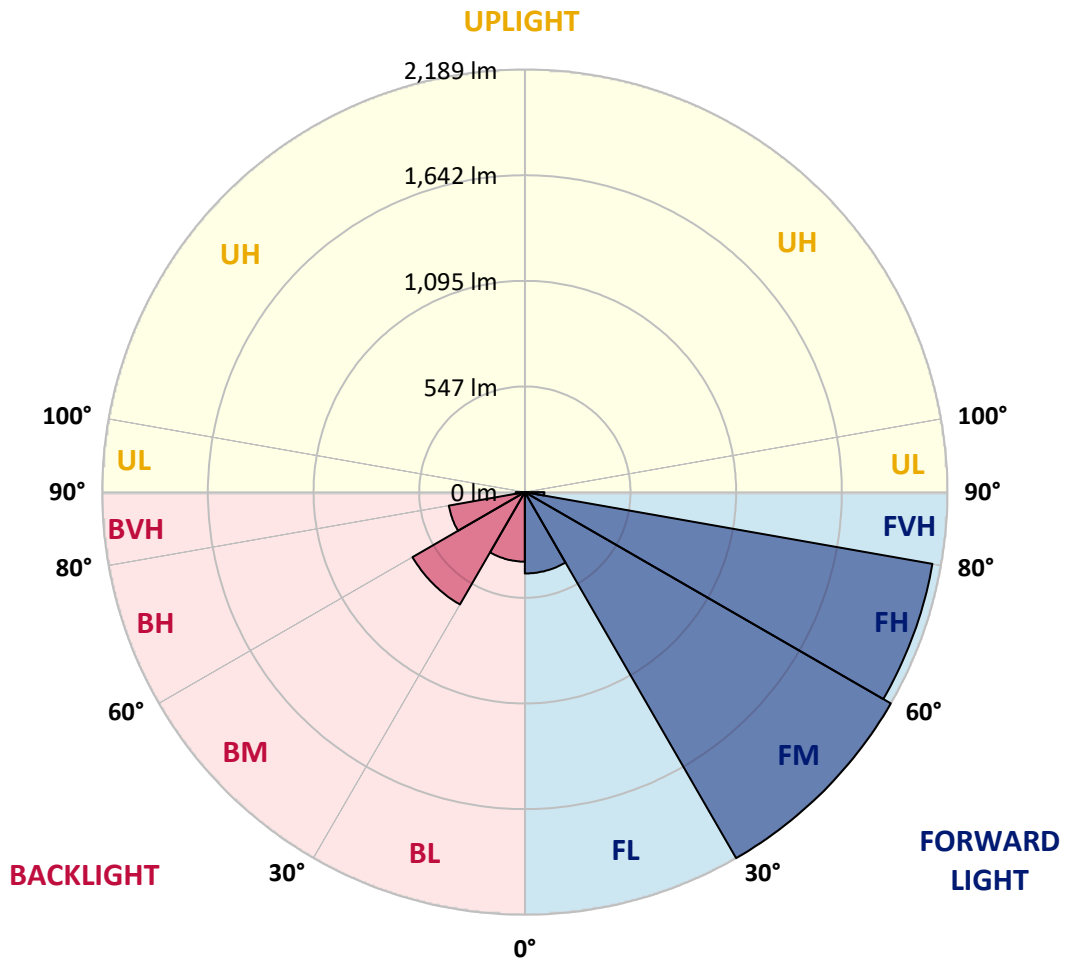
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	421.5	6.7			
FM (30°-60°)	2189.4	34.6			
FH (60°-80°)	2144.1	33.8			G2/5000
FVH (80°-90°)	100.9	1.6			G2/225
BL (0°-30°)	360.2	5.7	B1/500		
BM (30°-60°)	672.0	10.6	B1/1000		
BH (60°-80°)	400.0	6.3	B1/500		G1/500
BVH (80°-90°)	47.3	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°	747.8	747.8	747.8	747.8	747.8	747.8	747.8	747.8	747.8	747.8	747.8
2.5°	733.9	736.2	740.9	738.5	738.5	731.6	743.2	745.5	740.9	743.2	747.8
5°	733.9	738.5	745.5	740.9	743.2	740.9	736.2	743.2	743.2	745.5	752.4
7.5°	773.2	770.9	770.9	763.9	761.6	759.3	761.6	761.6	757.0	759.3	759.3
10°	817.0	817.0	812.4	812.4	807.8	796.2	784.7	782.4	775.5	777.8	777.8
12.5°	863.2	867.8	872.4	858.6	853.9	835.5	828.6	814.7	814.7	810.1	807.8
15°	920.9	914.0	918.6	914.0	902.4	884.0	872.4	874.7	858.6	853.9	847.0
17.5°	971.7	974.0	967.0	962.4	941.7	927.8	930.1	927.8	907.0	900.1	888.6
20°	1031.7	1029.4	1029.4	1015.5	997.0	978.6	971.7	969.3	974.0	960.1	932.4
22.5°	1094.0	1084.7	1084.7	1073.2	1047.8	1036.3	1031.7	1022.4	1027.0	1015.5	974.0
25°	1144.8	1144.8	1160.9	1137.8	1124.0	1100.9	1091.7	1094.0	1096.3	1073.2	1024.7
27.5°	1211.7	1200.1	1216.3	1204.8	1197.8	1172.4	1160.9	1167.8	1163.2	1137.8	1070.9
30°	1297.1	1299.4	1290.2	1274.0	1264.8	1246.3	1239.4	1232.5	1239.4	1207.1	1121.7
32.5°	1403.2	1410.2	1387.1	1368.6	1352.5	1334.0	1320.2	1313.2	1320.2	1271.7	1160.9
35°	1525.6	1532.5	1514.0	1493.3	1474.8	1428.6	1417.1	1405.6	1380.2	1301.7	1197.8
37.5°	1638.7	1629.4	1624.8	1624.8	1590.2	1523.3	1516.3	1509.4	1460.9	1361.7	1248.6
40°	1714.8	1726.4	1721.7	1717.1	1712.5	1650.2	1636.3	1624.8	1544.0	1451.7	1320.2
42.5°	1800.2	1793.3	1811.8	1818.7	1802.5	1784.1	1728.7	1689.4	1617.9	1544.0	1426.3
45°	1901.8	1897.1	1904.1	1929.5	1906.4	1913.3	1821.0	1793.3	1703.3	1659.4	1560.2
47.5°	1991.8	2003.3	2037.9	2044.9	2026.4	2058.7	1929.5	1885.6	1827.9	1793.3	1698.7
50°	2031.0	2044.9	2123.3	2171.8	2174.1	2224.9	2037.9	2019.5	1941.0	1954.8	1871.8
52.5°	1998.7	2042.6	2137.2	2264.1	2342.6	2393.4	2181.0	2171.8	2100.3	2144.1	2061.0
55°	2028.7	2070.2	2132.6	2310.3	2508.8	2520.3	2379.5	2344.9	2273.3	2333.4	2257.2
57.5°	2042.6	2019.5	2137.2	2361.1	2631.1	2661.1	2568.8	2543.4	2488.0	2545.7	2501.8
60°	1934.1	1961.8	2072.6	2347.2	2638.0	2811.1	2781.1	2744.2	2693.4	2746.5	2721.1
62.5°	1811.8	1830.2	1950.2	2264.1	2677.2	2919.6	2986.5	2958.8	2887.3	2933.4	2977.3
65°	1657.1	1659.4	1793.3	2116.4	2601.1	2981.9	3166.5	3164.2	3113.4	3101.9	3171.1
67.5°	1467.9	1486.3	1592.5	1959.5	2497.2	3051.1	3344.2	3378.9	3277.3	3187.3	3212.7
70°	1126.3	1144.8	1246.3	1606.3	2284.9	3030.4	3563.5	3582.0	3383.5	3155.0	3090.4
72.5°	586.2	590.8	694.7	969.3	1620.2	2691.1	3644.3	3692.7	3411.2	3060.4	2755.7
75°	193.9	193.9	237.7	369.3	763.9	1721.7	3300.4	3388.1	3275.0	2825.0	2254.9
77.5°	115.4	117.7	140.8	184.6	304.7	687.8	2326.4	2481.1	2679.6	2402.6	1647.9
80°	83.1	85.4	106.2	126.9	182.3	221.6	1167.8	1382.5	1645.6	1546.3	879.3
82.5°	62.3	62.3	83.1	94.6	124.6	131.6	325.4	445.4	710.9	553.9	242.3
85°	64.6	64.6	64.6	66.9	85.4	76.2	136.2	145.4	207.7	182.3	66.9
87.5°	23.1	25.4	64.6	43.9	43.9	32.3	53.1	57.7	73.9	76.2	25.4
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°	747.8	747.8	747.8	747.8	747.8	747.8	747.8	747.8	747.8	747.8	747.8
2.5°	750.1	750.1	752.4	752.4	757.0	761.6	768.6	763.9	763.9	766.2	763.9
5°	747.8	750.1	757.0	768.6	773.2	775.5	789.3	789.3	789.3	793.9	793.9
7.5°	757.0	761.6	773.2	784.7	787.0	793.9	812.4	817.0	828.6	833.2	835.5
10°	780.1	787.0	796.2	810.1	819.3	828.6	842.4	858.6	856.3	870.1	872.4
12.5°	814.7	812.4	828.6	842.4	851.6	865.5	870.1	870.1	870.1	870.1	874.7
15°	842.4	847.0	860.9	870.1	881.6	879.3	870.1	860.9	863.2	860.9	860.9
17.5°	884.0	884.0	895.5	897.8	902.4	879.3	865.5	865.5	872.4	872.4	867.8
20°	925.5	923.2	927.8	925.5	895.5	867.8	865.5	867.8	870.1	867.8	865.5
22.5°	964.7	960.1	953.2	944.0	890.9	865.5	860.9	849.3	837.8	837.8	830.9
25°	999.4	994.7	976.3	948.6	888.6	851.6	828.6	800.9	787.0	780.1	789.3
27.5°	1031.7	1022.4	997.0	948.6	867.8	814.7	770.9	736.2	724.7	715.5	724.7
30°	1075.5	1059.4	1024.7	941.7	835.5	757.0	697.0	655.5	643.9	630.1	634.7
32.5°	1114.7	1077.8	1047.8	920.9	793.9	692.4	623.2	581.6	560.8	549.3	558.5
35°	1156.3	1119.4	1057.0	888.6	729.3	613.9	544.7	505.4	489.3	473.1	473.1
37.5°	1197.8	1177.1	1070.9	828.6	650.8	540.1	477.7	447.7	420.1	390.0	390.0
40°	1285.5	1257.8	1087.1	759.3	572.4	468.5	424.7	385.4	357.7	316.2	313.9
42.5°	1377.9	1317.8	1087.1	676.2	503.1	417.7	376.2	334.7	283.9	258.5	260.8
45°	1495.6	1426.3	1057.0	602.4	433.9	376.2	330.0	277.0	253.9	237.7	237.7
47.5°	1643.3	1534.8	1020.1	521.6	378.5	339.3	281.6	249.3	233.1	219.3	216.9
50°	1818.7	1634.0	974.0	452.4	332.3	304.7	256.2	230.8	216.9	207.7	207.7
52.5°	2003.3	1779.4	941.7	390.0	295.4	258.5	237.7	221.6	210.0	203.1	200.8
55°	2190.3	1924.8	918.6	323.1	260.8	237.7	233.1	219.3	214.6	207.7	203.1
57.5°	2400.3	2044.9	914.0	277.0	233.1	228.5	237.7	226.2	219.3	212.3	205.4
60°	2626.5	2206.4	872.4	240.0	219.3	223.9	230.8	219.3	214.6	207.7	203.1
62.5°	2850.3	2326.4	759.3	212.3	205.4	210.0	219.3	210.0	203.1	205.4	207.7
65°	2942.7	2335.7	588.5	191.6	189.3	191.6	205.4	203.1	196.2	210.0	210.0
67.5°	2850.3	2252.6	415.4	173.1	173.1	184.6	207.7	212.3	205.4	223.9	221.6
70°	2640.3	2047.2	281.6	161.6	166.2	196.2	214.6	210.0	200.8	223.9	219.3
72.5°	2241.0	1638.7	205.4	150.0	156.9	186.9	212.3	207.7	200.8	210.0	200.8
75°	1682.5	1165.5	161.6	136.2	138.5	168.5	219.3	207.7	189.3	184.6	177.7
77.5°	1124.0	720.1	124.6	120.0	120.0	147.7	210.0	193.9	170.8	163.9	161.6
80°	535.4	288.5	99.2	101.6	103.9	126.9	191.6	173.1	154.6	145.4	145.4
82.5°	170.8	108.5	83.1	83.1	83.1	103.9	159.2	145.4	133.9	126.9	115.4
85°	60.0	60.0	71.5	73.9	66.9	76.2	131.6	124.6	110.8	92.3	90.0
87.5°	23.1	34.6	48.5	57.7	41.5	53.1	94.6	87.7	80.8	60.0	57.7
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)