

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: P674839

Luminaire Tested: **CCW-SA-1F-740-U-T2**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P674839
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1F-740-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/
T2 distribution lens
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7479 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 67
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

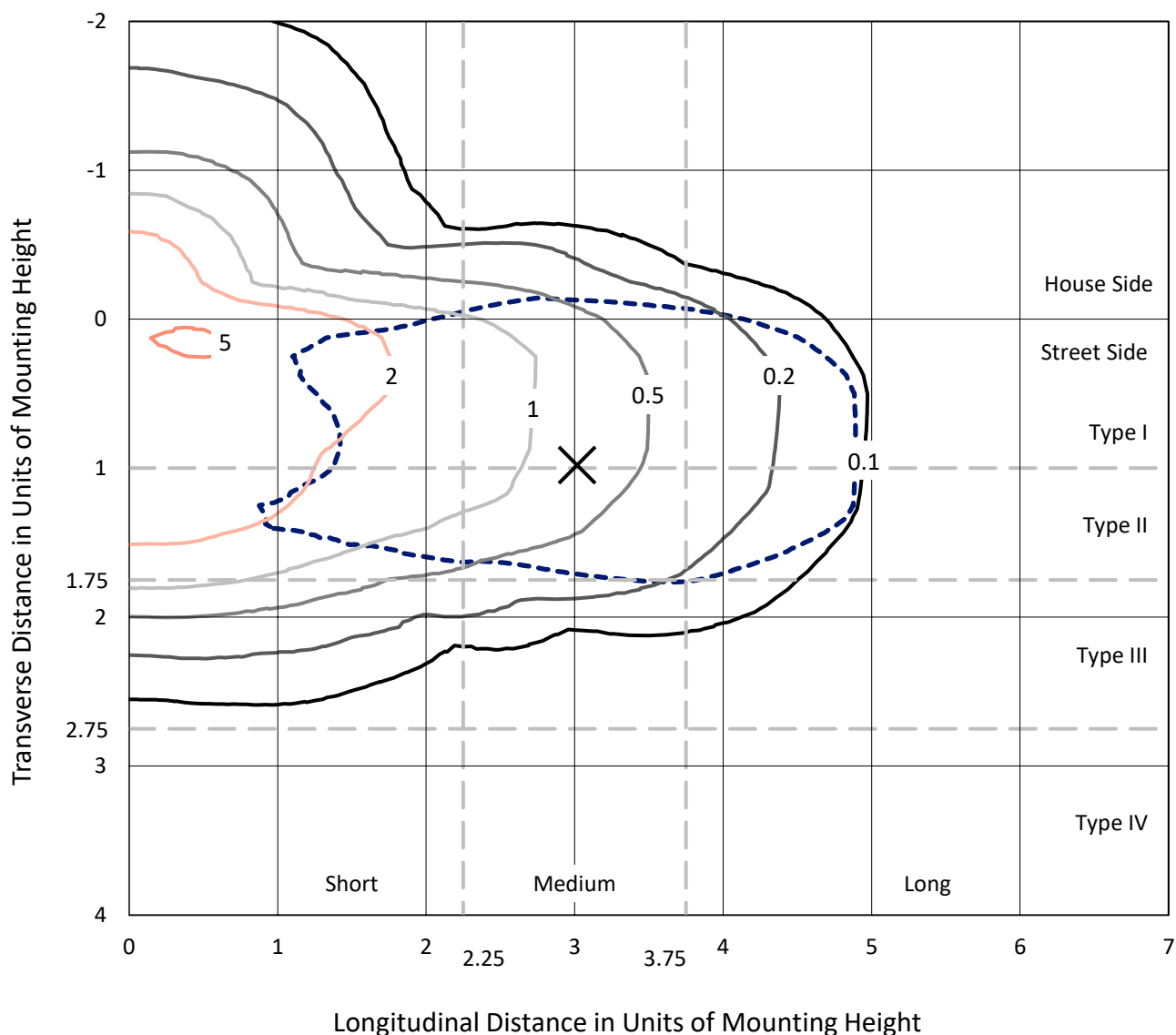
REPORT NUMBER: P674839

CATALOG NUMBER: CCW-SA-1F-740-U-T2

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

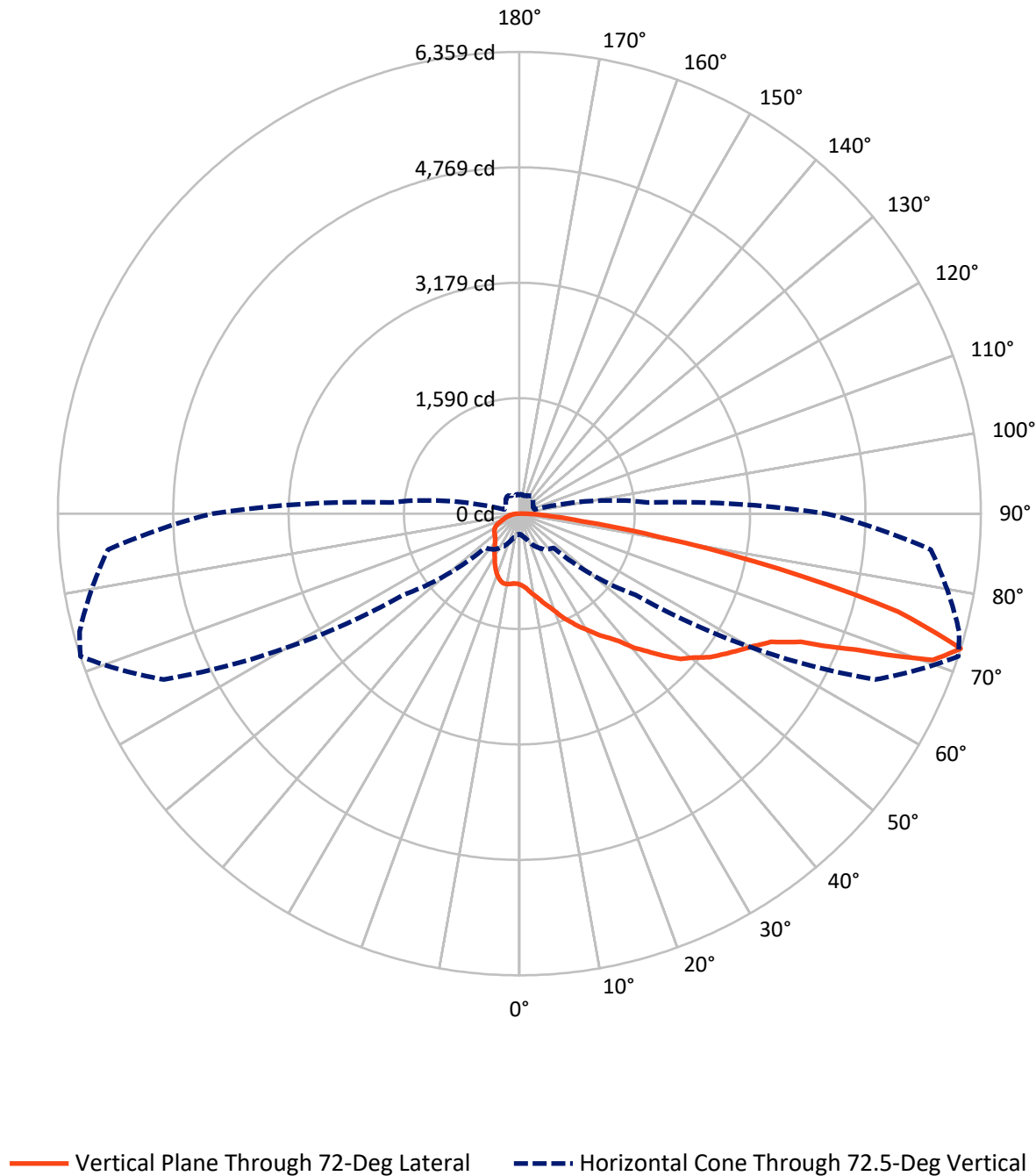


Based on 15 foot mounting height. Maximum calculated value = 5.4 fc
Type II - Medium - N/A

REPORT NUMBER: P674839

CATALOG NUMBER: CCW-SA-1F-740-U-T2

Luminous Intensity Polar Plot



REPORT NUMBER: P674839

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1574.0	0.0	1574.0
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	5905.0	0.0	5905.0
	% Fixture	79.0	0.0	79.0
Total	Lumens	7479.0	0.0	7479.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.6	1.3
10°-20°	300.1	4.0
20°-30°	519.3	6.9
30°-40°	767.1	10.3
40°-50°	1140.8	15.3
50°-60°	1563.9	20.9
60°-70°	1696.4	22.7
70°-80°	1196.0	16.0
80°-90°	198.7	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°	7479.0	100.0
0°-180°	7479.0	100.0

Coefficient of Utilization



REPORT NUMBER: P674839

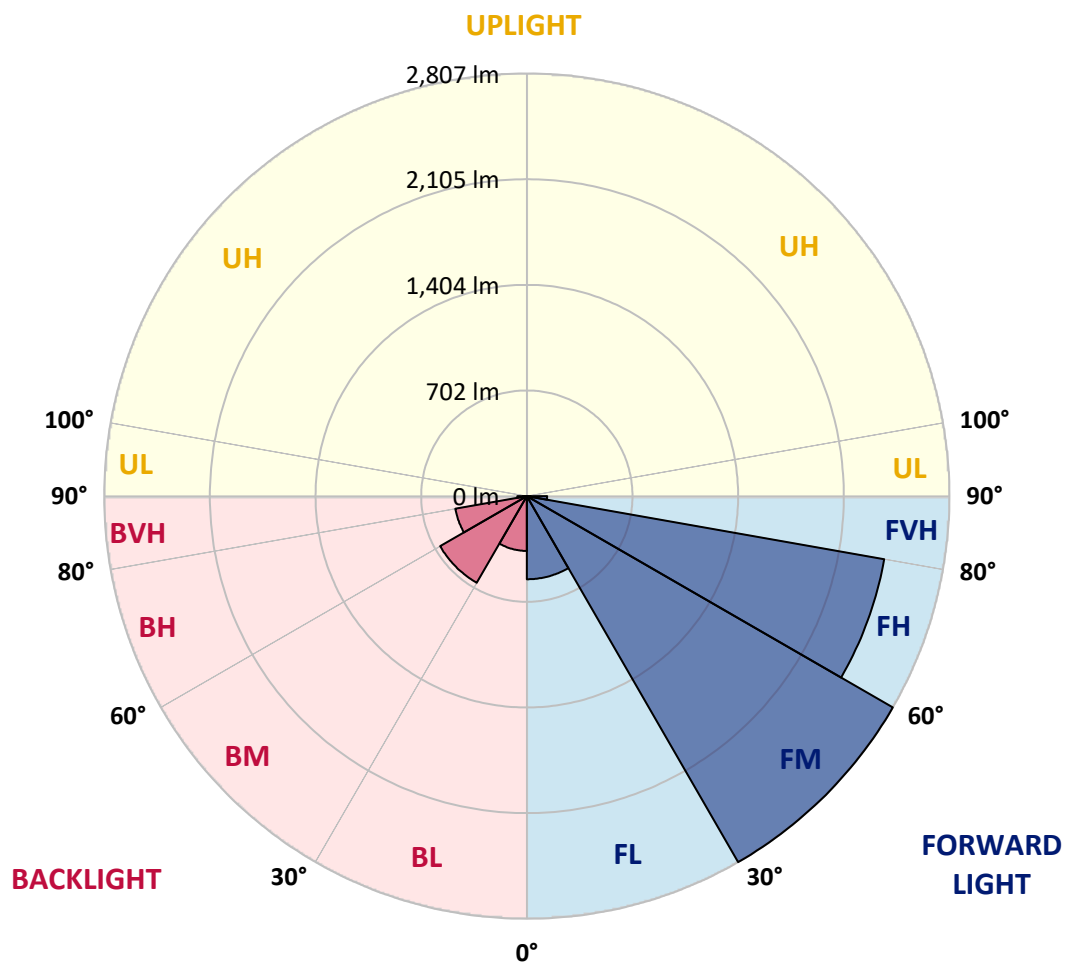
CATALOG NUMBER: CCW-SA-1F-740-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	552.3	7.4			
FM	(30°-60°)	2807.0	37.5			
FH	(60°-80°)	2410.2	32.2			G2/5000
FVH	(80°-90°)	135.5	1.8			G2/225
BL	(0°-30°)	363.8	4.9	B1/500		
BM	(30°-60°)	664.8	8.9	B1/1000		
BH	(60°-80°)	482.1	6.4	B1/500		G1/500
BVH	(80°-90°)	63.2	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Medium



REPORT NUMBER: P674839

CATALOG NUMBER: CCW-SA-1F-740-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	977.0	977.0	977.0	977.0	977.0	977.0	977.0	977.0	977.0	977.0	977.0
2.5°	1054.2	1054.2	1046.0	1043.2	1043.2	1021.1	1023.9	1010.1	999.0	999.0	988.0
5°	1109.4	1103.9	1103.9	1103.9	1090.1	1081.8	1079.1	1054.2	1034.9	1037.7	1004.6
7.5°	1123.2	1126.0	1128.7	1142.5	1134.3	1139.8	1134.3	1106.7	1092.9	1079.1	1048.7
10°	1131.5	1137.0	1137.0	1156.3	1156.3	1170.1	1178.4	1167.4	1142.5	1128.7	1079.1
12.5°	1150.8	1142.5	1153.6	1167.4	1181.2	1206.0	1230.9	1219.8	1203.3	1186.7	1131.5
15°	1150.8	1153.6	1161.9	1183.9	1206.0	1230.9	1275.0	1291.6	1283.3	1252.9	1195.0
17.5°	1117.7	1109.4	1148.1	1189.5	1230.9	1261.2	1319.2	1357.8	1352.3	1341.3	1252.9
20°	1120.5	1128.7	1142.5	1178.4	1244.7	1299.9	1371.6	1435.1	1448.9	1443.4	1330.2
22.5°	1170.1	1172.9	1186.7	1203.3	1255.7	1327.5	1435.1	1537.2	1562.0	1548.2	1415.8
25°	1219.8	1241.9	1241.9	1252.9	1272.3	1346.8	1476.5	1620.0	1655.9	1658.6	1504.1
27.5°	1299.9	1305.4	1321.9	1327.5	1344.0	1388.2	1523.4	1680.7	1763.5	1752.5	1584.1
30°	1393.7	1396.4	1407.5	1402.0	1404.7	1459.9	1567.6	1749.7	1862.9	1865.6	1669.7
32.5°	1504.1	1526.2	1531.7	1495.8	1501.3	1515.1	1636.5	1832.5	1987.0	1967.7	1744.2
35°	1666.9	1675.2	1658.6	1642.1	1600.7	1592.4	1708.3	1915.3	2094.7	2116.8	1854.6
37.5°	1868.4	1890.4	1868.4	1780.1	1735.9	1702.8	1796.6	2006.4	2224.4	2298.9	1965.0
40°	2056.0	2053.3	2031.2	1951.2	1873.9	1849.1	1923.6	2133.3	2425.8	2497.6	2125.0
42.5°	2207.8	2199.5	2185.7	2125.0	2053.3	2011.9	2069.8	2265.8	2594.2	2732.2	2309.9
45°	2340.3	2329.3	2332.0	2263.0	2194.0	2216.1	2216.1	2417.6	2792.9	2964.0	2522.4
47.5°	2464.5	2470.0	2461.7	2409.3	2356.9	2414.8	2384.4	2591.4	2988.8	3179.3	2701.8
50°	2608.0	2619.0	2591.4	2558.3	2511.4	2569.4	2530.7	2754.3	3115.8	3375.2	2917.1
52.5°	2743.2	2754.3	2779.1	2737.7	2690.8	2737.7	2649.4	2906.0	3284.1	3565.6	3082.7
55°	2776.3	2770.8	2908.8	2953.0	2977.8	2837.1	2754.3	3035.8	3416.6	3687.1	3270.3
57.5°	2624.5	2638.3	2826.0	2953.0	3217.9	3096.5	2872.9	3187.5	3554.6	3847.1	3444.2
60°	2246.5	2254.7	2489.3	2790.1	3176.5	3339.3	3193.1	3383.5	3706.4	3982.4	3640.1
62.5°	1501.3	1564.8	1857.3	2329.3	2884.0	3405.6	3703.6	3714.7	3891.3	4153.5	3907.8
65°	792.1	822.4	1051.5	1432.3	2185.7	3176.5	4183.8	4371.5	4261.1	4468.1	4294.2
67.5°	518.8	529.9	654.1	869.3	1261.2	2318.2	4239.0	5511.3	5003.5	5067.0	4912.4
70°	386.4	391.9	483.0	643.0	781.0	1239.1	3474.6	6043.9	6041.2	5872.8	5646.5
72.5°	284.3	292.5	356.0	491.2	601.6	667.9	1953.9	5406.4	6358.5	6273.0	5690.7
75°	223.5	229.1	262.2	380.8	485.7	438.8	990.8	4004.4	5392.6	5803.8	5207.7
77.5°	182.1	187.7	207.0	276.0	389.1	339.5	474.7	2583.2	3656.7	4178.3	3985.1
80°	151.8	151.8	165.6	195.9	300.8	256.7	281.5	1451.6	1970.5	2174.7	1807.7
82.5°	129.7	126.9	138.0	143.5	223.5	184.9	182.1	656.8	866.6	919.0	678.9
85°	82.8	85.6	129.7	124.2	146.3	126.9	102.1	311.9	408.4	416.7	253.9
87.5°	33.1	33.1	55.2	69.0	82.8	77.3	49.7	140.7	179.4	179.4	71.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P674839

CATALOG NUMBER: CCW-SA-1F-740-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	977.0	977.0	977.0	977.0	977.0	977.0	977.0	977.0	977.0	977.0	977.0
2.5°	985.2	974.2	965.9	960.4	946.6	932.8	935.6	932.8	921.8	916.2	916.2
5°	996.3	985.2	971.4	949.4	935.6	919.0	924.5	913.5	902.4	910.7	896.9
7.5°	1023.9	1004.6	985.2	952.1	930.0	905.2	894.2	888.6	880.4	874.8	874.8
10°	1062.5	1034.9	999.0	949.4	913.5	874.8	869.3	858.3	850.0	850.0	847.3
12.5°	1101.2	1070.8	1010.1	930.0	869.3	841.7	839.0	841.7	847.3	850.0	852.8
15°	1150.8	1101.2	1007.3	894.2	833.5	822.4	836.2	847.3	858.3	869.3	866.6
17.5°	1197.7	1139.8	982.5	850.0	803.1	805.9	830.7	852.8	874.8	885.9	888.6
20°	1261.2	1175.7	946.6	797.6	772.7	797.6	830.7	858.3	883.1	896.9	899.7
22.5°	1333.0	1217.1	899.7	750.7	747.9	772.7	805.9	847.3	874.8	899.7	896.9
25°	1396.4	1244.7	839.0	712.0	717.5	734.1	772.7	816.9	844.5	872.1	863.8
27.5°	1437.8	1250.2	775.5	684.4	684.4	701.0	736.9	764.5	789.3	811.4	814.1
30°	1484.8	1239.1	703.7	648.5	648.5	670.6	684.4	701.0	714.8	720.3	725.8
32.5°	1540.0	1214.3	659.6	621.0	621.0	637.5	645.8	640.3	637.5	623.7	632.0
35°	1592.4	1178.4	609.9	585.1	596.1	604.4	601.6	585.1	568.5	543.7	535.4
37.5°	1655.9	1142.5	565.8	546.4	565.8	568.5	568.5	549.2	527.1	496.8	496.8
40°	1752.5	1115.0	529.9	521.6	540.9	538.2	524.4	510.6	518.8	502.3	502.3
42.5°	1854.6	1103.9	496.8	499.5	507.8	510.6	496.8	480.2	513.3	494.0	496.8
45°	1981.5	1112.2	474.7	471.9	491.2	488.5	480.2	466.4	477.4	427.8	414.0
47.5°	2100.2	1128.7	463.6	452.6	474.7	480.2	469.2	438.8	422.2	391.9	386.4
50°	2207.8	1164.6	452.6	430.5	452.6	463.6	444.3	411.2	391.9	372.6	372.6
52.5°	2309.9	1217.1	447.1	405.7	425.0	438.8	427.8	394.6	372.6	364.3	356.0
55°	2414.8	1264.0	438.8	389.1	394.6	422.2	419.5	375.3	353.3	353.3	350.5
57.5°	2563.8	1327.5	427.8	361.5	372.6	402.9	402.9	367.1	342.2	345.0	347.7
60°	2715.6	1402.0	416.7	333.9	342.2	383.6	389.1	356.0	333.9	336.7	333.9
62.5°	2958.5	1540.0	394.6	300.8	317.4	358.8	372.6	342.2	322.9	328.4	328.4
65°	3325.5	1777.3	347.7	273.2	292.5	336.7	356.0	328.4	306.3	322.9	317.4
67.5°	3916.1	2103.0	292.5	251.1	276.0	314.6	336.7	311.9	292.5	317.4	309.1
70°	4446.0	2263.0	251.1	231.8	251.1	289.8	314.6	295.3	276.0	300.8	289.8
72.5°	4230.7	1774.5	218.0	209.7	229.1	262.2	292.5	273.2	253.9	267.7	256.7
75°	3651.2	1413.0	190.4	187.7	204.2	237.3	267.7	253.9	234.6	240.1	234.6
77.5°	2768.1	1167.4	162.8	160.1	173.9	212.5	240.1	229.1	209.7	207.0	207.0
80°	1236.4	574.0	135.2	135.2	143.5	182.1	204.2	198.7	179.4	176.6	173.9
82.5°	405.7	218.0	110.4	104.9	115.9	151.8	182.1	176.6	157.3	151.8	146.3
85°	162.8	104.9	80.0	80.0	91.1	126.9	162.8	151.8	126.9	113.2	113.2
87.5°	55.2	44.2	41.4	41.4	58.0	85.6	121.4	102.1	91.1	80.0	82.8
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)