

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: STREETWORKS

Report Number: P200207

Luminaire Tested: **GAP-AF-01-LED-U-T4FT**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200207
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24295)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAP-AF-01-LED-U-T4FT
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 70 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6541.8 lumens
Efficiency: N/A
Efficacy: 110.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 59
Input Voltage (V): NR
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: 28.75 FT



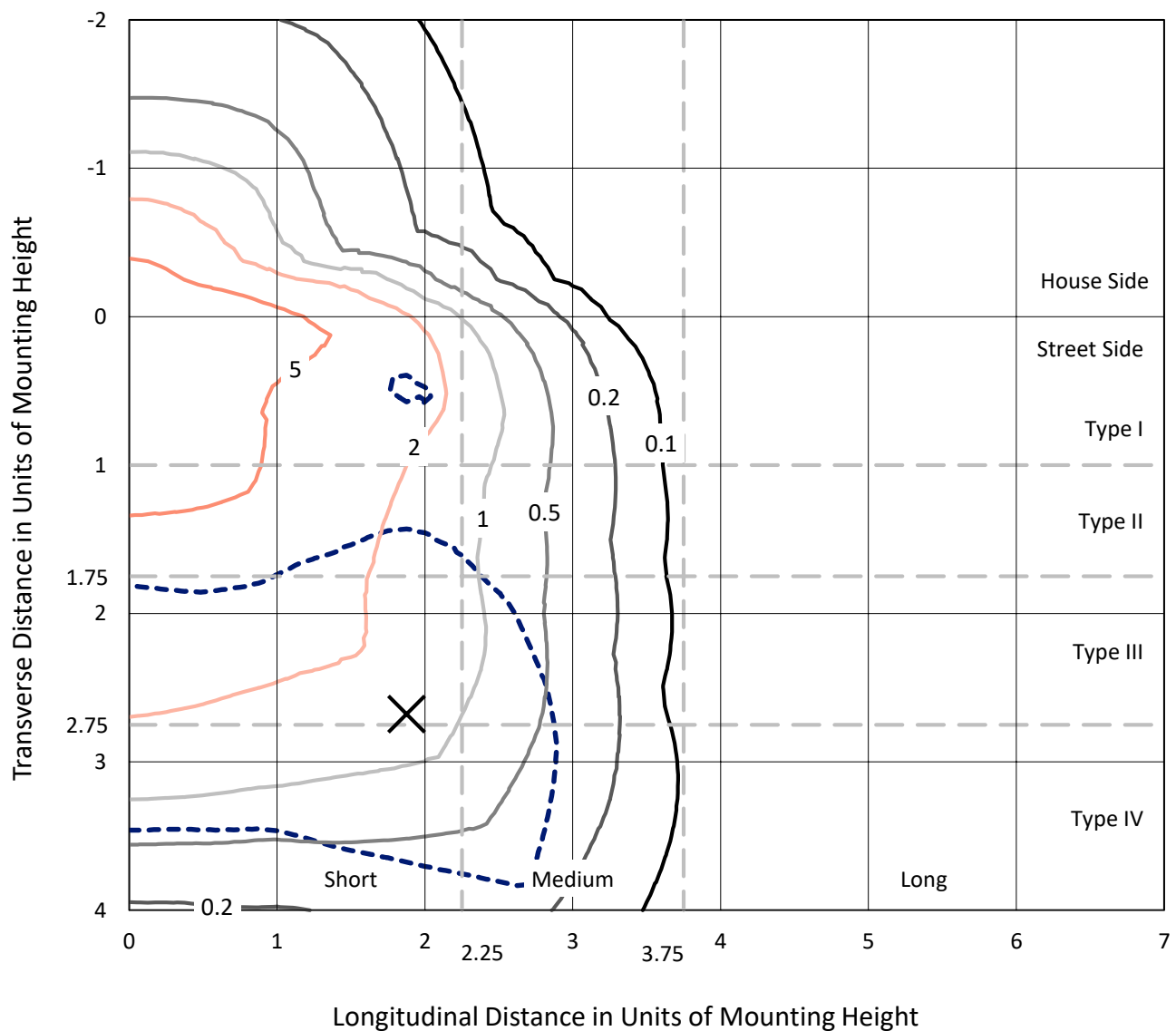
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Iso-Footcandle Lines of Horizontal Illumination

✗ Max cd

--- 1/2 Max cd

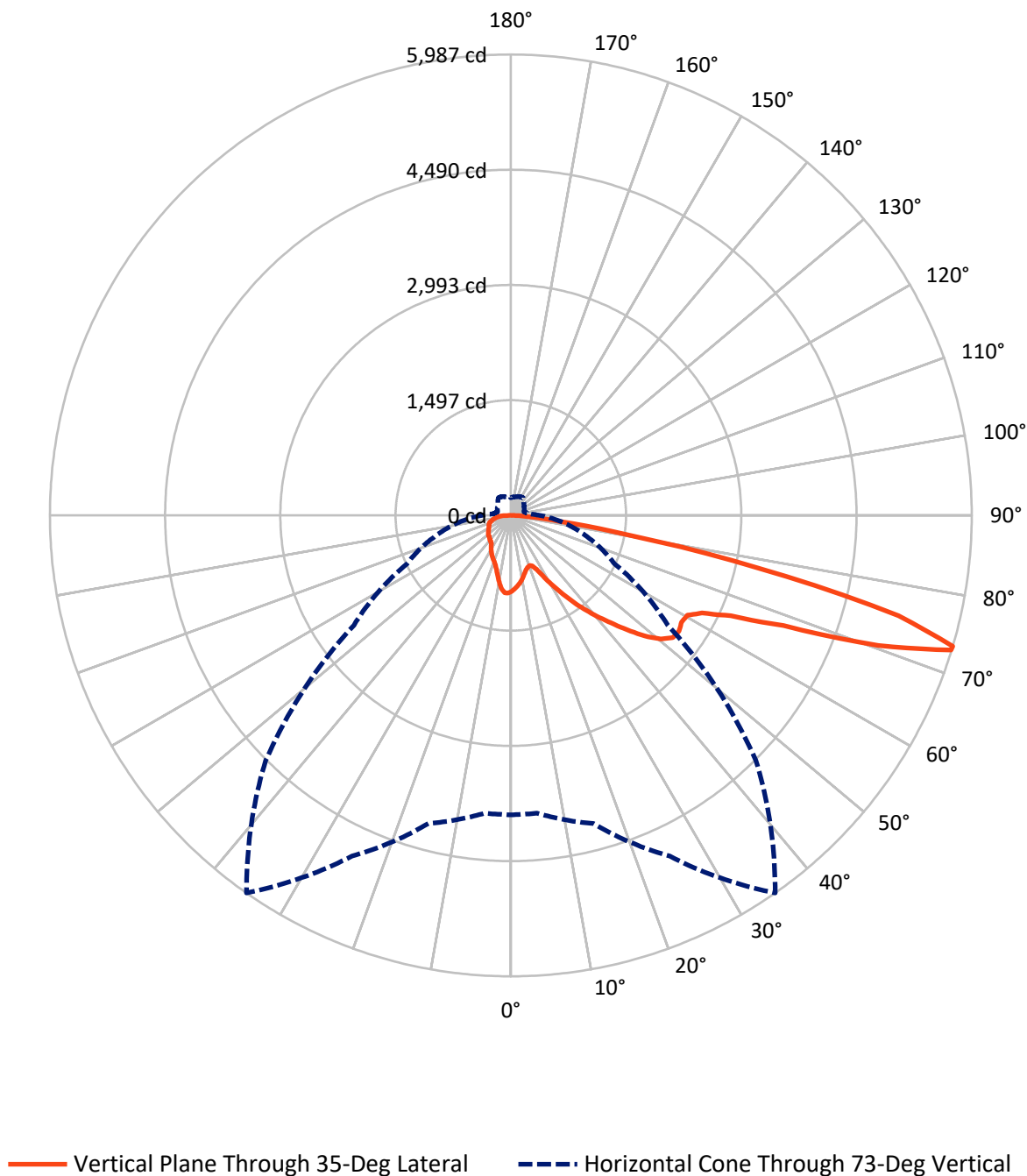


Based on 10 foot mounting height. Maximum calculated value = 9.9 fc
Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1247.7	0.0	1247.7
	% Fixture	19.1	0.0	19.1
Street Side	Lumens	5294.1	0.0	5294.1
	% Fixture	80.9	0.0	80.9
Total	Lumens	6541.8	0.0	6541.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.4	1.4
10°-20°	223.1	3.4
20°-30°	360.7	5.5
30°-40°	604.8	9.2
40°-50°	932.2	14.3
50°-60°	1250.7	19.1
60°-70°	1666.2	25.5
70°-80°	1270.8	19.4
80°-90°	144.0	2.2
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°	6541.8	100.0
0°-180°	6541.8	100.0

Coefficient of Utilization



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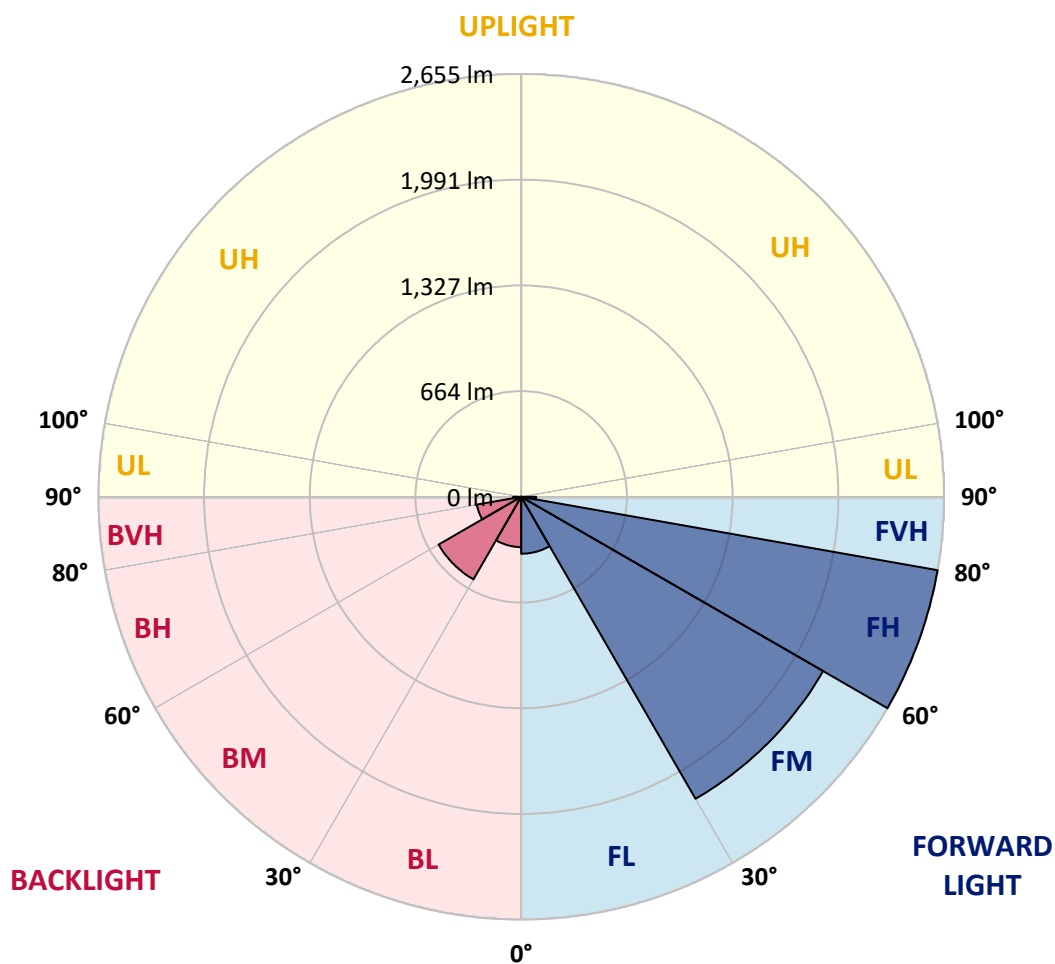
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	357.4	5.5			
FM	(30°-60°)	2188.9	33.5			
FH	(60°-80°)	2654.7	40.6			G2/5000
FVH	(80°-90°)	93.1	1.4			G1/100
BL	(0°-30°)	315.7	4.8	B1/500		
BM	(30°-60°)	598.8	9.2	B1/1000		
BH	(60°-80°)	282.3	4.3	B1/500		G1/500
BVH	(80°-90°)	50.9	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	987.4	987.4	987.4	987.4	987.4	987.4	987.4	987.4	987.4	987.4	987.4
2.5°	948.4	950.3	948.1	950.9	955.6	960.7	964.1	969.1	974.8	982.6	984.5
5°	903.8	906.6	906.6	911.7	920.8	928.9	936.5	944.6	956.6	970.1	975.4
7.5°	854.8	856.3	859.2	866.7	879.9	891.5	902.2	915.4	931.7	949.7	959.1
10°	795.8	797.9	802.3	813.0	830.9	846.9	862.3	880.6	901.3	923.6	935.5
12.5°	753.9	753.3	755.2	763.0	778.8	798.2	820.5	843.8	869.2	895.3	909.8
15°	739.8	736.3	729.2	727.2	735.7	755.2	780.9	809.6	840.0	871.5	889.4
17.5°	748.6	742.7	722.8	708.4	707.2	721.9	749.2	781.2	816.4	854.8	877.1
20°	803.9	789.7	741.0	707.5	695.8	703.1	726.9	760.9	802.3	853.2	881.8
22.5°	936.1	915.4	812.0	749.5	710.2	701.4	719.4	755.6	803.9	872.7	909.1
25°	1128.7	1099.2	934.0	854.5	773.5	726.6	730.7	767.7	826.2	917.9	961.9
27.5°	1280.7	1261.6	1093.2	1002.4	888.4	794.4	767.4	798.5	871.8	992.1	1037.0
30°	1371.3	1359.6	1263.4	1170.2	1035.1	902.5	837.8	856.3	943.1	1094.8	1131.9
32.5°	1476.1	1469.3	1422.1	1336.4	1193.5	1044.5	949.3	942.8	1038.6	1218.2	1235.2
35°	1584.9	1582.7	1555.0	1493.4	1363.4	1231.7	1097.3	1052.7	1142.5	1346.4	1335.8
37.5°	1686.0	1682.2	1666.2	1630.4	1541.2	1432.8	1248.1	1165.4	1254.6	1469.0	1421.5
40°	1872.3	1842.7	1787.8	1760.8	1720.9	1602.1	1367.8	1270.7	1371.0	1585.8	1495.7
42.5°	2099.4	2051.3	1948.9	1911.9	1906.3	1735.6	1449.4	1372.8	1488.1	1701.7	1568.5
45°	2278.2	2232.9	2144.6	2097.9	2118.6	1856.6	1531.5	1481.8	1608.7	1823.3	1643.6
47.5°	2468.9	2397.9	2281.0	2295.1	2340.4	1970.9	1615.0	1599.0	1741.0	1959.4	1736.9
50°	2475.7	2421.4	2370.2	2454.8	2525.1	2076.2	1719.6	1721.8	1902.8	2130.5	1861.0
52.5°	2332.2	2320.6	2402.0	2534.9	2636.3	2159.4	1838.7	1848.8	2109.8	2327.2	1997.3
55°	2281.9	2268.8	2362.7	2506.8	2651.4	2228.2	1967.9	1986.1	2360.2	2534.6	2130.2
57.5°	2404.4	2375.3	2381.5	2493.6	2614.7	2303.6	2108.5	2145.3	2632.3	2715.7	2215.7
60°	2746.9	2684.3	2565.7	2562.8	2634.4	2416.7	2271.3	2316.2	2914.9	2802.5	2182.4
62.5°	3227.2	3164.7	2942.3	2797.5	2786.8	2603.3	2471.0	2483.0	3078.3	2685.0	1979.1
65°	3747.1	3691.2	3442.7	3238.3	3139.5	2912.4	2703.2	2557.5	3024.9	2361.8	1623.5
67.5°	4378.2	4318.2	4104.6	3915.9	3820.9	3411.3	2866.2	2486.2	2686.0	1829.5	1167.1
70°	4819.6	4758.4	4674.2	4827.1	5059.3	4131.0	2887.3	2196.2	2006.1	1216.1	702.5
72.5°	4243.8	4215.2	4368.8	5013.1	5980.1	4567.7	2610.0	1599.0	1165.1	645.6	406.5
73°	3888.1	3881.9	4143.9	4882.7	5986.6	4500.5	2488.3	1486.2	999.3	571.1	371.6
75°	1755.8	1806.3	2380.6	3729.5	5201.3	3708.5	1751.4	852.6	564.6	394.6	280.5
77.5°	421.9	439.5	744.8	1771.1	3284.7	2210.0	793.5	421.6	361.0	278.7	204.8
80°	179.7	185.7	286.8	654.4	1546.5	890.0	365.7	282.4	249.7	194.5	143.5
82.5°	99.9	106.2	162.8	296.9	624.2	303.5	223.0	196.6	164.3	117.1	93.3
85°	56.6	60.0	95.2	165.8	264.5	121.9	133.5	130.7	92.7	60.4	45.8
87.5°	26.7	28.9	45.8	76.9	103.6	47.8	67.8	74.8	58.1	36.7	23.8
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	987.4	987.4	987.4	987.4	987.4	987.4	987.4	987.4	987.4	987.4
2.5°	986.7	992.4	999.0	1002.4	1005.6	1009.3	1013.1	1013.1	1013.7	1014.1
5°	979.8	991.4	1001.8	1006.2	1007.2	1007.2	1006.2	1001.2	996.8	998.7
7.5°	965.4	982.3	991.1	989.6	977.6	963.8	952.2	938.0	930.8	929.6
10°	944.6	964.1	965.7	950.0	920.5	890.9	866.4	842.5	831.2	828.4
12.5°	921.7	939.6	929.6	897.2	849.8	806.7	775.6	751.5	740.7	738.0
15°	903.2	915.4	890.0	839.1	779.4	733.9	708.1	690.2	682.6	680.5
17.5°	893.4	895.9	849.5	780.6	717.2	679.1	663.2	654.7	651.8	650.3
20°	898.2	880.6	810.8	726.3	666.4	639.5	635.9	633.6	633.0	632.1
22.5°	921.7	875.9	775.3	674.7	621.6	610.1	613.3	612.8	612.2	611.6
25°	963.8	879.9	740.7	625.7	584.3	581.8	587.5	587.5	584.9	584.9
27.5°	1019.4	888.4	702.2	579.3	550.3	550.7	555.1	553.8	551.0	549.1
30°	1087.3	893.8	656.8	537.5	518.6	517.4	518.6	513.3	504.8	504.2
32.5°	1156.7	887.1	604.5	500.4	485.1	482.2	481.3	473.7	464.0	461.1
35°	1219.5	863.0	551.0	470.9	453.0	446.7	451.1	448.6	439.8	437.6
37.5°	1265.4	818.1	503.0	444.8	430.0	428.5	431.3	432.3	421.9	419.7
40°	1296.2	757.1	461.8	422.9	425.6	419.7	410.3	403.7	400.5	399.6
42.5°	1320.9	693.7	427.3	412.5	426.6	409.3	388.9	378.2	383.9	386.4
45°	1349.6	631.8	398.3	399.6	421.9	397.4	374.2	363.8	366.0	366.6
47.5°	1388.9	556.4	367.2	378.9	406.2	389.2	365.0	350.3	339.9	335.2
50°	1443.2	467.2	334.9	355.6	390.8	383.3	350.9	335.2	316.0	311.6
52.5°	1480.9	383.9	308.2	336.1	377.0	371.3	339.6	319.2	299.1	295.3
55°	1460.5	318.9	284.9	314.5	358.7	356.6	330.2	302.8	287.1	284.0
57.5°	1358.4	277.7	267.0	294.0	336.4	344.0	317.6	289.0	277.7	275.5
60°	1163.6	252.0	255.7	280.2	318.2	331.4	305.0	281.5	273.9	272.4
62.5°	902.9	234.7	247.2	270.2	304.1	322.6	298.1	280.5	277.7	275.8
65°	646.8	220.9	238.1	260.1	291.2	314.5	295.6	279.3	279.9	278.3
67.5°	439.5	208.6	227.1	248.8	278.7	307.2	292.2	274.9	282.7	280.8
70°	307.5	196.6	214.2	234.4	262.9	297.2	285.9	268.3	267.6	260.1
72.5°	240.0	181.0	196.6	214.2	242.8	283.1	273.3	253.5	243.2	235.3
73°	229.0	177.2	192.2	209.8	238.4	279.6	269.9	249.4	237.8	230.6
75°	189.5	160.8	174.6	190.4	219.6	263.2	252.9	230.9	216.1	211.8
77.5°	148.9	137.6	150.8	164.9	193.5	239.4	227.7	206.7	198.6	194.8
80°	110.3	114.1	125.6	138.2	167.8	213.9	203.6	182.5	218.9	209.8
82.5°	77.6	86.4	97.1	108.3	140.8	189.1	176.6	154.9	160.2	133.2
85°	45.8	56.6	66.6	76.3	101.5	156.7	145.8	123.5	101.2	96.5
87.5°	26.7	31.4	34.3	44.3	69.8	118.2	102.7	91.5	52.5	35.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)