

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: P200676

Luminaire Tested: **GAP-AF-02-LED-U-T3R-8030-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200676
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P40129)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAP-AF-02-LED-U-T3R-8030-600
Description: GALLEON PEDESTRIAN LUMINAIRE
(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6829 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B1 - U0 - G2

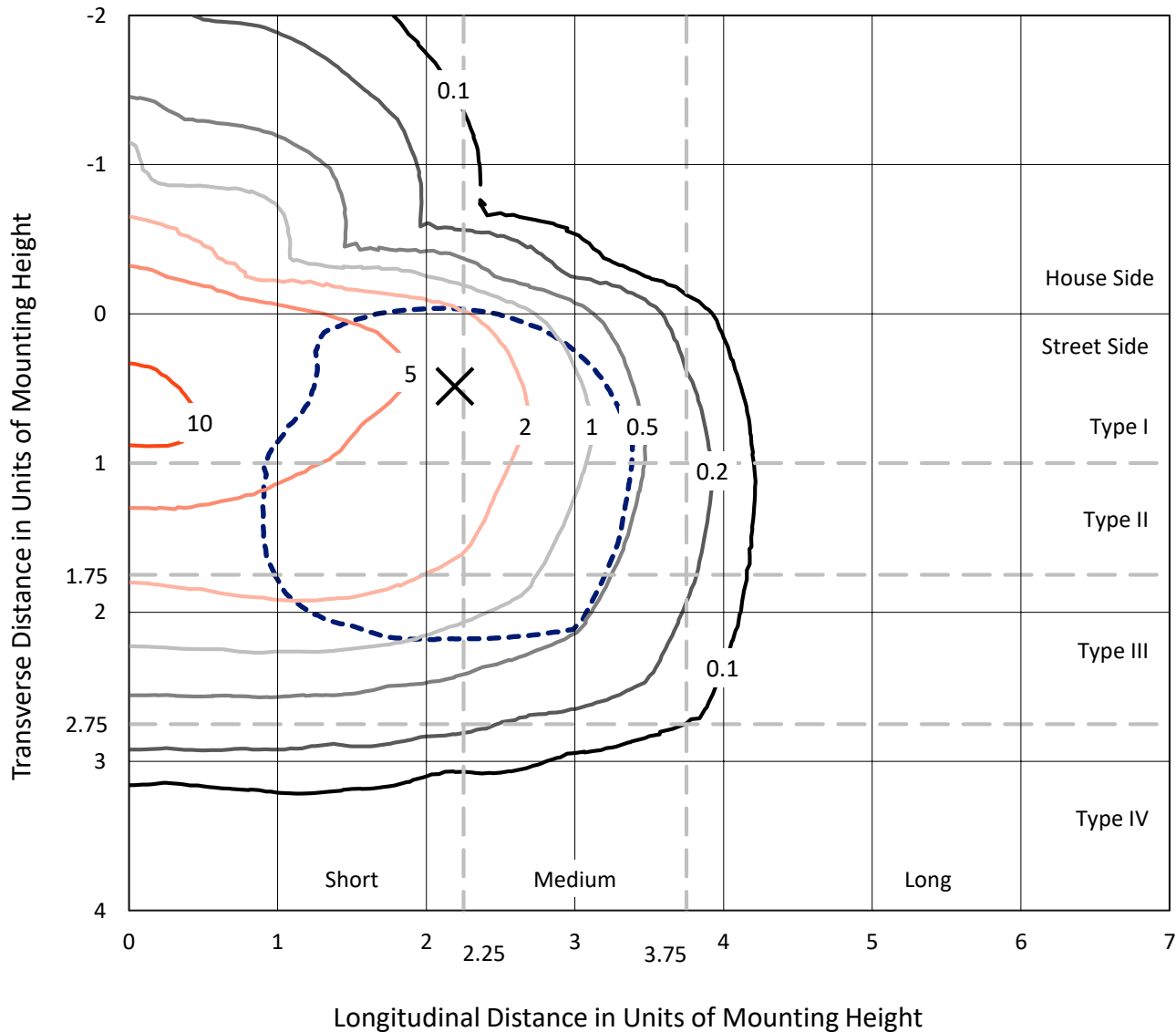
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

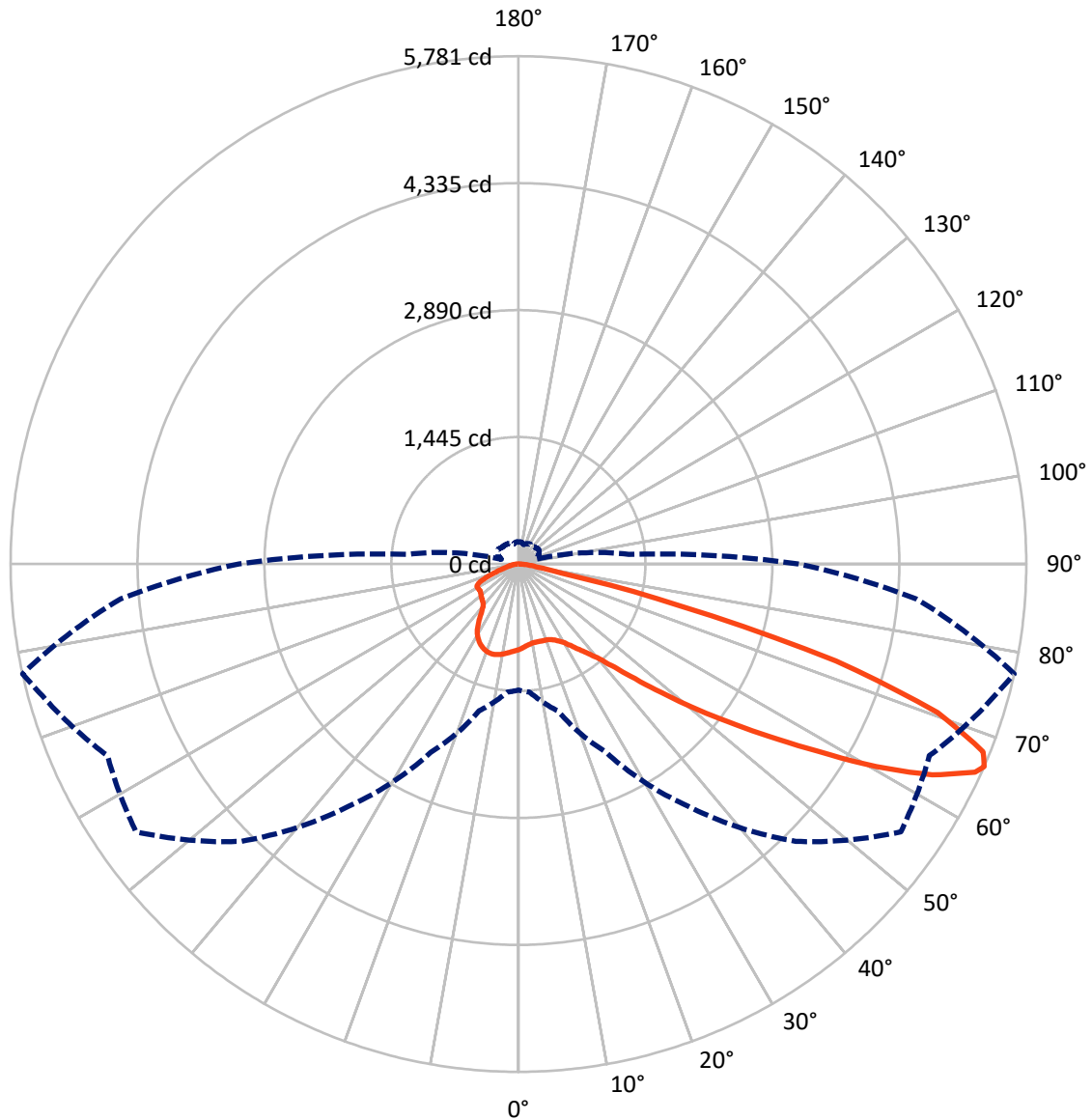


Based on 10 foot mounting height. Maximum calculated value = 12 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77.5-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1166.7	0.0	1166.7
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	5662.3	0.0	5662.3
	% Fixture	82.9	0.0	82.9
Total	Lumens	6829.0	0.0	6829.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.9	1.3
10°-20°	245.3	3.6
20°-30°	418.6	6.1
30°-40°	670.1	9.8
40°-50°	1035.3	15.2
50°-60°	1468.4	21.5
60°-70°	1964.3	28.8
70°-80°	853.1	12.5
80°-90°	87.0	1.3
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°	6829.0	100.0
0°-180°	6829.0	100.0

Coefficient of Utilization



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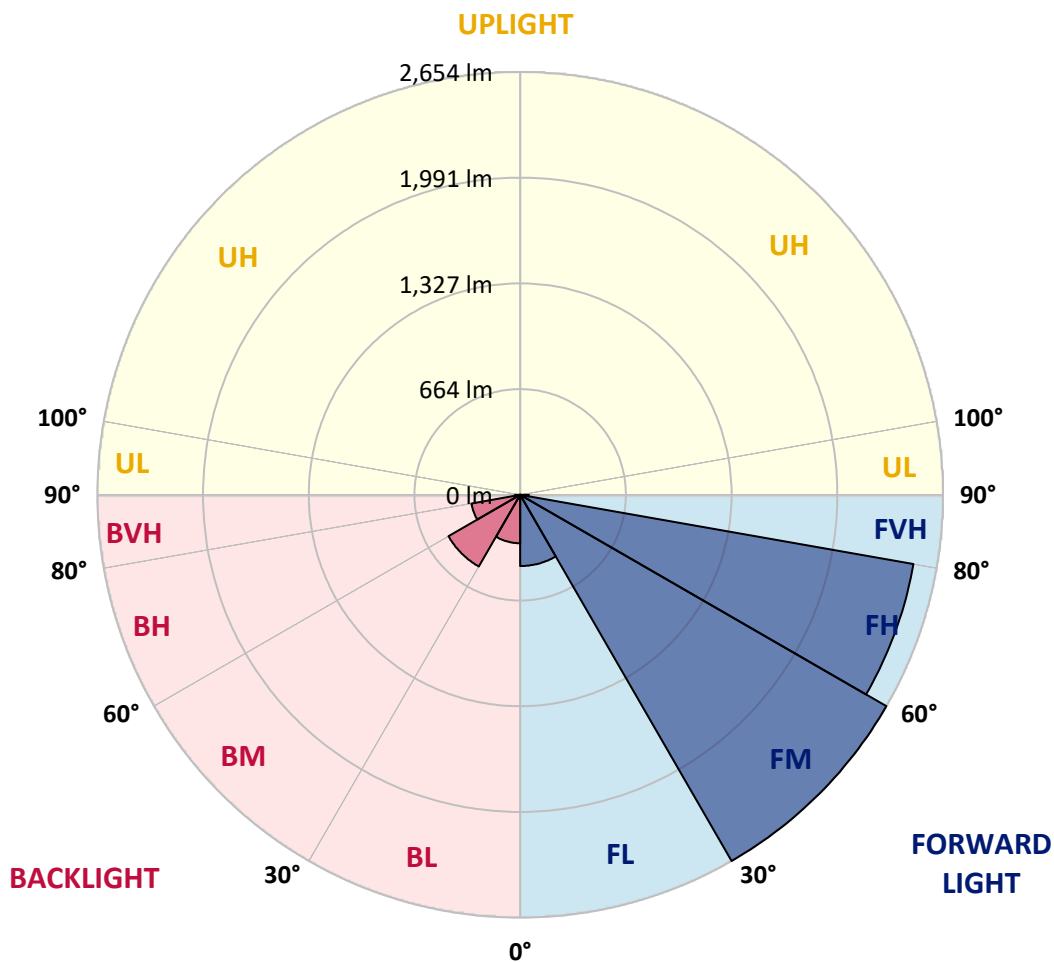
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	447.0	6.5			
FM	(30°-60°)	2654.1	38.9			
FH	(60°-80°)	2506.7	36.7			G2/5000
FVH	(80°-90°)	54.5	0.8			G1/100
BL	(0°-30°)	303.9	4.4	B1/500		
BM	(30°-60°)	519.7	7.6	B1/1000		
BH	(60°-80°)	310.7	4.5	B1/500		G1/500
BVH	(80°-90°)	32.4	0.5			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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	973.2	973.2	973.2	973.2	973.2	973.2	973.2	973.2	973.2	973.2	973.2
2.5°	860.9	866.7	871.5	876.0	885.1	899.9	917.0	930.9	950.9	954.8	965.4
5°	781.8	781.8	785.7	792.5	804.7	827.0	850.2	881.2	924.8	935.1	963.5
7.5°	743.4	743.7	746.0	751.8	762.5	782.8	808.3	844.7	903.8	920.9	969.3
10°	757.6	754.4	749.6	746.7	748.3	760.2	784.4	825.1	890.9	912.8	982.2
12.5°	837.0	830.9	814.1	791.8	770.5	761.8	776.0	815.7	885.4	910.9	999.3
15°	966.7	964.1	932.8	886.7	835.1	791.8	782.1	812.2	886.0	913.1	1019.6
17.5°	1129.3	1125.8	1084.5	1017.4	933.2	848.9	803.8	815.1	888.3	917.0	1039.3
20°	1293.6	1282.6	1238.1	1158.1	1050.0	926.7	839.6	822.5	891.2	921.2	1060.0
22.5°	1416.2	1407.2	1367.1	1289.4	1164.8	1016.7	887.7	835.4	900.6	933.5	1085.5
25°	1524.0	1524.6	1484.9	1409.7	1281.0	1112.2	949.6	869.9	924.4	958.6	1120.3
27.5°	1657.2	1649.5	1612.4	1537.8	1395.9	1208.7	1024.5	917.3	959.9	994.5	1166.1
30°	1816.6	1811.1	1768.2	1683.7	1523.3	1312.3	1110.0	972.5	1005.8	1041.6	1226.1
32.5°	2004.1	2001.5	1957.0	1848.2	1670.4	1434.3	1210.3	1045.4	1074.2	1111.3	1312.3
35°	2224.1	2224.5	2171.9	2041.2	1831.5	1576.2	1324.2	1139.3	1157.4	1196.1	1414.9
37.5°	2359.7	2376.1	2356.4	2223.2	2013.8	1735.0	1472.0	1263.9	1252.3	1291.3	1524.9
40°	2388.7	2408.7	2471.0	2403.2	2217.7	1909.9	1603.0	1383.6	1369.1	1416.8	1666.6
42.5°	2348.1	2375.8	2507.4	2555.2	2434.2	2125.4	1779.2	1561.4	1543.0	1607.2	1842.8
45°	2323.9	2344.5	2496.8	2634.3	2622.0	2369.0	2003.4	1784.7	1777.9	1862.1	2046.0
47.5°	2281.9	2300.6	2447.1	2652.6	2732.3	2592.3	2272.9	2057.7	2070.9	2181.2	2275.5
50°	2304.5	2312.2	2391.6	2605.9	2764.3	2755.9	2573.9	2373.9	2419.0	2556.8	2535.2
52.5°	2301.3	2321.3	2385.2	2529.1	2768.5	2856.9	2870.4	2726.5	2821.7	2979.8	2823.3
55°	1860.5	1897.3	2309.3	2509.7	2783.3	2956.0	3134.4	3098.3	3275.7	3460.0	3148.6
57.5°	1776.6	1799.8	2028.3	2550.4	2862.1	3145.0	3428.0	3507.4	3804.2	4018.2	3544.8
60°	1760.2	1788.9	2025.4	2600.1	3021.8	3453.2	3863.3	4002.7	4447.3	4681.6	4004.3
62.5°	1708.8	1739.8	2006.3	2593.6	3248.6	3879.4	4420.5	4529.3	5057.2	5285.0	4388.6
65°	1546.2	1575.3	1851.1	2489.4	3401.6	4334.4	5080.1	5012.0	5538.6	5709.9	4580.3
66°	1434.9	1463.3	1728.9	2366.8	3366.1	4463.5	5313.7	5161.4	5646.4	5780.6	4542.8
67.5°	1231.3	1253.6	1491.4	2092.2	3177.3	4499.6	5510.2	5273.7	5657.7	5705.1	4328.9
70°	778.0	784.4	969.3	1444.3	2405.2	3902.3	5211.1	4994.9	5191.1	5062.7	3629.0
72.5°	337.5	335.3	465.3	734.7	1361.7	2618.4	4215.3	4121.4	4072.1	3779.1	2540.4
75°	187.8	190.4	241.7	341.1	553.4	1286.2	2757.5	2638.8	2228.0	1901.2	1151.9
77.5°	150.7	154.2	200.4	242.0	248.5	448.5	1290.3	1050.0	632.1	507.2	320.1
80°	119.1	125.5	174.9	188.4	167.5	184.9	416.9	333.3	250.1	229.4	165.9
82.5°	94.2	98.7	150.0	142.6	117.1	124.5	199.7	194.6	162.6	148.1	95.8
85°	67.8	76.1	123.3	107.4	76.8	83.9	132.6	127.1	93.3	76.1	42.3
87.5°	27.7	36.1	87.1	71.3	42.9	39.0	66.1	62.3	44.2	32.3	21.0
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°	973.2	973.2	973.2	973.2	973.2	973.2	973.2	973.2	973.2	973.2	973.2
2.5°	972.2	979.9	989.9	996.1	999.3	1001.6	1005.1	1004.8	1005.8	1006.1	1007.4
5°	978.7	991.6	1006.1	1009.9	1009.9	1006.4	1002.9	997.0	994.8	994.1	994.8
7.5°	995.4	1009.6	1022.2	1017.7	1008.0	993.8	975.4	959.3	950.6	947.7	947.0
10°	1016.7	1033.8	1039.0	1021.9	993.5	959.3	922.8	896.4	881.2	877.0	875.7
12.5°	1042.5	1058.7	1051.6	1015.4	962.8	907.7	857.3	815.1	783.4	773.4	772.8
15°	1070.9	1083.5	1058.7	995.4	917.0	835.7	746.0	673.1	633.7	621.1	620.2
17.5°	1097.4	1103.8	1054.5	960.6	849.6	717.9	598.9	542.7	529.2	532.4	533.0
20°	1120.0	1120.0	1040.3	910.6	743.4	562.7	487.6	486.6	496.3	505.9	507.9
22.5°	1144.8	1130.0	1015.4	839.9	593.1	460.4	449.5	458.5	469.5	480.1	481.7
25°	1175.5	1138.0	980.9	732.8	466.3	418.2	422.4	429.8	435.3	442.1	443.0
27.5°	1209.7	1148.4	935.4	585.3	404.6	391.7	394.9	397.5	396.9	399.5	400.1
30°	1250.7	1160.3	873.1	457.5	379.1	369.1	363.3	361.1	361.1	365.3	366.9
32.5°	1305.5	1178.1	783.8	392.0	366.9	353.0	334.3	325.9	329.1	343.3	346.5
35°	1365.9	1197.1	662.8	369.8	364.3	345.6	316.5	301.0	301.4	314.6	318.8
37.5°	1431.7	1221.3	530.1	365.6	370.1	345.9	307.2	285.9	277.2	277.2	278.8
40°	1515.9	1246.1	429.1	368.5	382.4	349.8	302.3	273.9	249.4	250.1	251.4
42.5°	1625.6	1267.4	374.9	374.6	397.2	354.9	302.0	258.1	236.8	251.4	264.6
45°	1747.6	1278.1	351.1	380.1	409.1	358.2	296.9	255.6	238.5	281.7	306.9
47.5°	1887.9	1272.0	337.8	382.0	412.0	358.2	291.0	261.7	249.7	326.2	355.6
50°	2041.8	1254.2	324.9	378.2	411.1	357.5	296.5	267.8	253.9	334.0	354.3
52.5°	2222.9	1239.4	311.4	369.8	404.3	354.0	303.0	265.2	240.7	303.6	317.8
55°	2429.4	1243.6	296.2	357.8	393.7	347.2	300.7	254.9	226.8	267.5	276.2
57.5°	2693.3	1293.6	278.1	342.7	379.1	335.9	292.7	250.1	222.6	242.6	247.8
60°	2987.9	1380.7	255.6	327.5	361.1	317.8	286.5	252.3	224.6	240.7	243.3
62.5°	3204.1	1431.4	236.2	305.2	336.5	297.8	278.8	255.2	229.7	247.5	246.8
65°	3262.8	1348.1	212.0	272.7	303.3	276.8	269.1	258.5	232.0	253.0	250.1
66°	3180.5	1258.4	201.3	257.5	286.5	266.5	264.3	258.1	231.0	253.6	248.8
67.5°	2980.8	1074.5	183.0	235.2	259.7	251.0	256.5	255.2	228.4	253.0	246.2
70°	2431.0	733.1	156.5	195.9	216.2	221.0	241.7	244.9	220.1	241.7	226.8
72.5°	1698.5	446.6	138.4	152.0	174.9	188.4	221.3	230.7	208.8	211.0	196.8
75°	820.9	237.2	125.5	117.8	135.8	157.5	196.8	211.3	191.0	176.5	171.3
77.5°	255.9	144.9	106.5	94.9	106.5	127.1	164.6	185.2	170.0	147.8	145.8
80°	137.5	106.5	82.0	76.1	84.2	99.7	129.4	154.6	146.2	132.6	118.4
82.5°	90.7	69.1	60.7	59.0	64.2	76.1	96.2	128.1	128.1	113.6	82.6
85°	46.8	42.3	41.6	41.6	44.9	50.7	65.5	98.7	105.2	60.0	49.7
87.5°	23.2	24.2	22.6	23.6	25.2	24.8	31.3	49.7	59.4	36.5	30.3
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)