

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: P458618

Luminaire Tested: **GLAN-SA1D-735-U-T2**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P458618
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1D-735-U-T2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7333 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

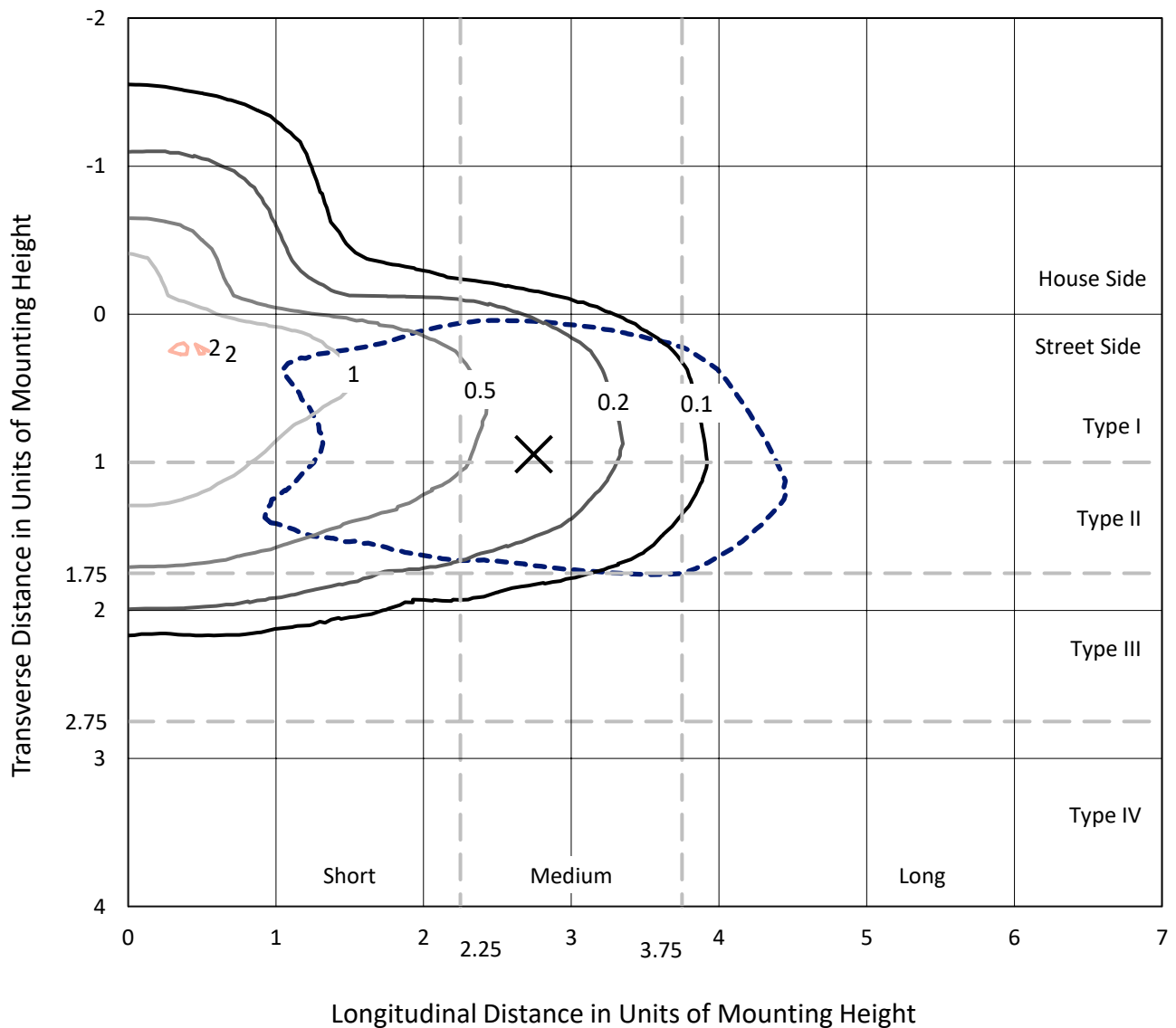
Input Watts (W): 65
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

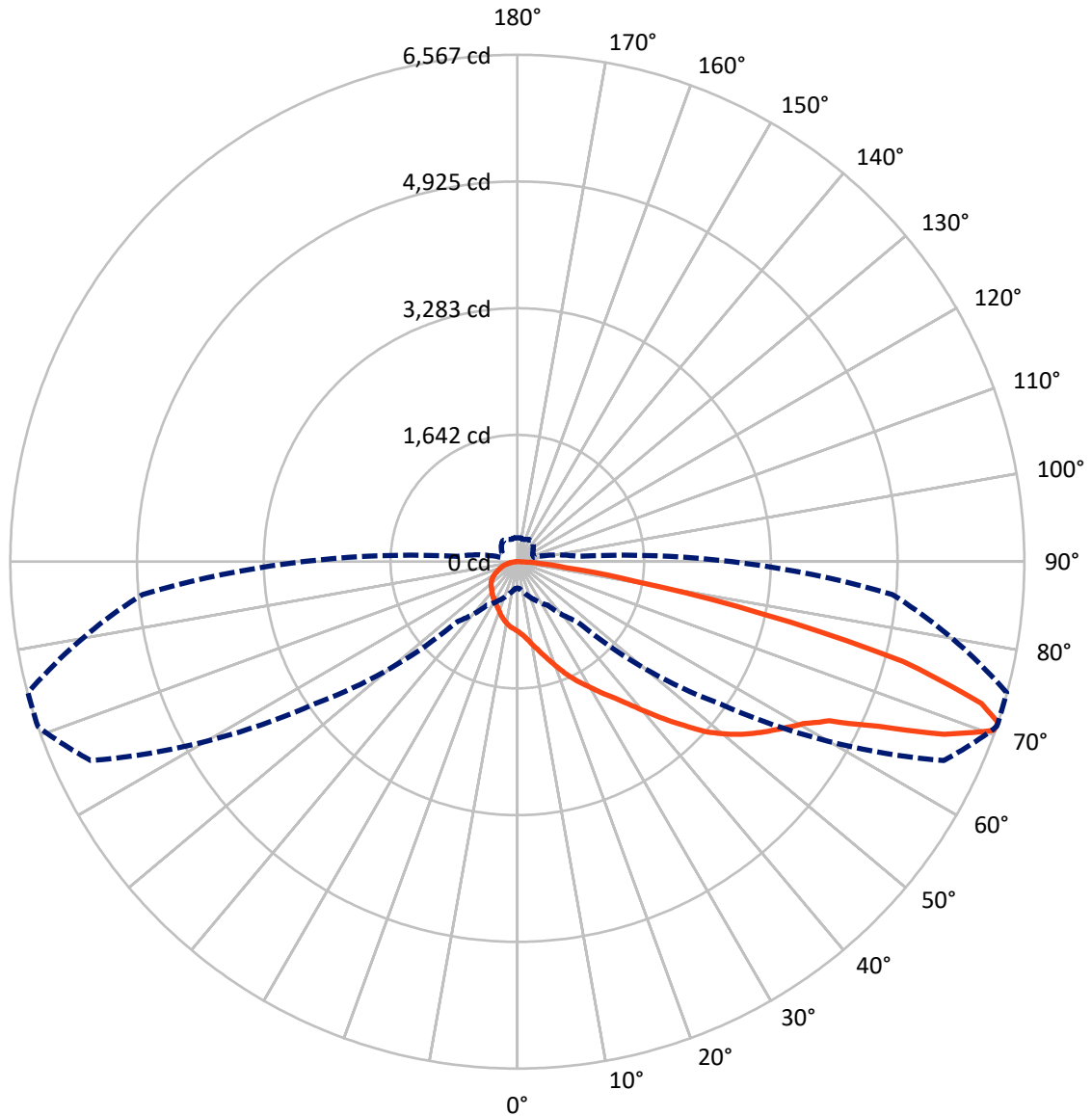
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1318.8	0.0	1318.8
	% Fixture	18.0	0.0	18.0
Street Side	Lumens	6014.2	0.0	6014.2
	% Fixture	82.0	0.0	82.0
Total	Lumens	7333.0	0.0	7333.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.4	1.2
10°-20°	293.6	4.0
20°-30°	513.1	7.0
30°-40°	763.1	10.4
40°-50°	1124.4	15.3
50°-60°	1574.1	21.5
60°-70°	1760.6	24.0
70°-80°	1075.4	14.7
80°-90°	138.3	1.9
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°	7333.0	100.0
0°-180°	7333.0	100.0

Coefficient of Utilization



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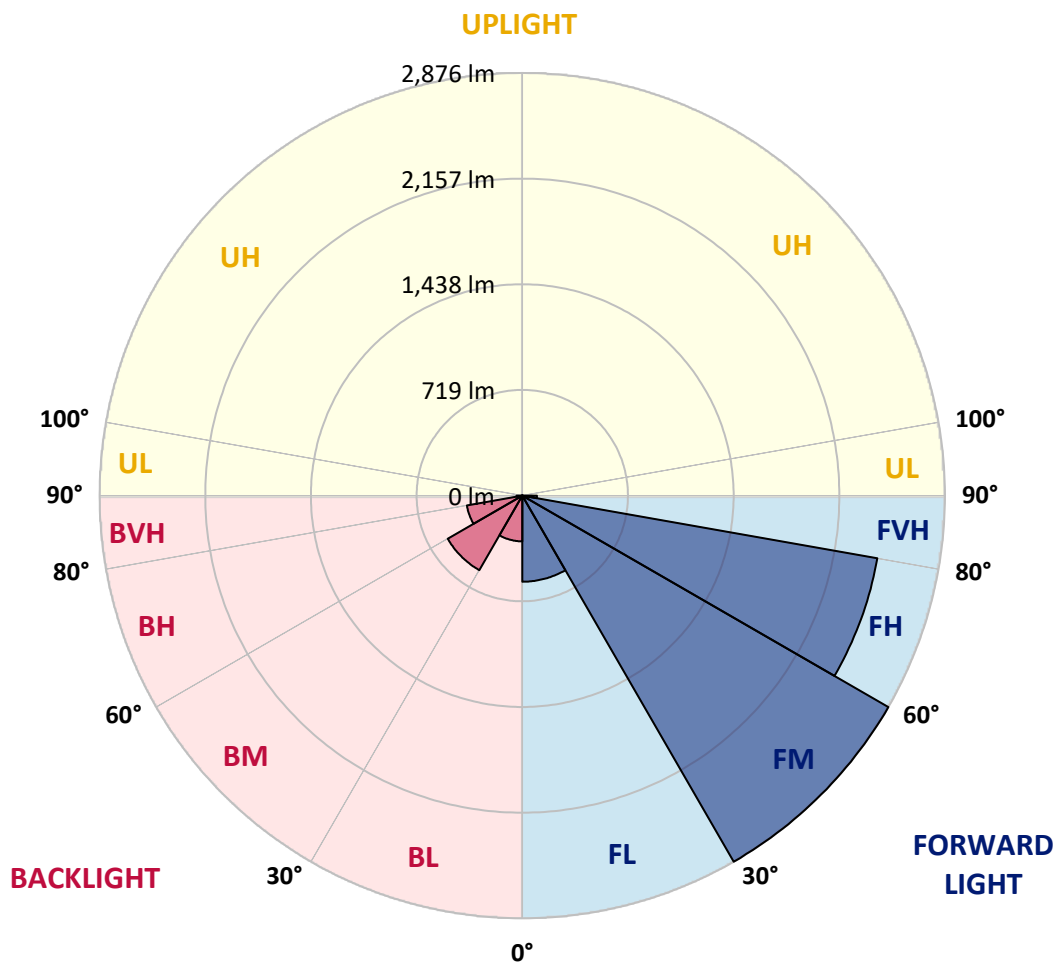
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	585.9	8.0			
FM (30°-60°)	2875.9	39.2			
FH (60°-80°)	2452.9	33.4			G2/5000
FVH (80°-90°)	99.5	1.4			G1/100
BL (0°-30°)	311.1	4.2	B1/500		
BM (30°-60°)	585.7	8.0	B1/1000		
BH (60°-80°)	383.2	5.2	B1/500		G1/500
BVH (80°-90°)	38.8	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 II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	900.0	900.0	900.0	900.0	900.0	900.0	900.0	900.0	900.0	900.0	900.0
2.5°	999.1	994.3	994.7	987.8	979.0	969.3	955.6	943.5	933.8	928.2	911.7
5°	1107.1	1102.3	1096.3	1081.3	1074.9	1051.1	1020.9	993.5	972.5	960.8	927.8
7.5°	1194.6	1193.4	1191.8	1183.3	1166.8	1133.7	1107.9	1060.4	1029.4	1007.2	950.8
10°	1248.6	1250.6	1251.8	1253.4	1246.6	1229.3	1193.8	1133.7	1094.2	1066.0	980.6
12.5°	1276.0	1278.0	1284.9	1299.8	1309.1	1307.0	1278.0	1219.2	1164.8	1127.7	1012.4
15°	1292.9	1296.2	1308.3	1328.0	1359.0	1378.8	1364.7	1310.3	1250.6	1206.7	1050.3
17.5°	1311.5	1315.1	1328.4	1356.6	1397.3	1440.1	1455.4	1408.6	1343.7	1291.3	1092.6
20°	1322.0	1326.8	1345.7	1382.8	1430.4	1492.4	1543.2	1518.6	1447.7	1389.7	1141.4
22.5°	1338.9	1342.9	1359.0	1398.5	1455.4	1533.2	1631.1	1625.9	1563.4	1488.4	1195.0
25°	1384.8	1391.3	1399.3	1423.1	1477.9	1574.7	1704.0	1740.3	1675.4	1591.6	1244.2
27.5°	1471.5	1476.7	1476.3	1479.5	1510.6	1610.5	1767.3	1853.6	1786.7	1696.0	1291.7
30°	1570.2	1572.2	1573.9	1566.6	1573.5	1647.2	1825.4	1965.6	1898.7	1803.2	1333.2
32.5°	1690.3	1694.4	1680.7	1662.1	1656.5	1701.6	1873.3	2077.7	2031.3	1912.0	1374.4
35°	1832.2	1842.7	1814.9	1782.2	1759.3	1779.8	1937.8	2192.1	2167.1	2051.1	1428.8
37.5°	1994.2	2007.1	1981.3	1917.2	1884.6	1890.2	2022.0	2333.6	2338.8	2209.4	1509.8
40°	2126.8	2143.8	2144.6	2053.9	2004.3	2010.8	2128.8	2485.9	2546.0	2405.3	1605.3
42.5°	2214.3	2230.8	2248.1	2194.9	2142.9	2179.6	2253.4	2651.2	2778.9	2643.1	1738.7
45°	2310.2	2325.1	2334.8	2310.6	2281.6	2376.7	2403.7	2826.9	3027.2	2908.7	1884.6
47.5°	2421.4	2438.0	2447.2	2424.3	2413.4	2549.6	2565.7	2990.9	3292.4	3166.7	2045.8
50°	2569.8	2582.3	2577.4	2562.9	2560.5	2682.2	2721.3	3144.5	3511.3	3444.4	2213.1
52.5°	2754.4	2769.3	2774.5	2754.0	2744.7	2776.9	2846.6	3284.3	3710.4	3682.9	2391.6
55°	2866.0	2889.8	2969.6	3001.8	3024.0	2899.4	2981.7	3438.7	3888.9	3934.4	2583.5
57.5°	2722.9	2753.5	2932.1	3093.3	3301.7	3205.8	3173.1	3599.9	4067.4	4178.3	2813.2
60°	2373.9	2380.7	2610.9	2907.9	3327.1	3599.5	3572.5	3856.3	4260.9	4424.1	3115.9
62.5°	1646.8	1661.3	1933.4	2407.3	3013.5	3741.4	4252.0	4298.8	4538.2	4792.1	3559.6
65°	849.2	830.3	1078.1	1513.0	2271.9	3404.5	4802.6	5112.5	5139.5	5367.6	4184.3
67.5°	522.7	531.2	647.3	883.5	1343.3	2474.2	4745.0	6106.8	5964.5	6074.2	4764.3
70°	392.6	403.0	482.8	604.6	819.0	1414.7	3816.0	6347.8	6546.5	6518.3	4940.8
71°	341.4	352.3	435.3	550.1	688.0	1091.8	3215.0	6095.5	6566.7	6561.8	4874.3
72.5°	291.0	297.8	362.7	465.9	580.0	765.4	2415.4	5466.8	6286.6	6447.4	4636.9
75°	228.5	233.8	262.8	355.5	456.6	469.9	1296.2	4098.5	5163.3	5469.6	3860.3
77.5°	186.2	189.8	204.7	264.0	352.3	332.9	679.9	2667.7	3234.8	3543.1	2273.9
80°	147.9	151.9	160.8	178.9	264.0	237.4	324.4	1351.8	1562.6	1559.3	907.6
82.5°	114.9	116.1	126.6	131.4	180.6	168.5	175.7	572.3	634.0	654.9	327.7
85°	72.5	76.2	112.0	100.8	108.0	98.7	86.7	227.3	280.1	276.1	131.0
87.5°	22.2	23.4	37.9	42.7	48.0	43.1	31.8	66.9	81.8	88.7	32.6
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°	900.0	900.0	900.0	900.0	900.0	900.0	900.0	900.0	900.0	900.0	900.0
2.5°	905.2	900.8	885.1	872.2	860.1	846.8	835.5	832.3	829.4	828.2	827.8
5°	913.7	900.4	869.4	844.0	823.8	805.3	793.6	788.3	783.1	783.1	784.7
7.5°	925.8	901.6	853.6	815.7	790.4	773.0	764.6	763.8	765.0	766.2	766.6
10°	939.1	900.8	830.7	783.5	760.9	752.9	753.3	760.1	766.6	771.4	772.2
12.5°	952.0	896.0	803.7	753.3	738.8	740.4	751.7	767.0	779.5	786.3	786.7
15°	966.5	888.3	771.0	724.7	719.8	732.3	753.3	776.7	795.6	806.9	808.1
17.5°	978.6	875.4	736.8	696.9	702.9	725.9	754.9	785.1	808.1	822.2	824.6
20°	992.3	858.9	701.3	670.3	687.6	718.6	751.7	784.3	808.1	821.8	825.0
22.5°	1003.2	835.5	667.4	648.5	673.9	709.7	740.8	767.0	786.3	793.6	798.4
25°	1007.6	806.1	635.6	630.8	663.0	695.2	716.2	731.1	737.2	736.3	738.4
27.5°	1005.2	772.2	608.2	616.6	649.3	672.7	683.1	681.9	671.1	661.0	665.8
30°	995.1	731.9	585.2	602.1	631.6	644.5	642.8	627.1	606.6	587.6	588.8
32.5°	977.0	688.4	563.8	585.6	606.6	612.2	601.3	580.8	551.4	526.8	523.1
35°	961.6	646.9	544.9	566.7	581.6	578.8	568.3	541.7	515.1	493.3	489.7
37.5°	959.2	611.4	526.8	545.3	553.8	549.7	536.8	514.3	504.6	488.1	486.1
40°	972.1	586.4	508.2	522.7	526.8	523.5	509.4	496.5	505.4	501.4	501.4
42.5°	1007.2	573.1	491.7	500.2	503.4	505.8	495.7	484.9	495.7	477.2	471.1
45°	1062.8	573.5	476.8	478.0	487.7	496.1	489.3	473.2	467.5	430.4	423.2
47.5°	1144.6	587.2	464.7	457.0	474.4	488.5	478.8	455.4	430.4	405.9	401.4
50°	1240.1	611.8	453.8	435.3	456.6	478.8	471.6	444.1	418.4	403.4	400.6
52.5°	1346.1	642.8	440.5	411.1	434.9	474.4	473.2	442.5	407.1	397.0	394.6
55°	1477.1	673.5	424.0	382.9	415.5	470.7	468.7	429.2	404.6	397.4	396.6
57.5°	1629.5	717.8	400.2	354.3	393.4	455.8	451.4	421.2	396.6	391.3	390.9
60°	1874.9	786.7	366.4	328.1	370.8	429.6	435.3	407.5	383.7	382.5	382.1
62.5°	2197.8	883.5	331.3	301.1	344.6	395.8	411.9	388.9	370.0	376.0	376.8
65°	2643.5	964.9	295.0	278.1	315.6	363.1	389.7	371.6	354.7	366.4	366.4
67.5°	2934.1	966.5	262.0	254.3	286.2	335.7	366.4	351.0	334.9	354.7	355.5
70°	2873.7	846.8	234.6	229.3	257.5	306.3	340.6	328.5	309.9	327.7	321.2
71°	2776.1	780.3	223.7	219.7	246.3	292.2	328.5	318.4	299.9	311.5	307.9
72.5°	2620.5	677.5	206.0	206.8	229.3	274.5	311.5	301.1	282.5	289.0	287.8
75°	2215.1	591.7	176.1	179.8	197.1	244.2	277.7	269.6	250.7	250.7	249.5
77.5°	1384.8	413.5	146.3	148.3	167.3	209.2	238.6	231.7	213.6	207.6	206.0
80°	516.7	213.6	114.5	116.9	128.6	164.8	197.5	191.0	172.5	165.6	159.2
82.5°	195.5	107.2	84.2	82.2	94.7	125.7	154.8	147.1	132.6	116.1	111.2
85°	73.8	53.2	51.6	50.0	55.6	74.6	95.9	94.3	79.0	67.3	66.1
87.5°	19.3	17.3	20.2	14.9	15.7	14.1	14.5	6.0	2.8	1.2	0.8
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)