

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: P193799

Luminaire Tested: **GAN-AF-01-LED-U-SL4-8030-1200**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P193799
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24294)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-AF-01-LED-U-SL4-8030-1200
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5301 lumens
Efficiency: N/A
Efficacy: 79.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 67
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

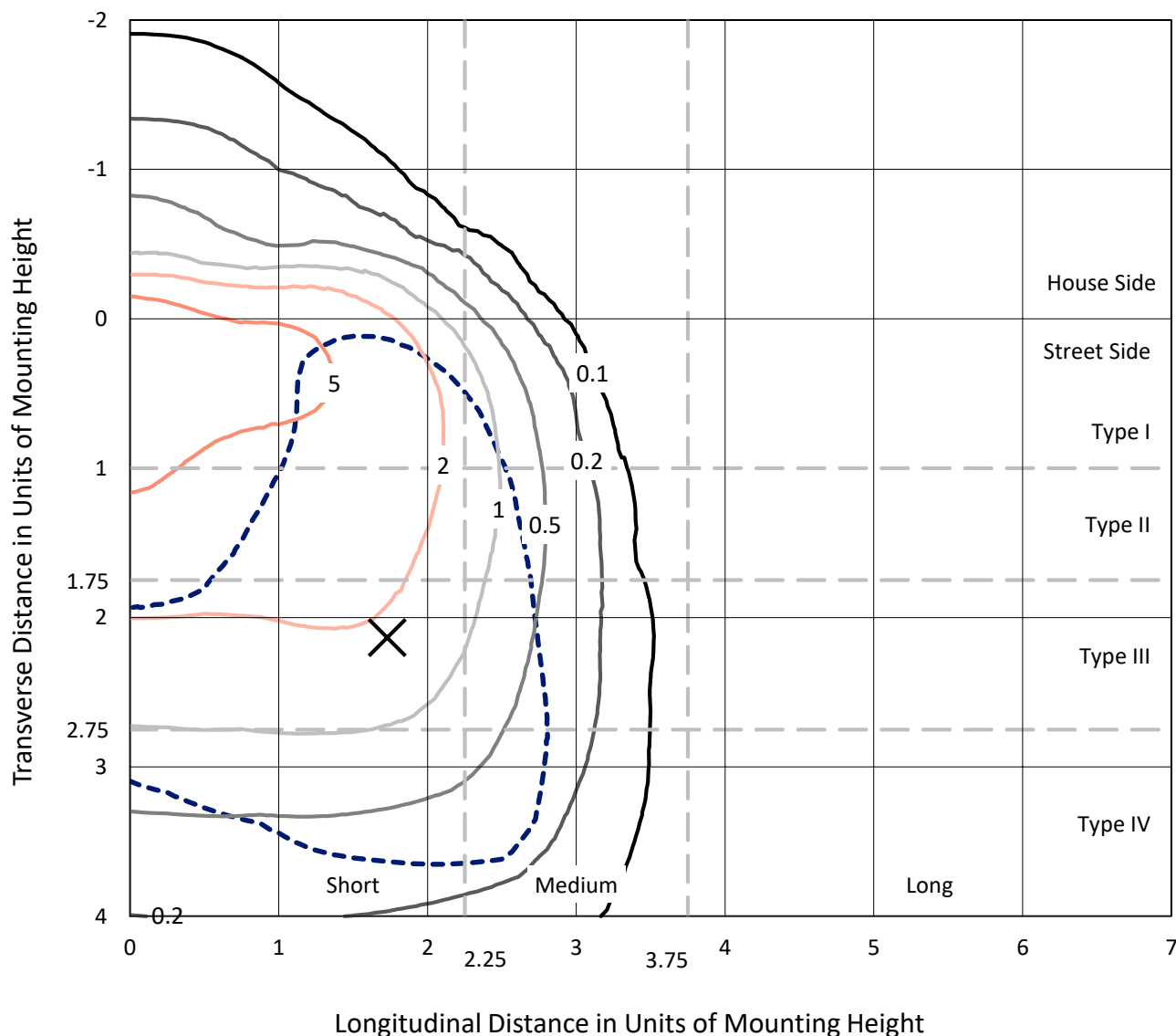


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

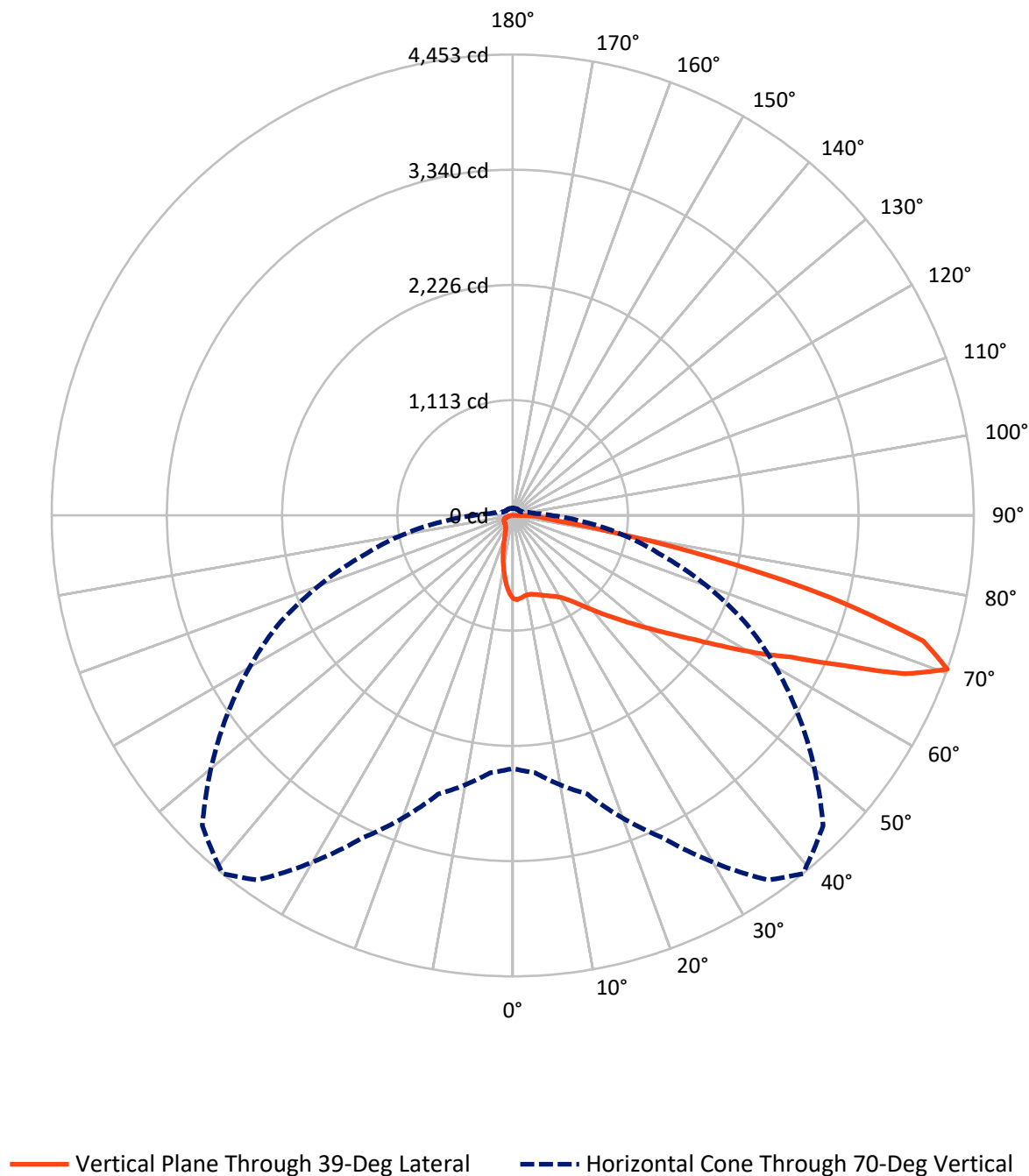


Based on 10 foot mounting height. Maximum calculated value = 8 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	602.9	0.0	602.9
	% Fixture	11.4	0.0	11.4
Street Side	Lumens	4698.1	0.0	4698.1
	% Fixture	88.6	0.0	88.6
Total	Lumens	5301.0	0.0	5301.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.1	1.3
10°-20°	172.6	3.3
20°-30°	268.8	5.1
30°-40°	418.7	7.9
40°-50°	703.0	13.3
50°-60°	1116.8	21.1
60°-70°	1489.6	28.1
70°-80°	899.6	17.0
80°-90°	162.8	3.1
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°	5301.0	100.0
0°-180°	5301.0	100.0

Coefficient of Utilization



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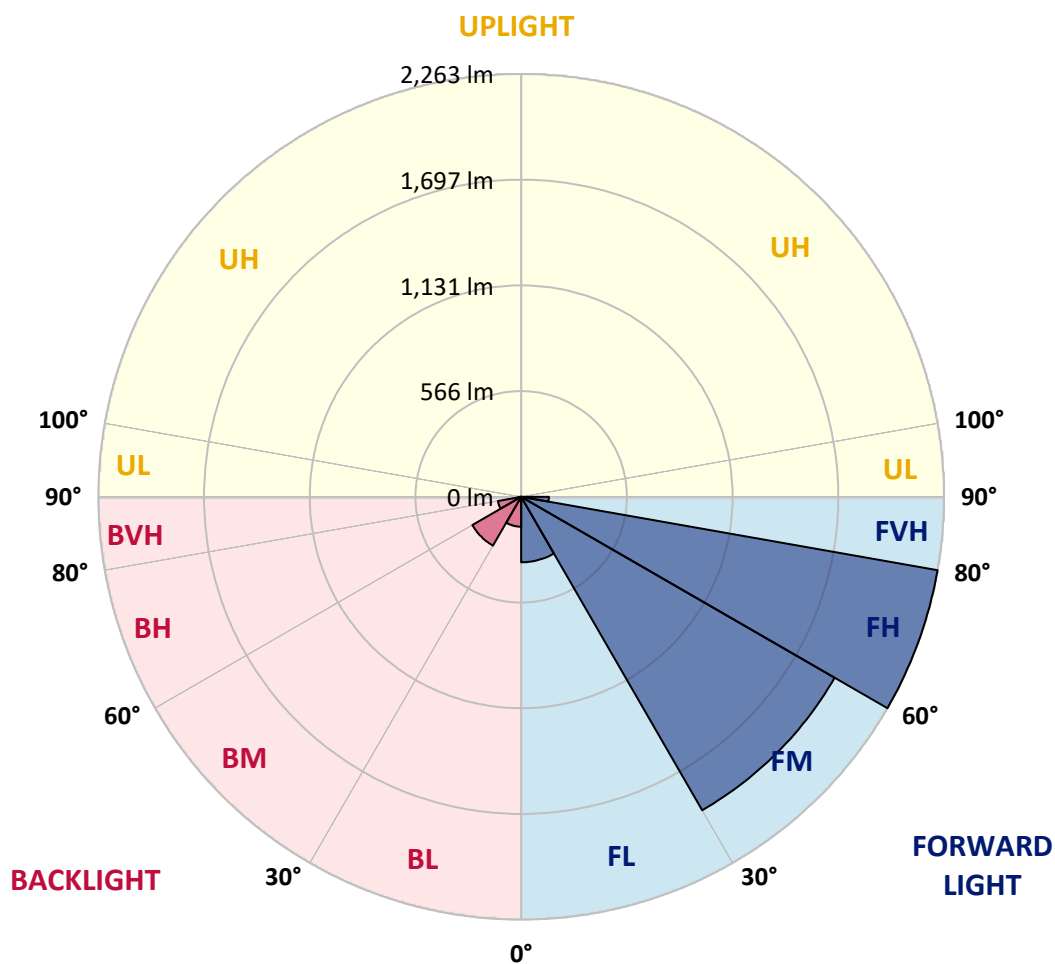
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	350.6	6.6			
FM	(30°-60°)	1936.8	36.5			
FH	(60°-80°)	2262.6	42.7			G2/5000
FVH	(80°-90°)	148.1	2.8			G2/225
BL	(0°-30°)	159.9	3.0	B1/500		
BM	(30°-60°)	301.7	5.7	B1/1000		
BH	(60°-80°)	126.6	2.4	B1/500		G1/500
BVH	(80°-90°)	14.7	0.3			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°	39°	45°	55°	65°	75°	85°
0°	804.8	804.8	804.8	804.8	804.8	804.8	804.8	804.8	804.8	804.8	804.8
2.5°	820.4	820.1	818.0	816.4	815.0	814.5	815.6	811.5	808.0	803.7	799.1
5°	814.2	813.9	810.4	807.2	804.0	802.9	802.6	795.3	791.0	784.6	775.9
7.5°	807.5	806.1	801.5	796.1	790.5	787.8	785.1	775.7	770.8	764.3	754.4
10°	800.5	798.8	794.5	789.1	783.8	779.7	775.1	766.0	760.8	756.0	744.4
12.5°	793.2	791.8	790.8	788.3	784.6	781.1	777.6	769.7	764.3	758.7	745.2
15°	792.1	791.6	794.0	795.6	793.5	791.3	787.5	780.8	775.1	769.5	751.9
17.5°	800.7	800.5	806.7	811.0	809.9	806.1	801.0	793.5	788.9	784.0	762.2
20°	819.6	820.9	828.5	834.2	828.8	823.4	815.0	804.5	802.1	799.9	772.7
22.5°	855.2	856.5	861.9	864.1	850.1	842.2	830.6	817.2	815.6	817.2	785.4
25°	910.7	909.3	908.5	900.5	874.8	862.7	847.9	833.9	834.7	842.0	803.2
27.5°	984.3	977.0	965.7	941.4	900.7	887.2	869.2	856.3	861.4	875.4	829.8
30°	1060.5	1052.5	1026.3	986.7	934.7	919.9	899.6	885.1	898.6	920.7	865.4
32.5°	1131.2	1130.1	1091.8	1040.9	981.6	968.6	948.4	932.0	953.8	987.5	918.8
35°	1208.2	1210.7	1164.8	1103.7	1044.9	1031.4	1016.9	1004.5	1033.6	1079.9	996.1
37.5°	1290.7	1295.6	1241.4	1172.4	1117.1	1111.5	1102.9	1097.5	1142.5	1206.6	1104.2
40°	1400.9	1396.1	1320.9	1250.0	1205.8	1205.5	1202.8	1209.3	1284.2	1372.1	1243.0
42.5°	1519.0	1504.7	1405.3	1333.3	1303.1	1312.3	1317.7	1344.1	1454.8	1573.2	1412.3
45°	1646.2	1614.1	1492.8	1421.4	1411.2	1430.6	1448.9	1506.3	1655.6	1802.0	1597.7
47.5°	1747.8	1716.8	1583.4	1513.9	1536.2	1565.6	1600.9	1691.8	1880.4	2038.3	1780.7
50°	1827.9	1807.6	1674.8	1621.7	1674.0	1719.2	1776.9	1901.7	2114.4	2268.5	1950.2
52.5°	1905.5	1890.4	1766.9	1732.2	1835.7	1898.2	1976.6	2127.0	2354.2	2494.9	2092.8
55°	1975.6	1964.8	1866.1	1869.9	2025.9	2107.3	2206.0	2383.6	2615.7	2696.8	2213.5
57.5°	2054.5	2040.8	1979.3	2042.7	2270.4	2376.1	2504.3	2672.0	2860.9	2876.3	2305.4
60°	2134.0	2122.2	2104.9	2242.1	2580.9	2691.9	2813.5	2951.5	3109.7	3015.6	2300.0
62.5°	2203.0	2204.4	2234.8	2451.5	2884.9	3013.5	3161.7	3298.1	3334.7	3039.9	2130.0
65°	2320.0	2341.3	2432.1	2748.0	3312.9	3484.8	3666.8	3644.9	3397.0	2813.2	1765.3
67.5°	2459.1	2496.5	2680.6	3143.1	3853.8	4082.1	4152.4	3723.4	3147.7	2286.8	1258.4
70°	2445.0	2496.5	2787.9	3437.7	4299.6	4452.7	4239.2	3369.8	2499.5	1493.9	668.4
72.5°	2171.2	2244.8	2569.3	3302.6	4159.2	4145.7	3680.2	2512.2	1485.0	599.9	261.2
75°	1654.8	1729.2	2008.4	2609.2	3287.3	3174.1	2611.3	1387.7	563.6	238.3	164.7
77.5°	951.9	1009.6	1225.2	1600.1	2085.5	1969.4	1453.5	617.2	274.4	166.0	128.6
80°	531.5	563.6	694.5	811.8	1022.0	936.8	650.3	383.5	204.8	120.5	99.2
82.5°	420.2	448.7	561.7	512.1	466.8	430.7	373.5	341.5	163.6	76.0	59.3
85°	367.1	394.3	475.4	403.2	318.8	292.4	303.5	336.1	127.2	45.8	50.7
87.5°	340.1	376.5	423.7	310.8	248.2	219.9	280.0	368.4	41.0	28.6	20.5
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°	804.8	804.8	804.8	804.8	804.8	804.8	804.8	804.8	804.8	804.8	804.8
2.5°	795.1	790.8	783.8	777.6	767.9	762.7	757.1	753.0	749.8	747.1	751.4
5°	770.5	762.5	747.6	731.7	712.9	698.0	685.6	674.1	666.0	660.6	664.4
7.5°	747.4	734.2	711.0	682.1	649.8	622.3	599.7	579.7	566.0	557.1	560.6
10°	734.2	717.7	681.9	636.6	588.9	546.0	510.5	479.7	458.4	446.3	448.2
12.5°	730.9	709.6	660.0	597.8	532.6	473.0	422.9	380.3	350.4	334.7	335.3
15°	733.4	706.1	639.6	560.6	478.1	402.9	340.4	288.7	253.9	236.1	235.8
17.5°	737.4	703.4	618.0	520.4	422.9	335.5	265.7	215.1	184.3	170.1	169.0
20°	741.7	699.1	593.7	477.0	365.5	273.0	208.1	168.4	149.0	141.2	140.7
22.5°	747.9	695.4	568.7	431.2	309.1	222.4	171.1	144.5	134.2	130.2	129.6
25°	757.9	693.5	542.0	383.5	258.5	186.0	149.0	132.6	126.7	124.0	123.7
27.5°	774.6	696.2	516.9	337.2	217.2	161.4	136.6	126.7	122.4	119.9	119.7
30°	796.1	704.5	490.5	293.2	185.2	144.7	129.1	122.6	119.1	116.7	116.7
32.5°	832.0	718.5	462.8	255.2	162.2	133.1	123.4	119.1	116.2	114.3	114.0
35°	884.8	744.9	436.9	223.7	145.8	124.8	118.6	115.4	113.2	112.1	112.1
37.5°	961.6	786.7	414.0	201.1	135.8	119.1	114.0	111.6	110.2	110.2	110.2
40°	1064.9	844.4	395.4	186.0	130.2	115.1	110.5	108.6	107.8	108.1	108.1
42.5°	1192.3	919.3	383.0	175.5	127.5	112.7	108.1	106.5	105.7	105.4	105.7
45°	1337.6	1004.5	381.6	167.6	124.8	111.0	106.5	104.8	103.2	102.1	102.1
47.5°	1478.8	1091.0	392.7	164.9	121.8	109.2	105.1	103.5	101.1	98.6	98.6
50°	1603.6	1164.6	407.5	166.0	120.7	106.5	103.0	102.1	98.4	95.7	95.4
52.5°	1702.8	1221.2	419.6	169.3	121.8	104.6	100.3	100.5	96.5	93.5	93.3
55°	1782.3	1258.4	416.4	172.5	124.2	103.5	97.8	98.4	95.1	92.2	92.2
57.5°	1817.1	1244.6	380.6	169.8	126.1	103.8	95.9	98.1	95.4	92.7	92.7
60°	1742.4	1122.5	313.4	157.9	123.7	103.0	95.1	99.2	98.9	96.2	95.9
62.5°	1516.6	904.0	243.1	140.4	115.4	98.9	93.0	98.9	101.9	101.1	100.8
65°	1168.9	643.9	185.7	121.6	104.0	92.2	87.3	92.7	96.8	97.8	97.6
67.5°	758.7	394.6	143.1	103.8	91.4	84.4	80.0	82.5	83.3	83.3	82.7
70°	373.0	212.4	114.0	87.3	78.4	76.0	73.6	72.2	70.9	69.8	69.8
72.5°	184.1	138.8	93.8	73.8	67.6	66.6	66.0	64.4	63.3	62.0	61.4
75°	136.1	112.9	79.8	62.3	58.2	57.1	58.2	56.9	56.6	55.5	55.0
77.5°	111.8	96.2	68.7	53.4	49.9	48.0	49.6	49.9	50.1	48.5	48.0
80°	90.8	81.4	57.4	44.2	41.0	39.6	40.7	42.9	43.4	41.0	39.9
82.5°	65.5	66.6	46.4	34.5	31.8	30.7	32.9	35.6	36.1	32.6	31.8
85°	55.0	55.5	35.6	24.5	21.8	20.2	23.7	26.4	28.3	24.8	24.0
87.5°	22.9	32.6	20.5	13.7	12.1	10.5	12.7	14.0	17.0	15.6	15.4
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)