

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: P321837

Luminaire Tested: **GAN-SA3B-727-U-T2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P321837
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3B-727-U-T2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10380 lumens
Efficiency: N/A
Efficacy: 83.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 124
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: 24 FT

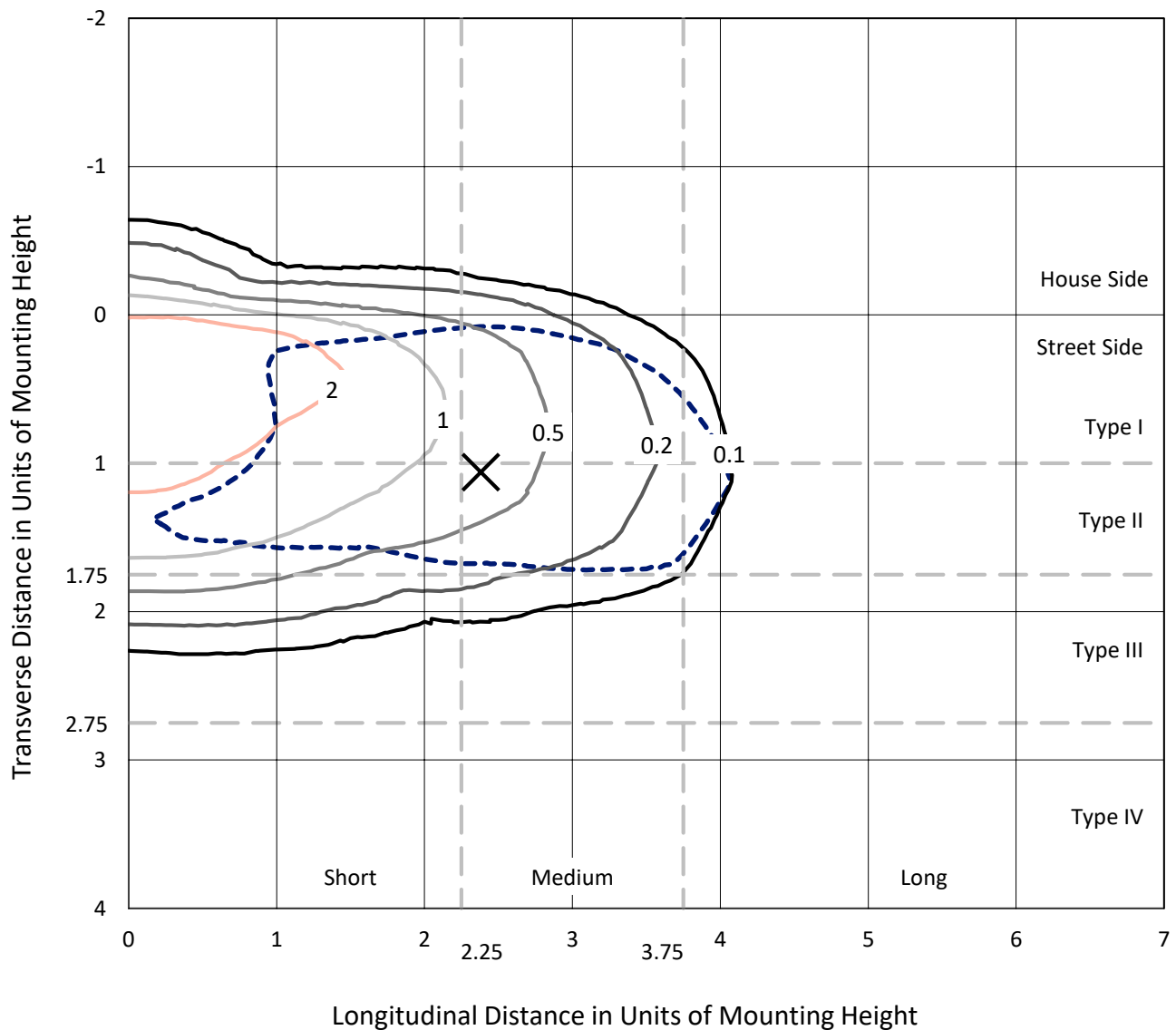


REPORT NUMBER: P321837

CATALOG NUMBER: GAN-SA3B-727-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

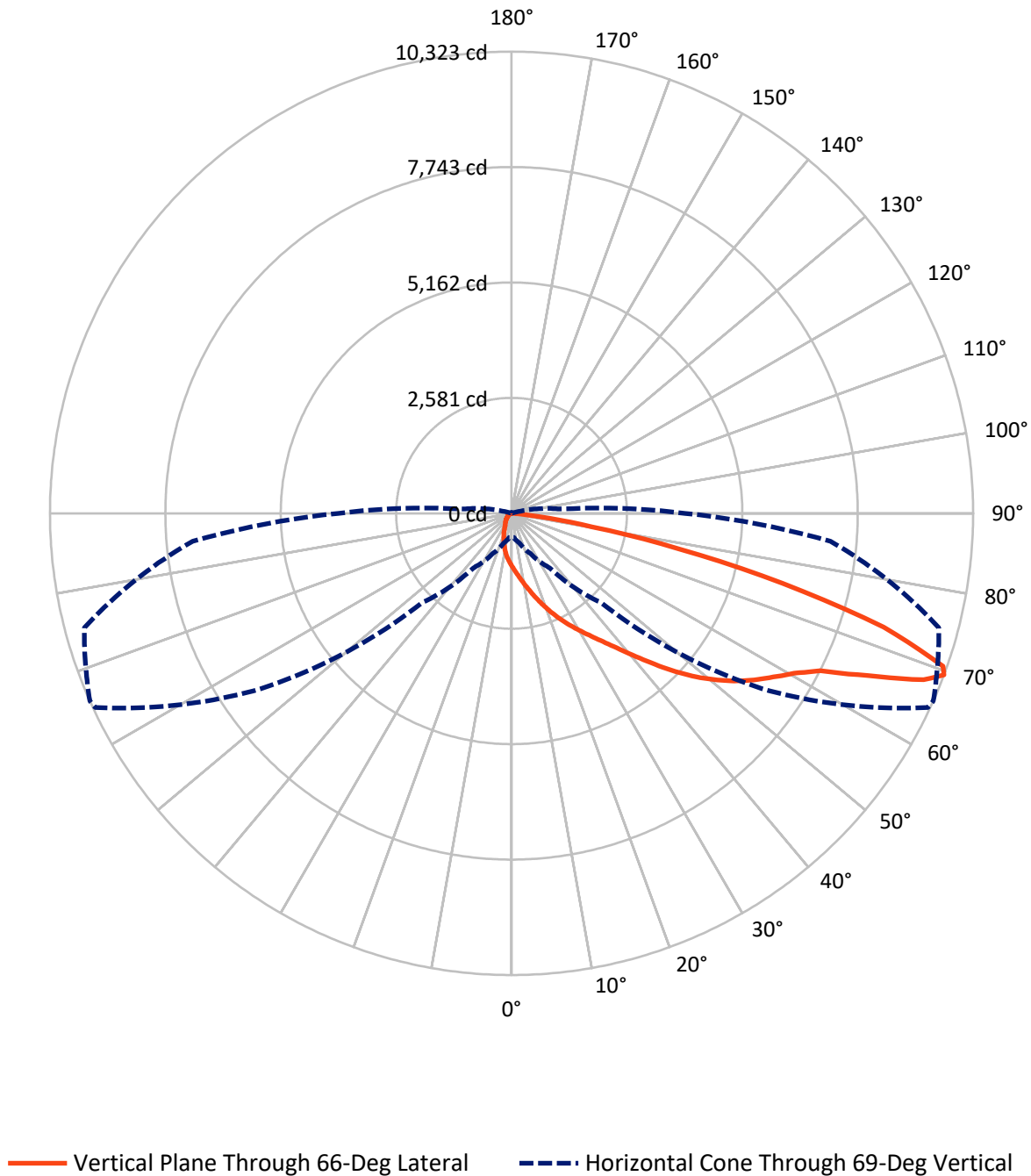
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type II - Medium - N/A

REPORT NUMBER: P321837
CATALOG NUMBER: GAN-SA3B-727-U-T2-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P321837

CATALOG NUMBER: GAN-SA3B-727-U-T2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	622.7	0.0	622.7
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	9757.3	0.0	9757.3
	% Fixture	94.0	0.0	94.0
Total	Lumens	10380.0	0.0	10380.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.2	1.1
10°-20°	339.8	3.3
20°-30°	591.8	5.7
30°-40°	1038.3	10.0
40°-50°	1737.9	16.7
50°-60°	2554.6	24.6
60°-70°	2622.9	25.3
70°-80°	1294.9	12.5
80°-90°	85.6	0.8
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°	10380.0	100.0
0°-180°	10380.0	100.0

Coefficient of Utilization



REPORT NUMBER: P321837

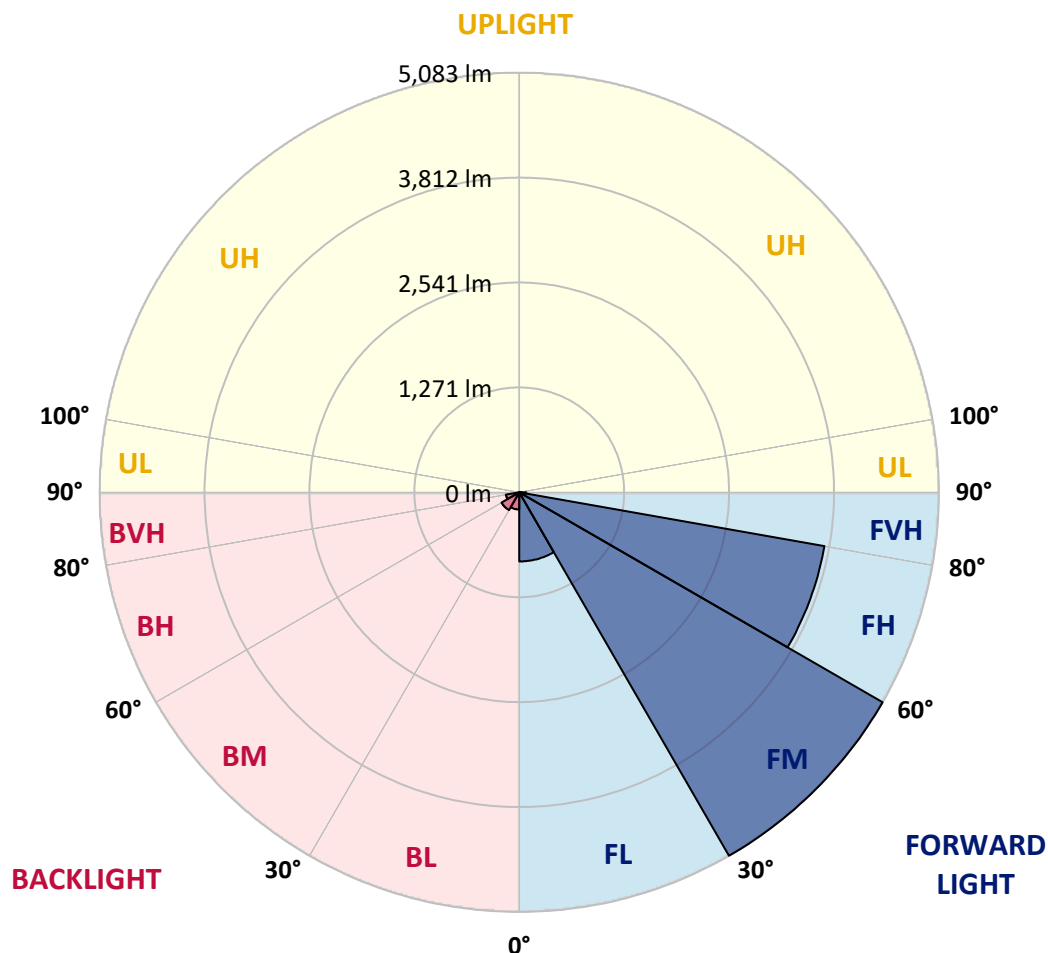
CATALOG NUMBER: GAN-SA3B-727-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	837.6	8.1			
FM	(30°-60°)	5082.5	49.0			
FH	(60°-80°)	3753.7	36.2			G2/5000
FVH	(80°-90°)	83.5	0.8			G1/100
BL	(0°-30°)	208.2	2.0	B1/500		
BM	(30°-60°)	248.3	2.4	B1/1000		
BH	(60°-80°)	164.1	1.6	B1/500		G1/500
BVH	(80°-90°)	2.1	0.0			G0/10
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: P321837

CATALOG NUMBER: GAN-SA3B-727-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1181.3	1181.3	1181.3	1181.3	1181.3	1181.3	1181.3	1181.3	1181.3	1181.3	1181.3
2.5°	1390.3	1384.4	1381.9	1371.1	1352.4	1338.1	1310.4	1278.4	1272.5	1241.4	1203.5
5°	1570.8	1565.8	1562.4	1547.1	1527.9	1491.9	1441.6	1381.9	1370.6	1311.4	1235.5
7.5°	1696.5	1705.4	1705.4	1695.5	1671.3	1644.2	1582.6	1501.2	1487.0	1396.2	1278.4
10°	1769.9	1780.8	1789.2	1797.6	1794.1	1783.3	1725.1	1633.4	1616.1	1495.8	1328.2
12.5°	1776.8	1787.7	1811.4	1846.4	1880.4	1905.0	1868.5	1779.8	1760.1	1611.2	1387.4
15°	1738.4	1749.7	1786.2	1854.3	1936.6	2008.6	2020.4	1942.0	1921.8	1748.7	1461.3
17.5°	1671.3	1678.7	1731.0	1825.2	1954.3	2086.5	2158.0	2116.0	2097.3	1906.0	1543.6
20°	1621.5	1627.0	1672.8	1773.9	1943.5	2135.3	2288.1	2300.9	2281.2	2074.6	1632.9
22.5°	1706.8	1716.7	1718.2	1766.0	1913.9	2159.4	2402.5	2482.9	2468.1	2253.6	1720.6
25°	1940.0	1951.4	1913.9	1884.3	1939.0	2170.3	2500.6	2669.2	2657.4	2446.4	1808.9
27.5°	2248.2	2260.0	2211.7	2123.4	2070.7	2211.2	2587.9	2858.5	2858.0	2650.5	1904.0
30°	2550.9	2562.7	2513.4	2425.2	2303.9	2327.1	2663.3	3056.7	3059.7	2861.0	2005.1
32.5°	2868.4	2883.2	2832.4	2719.0	2592.3	2527.2	2769.3	3255.9	3272.7	3105.0	2119.0
35°	3229.3	3231.3	3159.8	3041.0	2895.0	2794.9	2939.4	3479.2	3519.2	3407.3	2263.5
37.5°	3583.3	3597.6	3538.9	3351.6	3217.5	3104.1	3192.3	3758.3	3815.0	3776.5	2452.3
40°	3845.6	3875.6	3867.3	3665.1	3537.9	3457.1	3506.4	4090.1	4162.1	4206.5	2690.4
42.5°	4010.2	4032.9	4071.4	3949.6	3834.2	3847.5	3877.1	4476.6	4565.4	4696.5	2964.0
45°	4199.1	4209.9	4241.9	4188.2	4110.3	4244.4	4270.5	4912.0	5005.1	5223.6	3267.7
47.5°	4429.8	4455.4	4464.3	4415.0	4379.5	4595.4	4649.7	5307.9	5438.5	5788.1	3589.2
50°	4723.6	4730.5	4745.8	4713.8	4678.3	4897.2	4989.9	5723.5	5842.3	6354.5	3906.2
52.5°	5011.1	5035.7	5089.0	5068.7	5054.4	5154.0	5293.1	6098.2	6230.8	6826.9	4222.7
55°	5093.9	5115.1	5299.0	5424.7	5541.1	5470.6	5583.0	6433.9	6577.4	7248.9	4527.4
57.5°	4763.1	4806.0	5124.5	5451.8	5934.5	5962.6	5981.3	6778.5	6907.2	7572.3	4844.4
60°	3926.9	3935.3	4457.9	5019.4	5869.4	6392.0	6563.1	7148.8	7256.8	7873.5	5224.0
62.5°	2497.6	2582.9	3156.3	3949.1	5181.2	6329.9	7266.6	7708.9	7748.3	8234.9	5768.3
65°	1189.7	1244.9	1658.0	2440.0	3752.9	5534.6	7752.3	8722.0	8739.8	8951.3	6495.5
67.5°	658.7	685.3	882.0	1313.4	2193.9	3914.1	7556.0	9922.0	9938.8	9682.9	7133.5
69°	515.2	537.9	692.7	990.0	1487.4	2813.2	6837.7	10273.6	10323.4	9892.5	7156.2
70°	437.3	459.5	596.6	836.2	1196.1	2173.7	6086.3	10186.3	10239.1	9872.7	6987.1
72.5°	267.7	280.5	397.4	588.7	801.7	1093.5	3753.4	8614.5	8703.8	9056.3	6005.0
75°	180.4	187.3	248.5	406.2	573.4	563.0	1949.9	6072.0	6265.3	7044.8	4435.2
77.5°	129.2	135.6	166.6	262.8	401.8	371.7	883.0	3773.6	3815.0	4225.2	2418.8
80°	73.5	79.4	117.8	156.3	272.6	248.0	351.0	1802.5	1823.2	1811.9	807.6
82.5°	38.5	43.4	64.6	103.0	175.0	162.2	145.9	603.5	606.4	504.4	177.0
85°	7.4	8.9	32.0	70.5	90.2	70.5	59.7	141.5	144.5	127.7	43.9
87.5°	0.0	0.5	12.8	15.8	17.7	18.2	19.2	27.6	29.6	39.9	11.8
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: P321837

CATALOG NUMBER: GAN-SA3B-727-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1181.3	1181.3	1181.3	1181.3	1181.3	1181.3	1181.3	1181.3	1181.3	1181.3	1181.3
2.5°	1186.7	1169.0	1134.9	1095.5	1064.9	1034.9	1011.2	986.5	977.7	973.2	972.7
5°	1198.5	1161.1	1089.1	1015.1	954.5	897.3	856.4	817.4	799.2	790.8	787.4
7.5°	1218.3	1158.1	1042.2	929.3	842.1	770.6	713.9	671.5	650.3	641.4	638.0
10°	1241.4	1154.2	987.5	838.6	727.2	653.3	597.0	555.1	532.0	522.1	517.2
12.5°	1268.5	1147.3	924.4	746.9	629.1	555.1	487.1	435.3	408.7	397.4	392.0
15°	1302.1	1140.4	858.3	660.6	542.8	452.6	378.1	343.1	337.7	335.7	336.2
17.5°	1335.1	1129.5	786.4	575.4	452.1	353.5	315.5	313.6	314.5	314.5	314.5
20°	1364.7	1104.9	708.0	502.4	365.8	298.3	290.4	286.9	284.5	282.5	280.0
22.5°	1387.9	1071.8	632.5	429.9	298.8	273.1	260.8	250.0	241.1	235.2	232.2
25°	1403.6	1027.9	563.5	360.4	268.7	248.5	226.3	208.1	194.3	185.9	182.4
27.5°	1415.5	980.6	501.9	301.7	248.0	219.9	190.8	169.1	154.8	147.4	144.5
30°	1423.8	926.9	447.7	265.2	224.8	189.8	158.8	137.6	127.2	123.3	121.3
32.5°	1431.7	867.2	396.4	248.0	203.1	162.2	133.1	116.8	110.4	105.5	104.0
35°	1451.5	812.0	347.6	229.7	180.9	138.5	114.4	102.5	96.1	93.2	92.2
37.5°	1498.3	771.1	300.7	211.0	158.8	119.8	100.1	91.7	85.8	82.8	81.8
40°	1573.7	750.4	261.3	190.8	137.1	105.5	90.7	82.8	76.4	72.0	71.0
42.5°	1684.7	753.3	233.7	170.6	119.8	94.2	81.8	72.5	65.6	61.6	60.6
45°	1819.2	775.0	214.5	150.9	105.5	85.3	72.0	62.1	55.7	52.3	51.3
47.5°	1965.2	810.0	198.7	133.1	94.2	76.9	62.1	51.8	46.3	43.4	42.9
50°	2119.0	844.1	182.4	115.9	84.3	68.5	52.3	42.9	38.5	36.0	35.0
52.5°	2274.8	883.5	167.6	100.1	75.9	58.7	43.4	35.0	31.6	29.6	28.6
55°	2442.4	913.1	153.3	87.8	67.5	49.8	36.0	29.1	26.1	23.7	23.2
57.5°	2639.6	958.9	138.5	75.9	57.7	41.4	29.6	23.2	20.7	18.2	17.7
60°	2905.9	1012.7	122.8	67.1	47.3	34.0	24.2	18.7	15.8	13.8	13.3
62.5°	3256.9	1072.3	103.0	58.7	38.5	27.6	19.2	14.8	11.3	8.9	8.9
65°	3702.1	1169.4	84.3	49.3	31.6	22.7	14.8	10.8	6.4	3.9	3.9
67.5°	3961.9	1186.2	68.0	40.4	25.6	19.2	12.3	7.4	2.0	0.5	0.0
69°	3878.6	1089.1	57.7	34.5	22.2	18.2	11.3	5.4	1.0	0.0	0.0
70°	3721.8	995.9	50.8	30.6	20.2	17.3	10.8	3.9	1.0	0.0	0.0
72.5°	3075.5	709.0	38.5	22.7	14.8	15.3	9.9	2.5	1.0	0.0	0.0
75°	2240.3	430.9	27.6	15.8	9.4	11.3	6.9	1.0	0.5	0.0	0.0
77.5°	1246.4	203.1	17.3	8.9	5.9	6.9	3.5	0.0	0.0	0.0	0.0
80°	404.8	55.2	7.9	4.9	3.5	3.9	1.5	0.0	0.0	0.0	0.0
82.5°	74.9	15.8	4.4	2.5	1.0	1.0	0.0	0.0	0.0	0.0	0.0
85°	16.3	6.4	2.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.4	2.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)