

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: P321825

Luminaire Tested: **GAN-SA1A-727-U-T2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P321825
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-SA1A-727-U-T2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS WITH
HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2902 lumens
Efficiency: N/A
Efficacy: 85.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 34
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

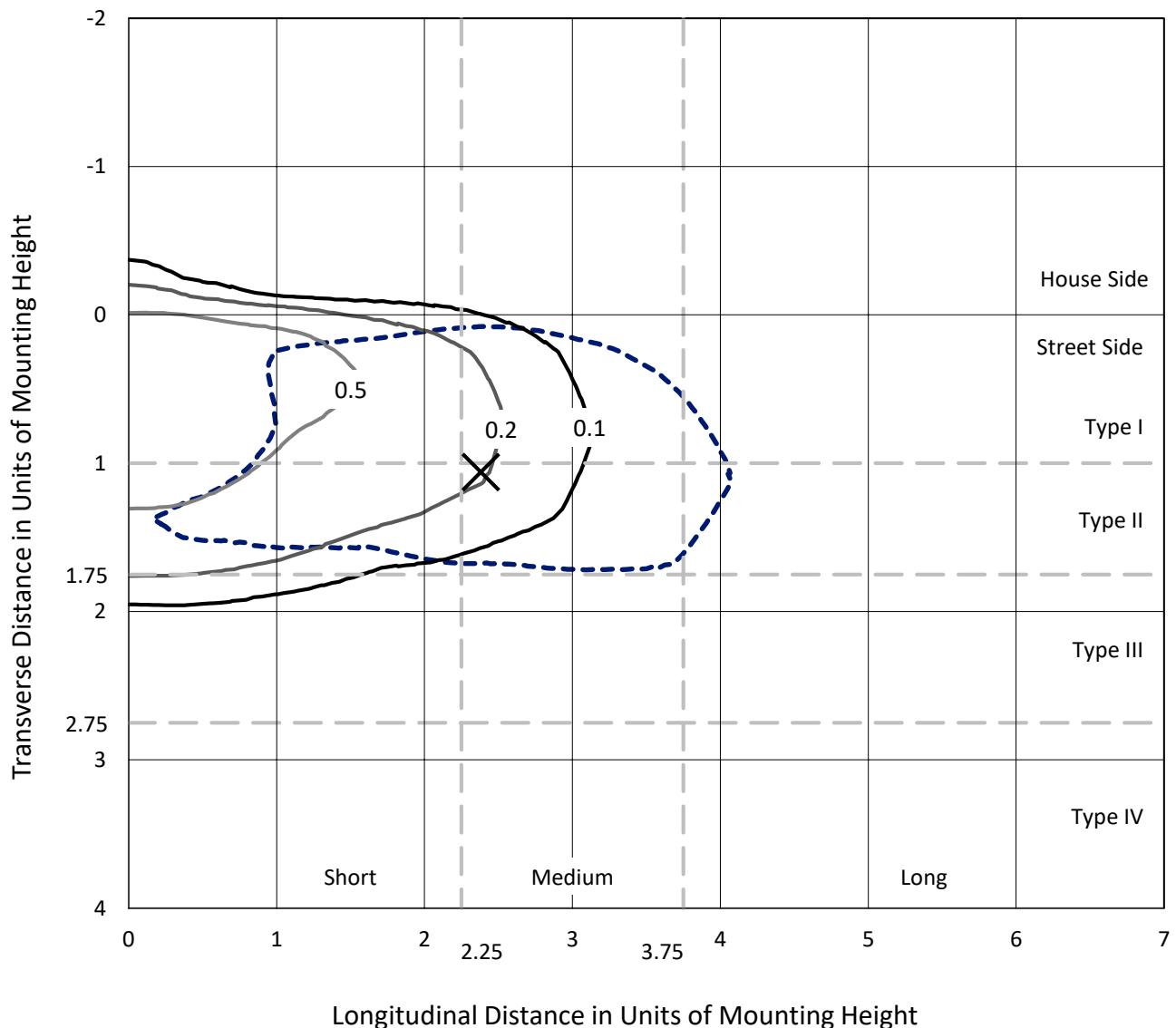


REPORT NUMBER: P321825

CATALOG NUMBER: GAN-SA1A-727-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

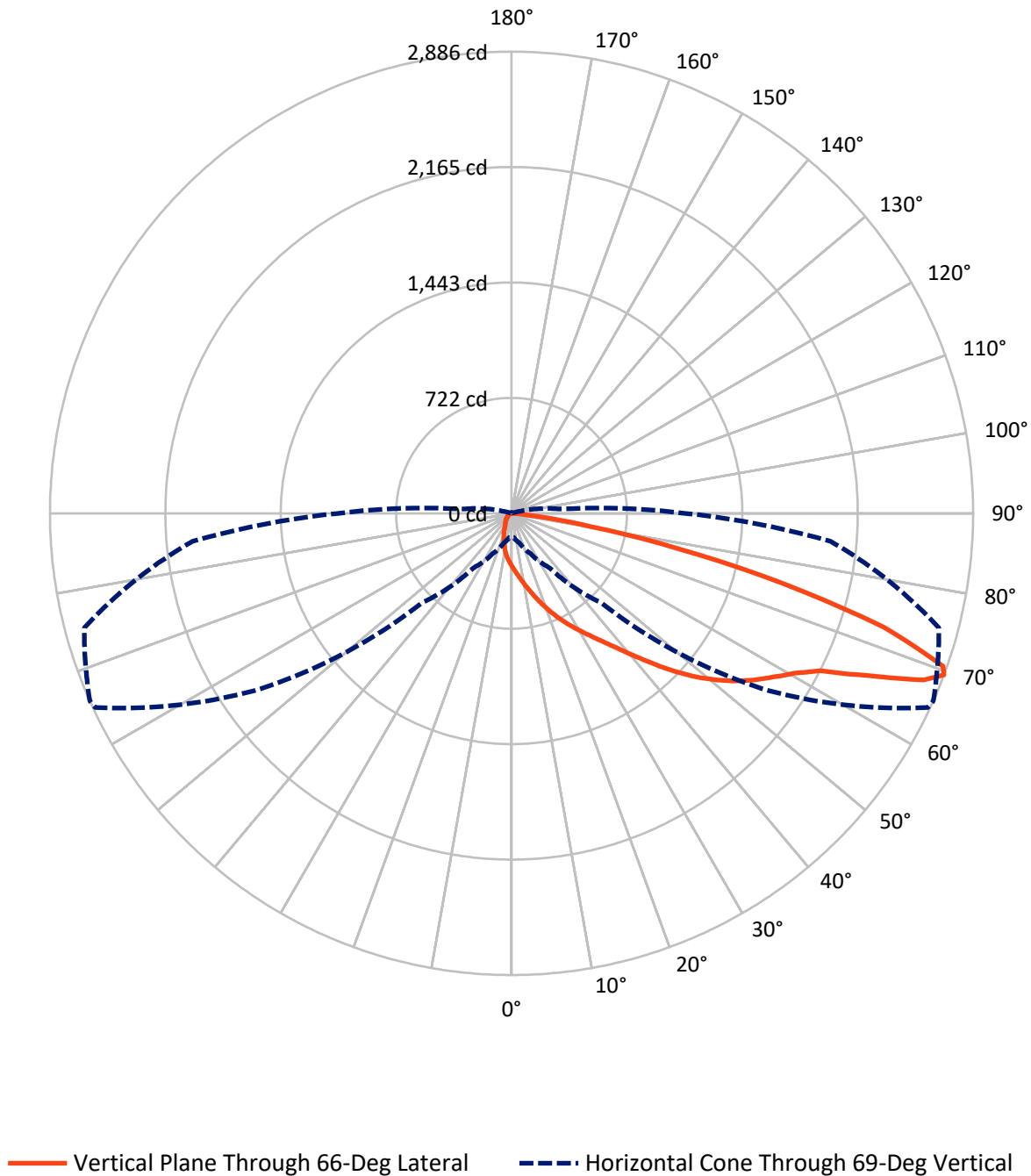
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type II - Medium - N/A

REPORT NUMBER: P321825
CATALOG NUMBER: GAN-SA1A-727-U-T2-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P321825

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	174.1	0.0	174.1
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	2727.9	0.0	2727.9
	% Fixture	94.0	0.0	94.0
Total	Lumens	2902.0	0.0	2902.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.9	1.1
10°-20°	95.0	3.3
20°-30°	165.5	5.7
30°-40°	290.3	10.0
40°-50°	485.9	16.7
50°-60°	714.2	24.6
60°-70°	733.3	25.3
70°-80°	362.0	12.5
80°-90°	23.9	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°	2902.0	100.0
0°-180°	2902.0	100.0

Coefficient of Utilization



REPORT NUMBER: P321825

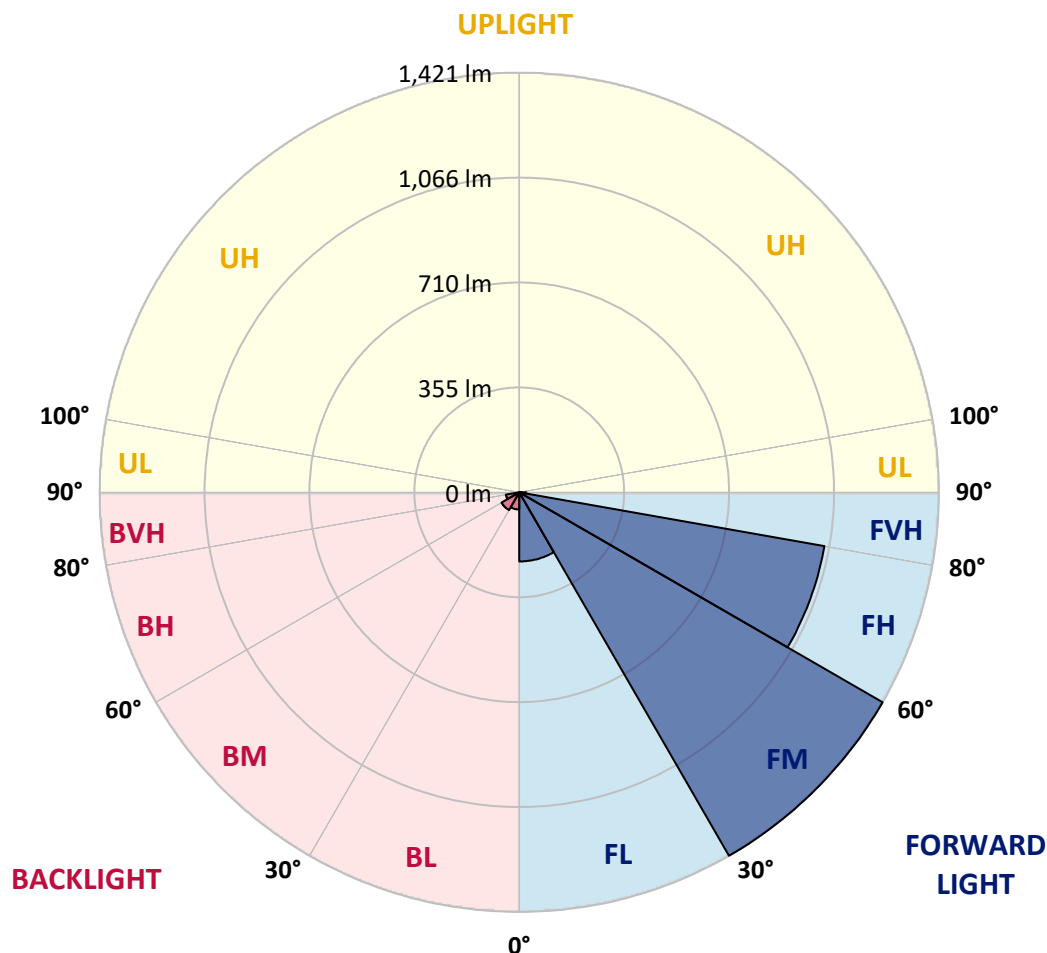
CATALOG NUMBER: GAN-SA1A-727-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	234.2	8.1			
FM	(30°-60°)	1421.0	49.0			
FH	(60°-80°)	1049.4	36.2			G1/1800
FVH	(80°-90°)	23.4	0.8			G1/100
BL	(0°-30°)	58.2	2.0	B0/110		
BM	(30°-60°)	69.4	2.4	B0/220		
BH	(60°-80°)	45.9	1.6	B0/110		G0/110
BVH	(80°-90°)	0.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Medium



REPORT NUMBER: P321825

CATALOG NUMBER: GAN-SA1A-727-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	330.3	330.3	330.3	330.3	330.3	330.3	330.3	330.3	330.3	330.3	330.3
2.5°	388.7	387.0	386.4	383.3	378.1	374.1	366.4	357.4	355.8	347.1	336.5
5°	439.1	437.8	436.8	432.5	427.2	417.1	403.0	386.4	383.2	366.6	345.4
7.5°	474.3	476.8	476.8	474.0	467.3	459.7	442.5	419.7	415.7	390.4	357.4
10°	494.8	497.9	500.2	502.6	501.6	498.6	482.3	456.7	451.8	418.2	371.3
12.5°	496.8	499.8	506.4	516.2	525.7	532.6	522.4	497.6	492.1	450.5	387.9
15°	486.0	489.2	499.4	518.4	541.4	561.5	564.9	542.9	537.3	488.9	408.5
17.5°	467.3	469.3	483.9	510.3	546.4	583.3	603.3	591.6	586.4	532.9	431.6
20°	453.3	454.9	467.7	495.9	543.4	597.0	639.7	643.3	637.8	580.0	456.5
22.5°	477.2	479.9	480.4	493.7	535.1	603.7	671.7	694.1	690.0	630.1	481.1
25°	542.4	545.6	535.1	526.8	542.1	606.8	699.1	746.2	742.9	683.9	505.7
27.5°	628.5	631.8	618.3	593.7	578.9	618.2	723.5	799.2	799.0	741.0	532.3
30°	713.2	716.5	702.7	678.0	644.1	650.6	744.6	854.6	855.4	799.9	560.6
32.5°	801.9	806.1	791.9	760.2	724.7	706.6	774.2	910.3	915.0	868.1	592.4
35°	902.8	903.4	883.4	850.2	809.4	781.4	821.8	972.7	983.9	952.6	632.8
37.5°	1001.8	1005.8	989.4	937.0	899.5	867.8	892.5	1050.7	1066.6	1055.8	685.6
40°	1075.1	1083.5	1081.2	1024.7	989.1	966.5	980.3	1143.5	1163.6	1176.0	752.2
42.5°	1121.2	1127.5	1138.3	1104.2	1072.0	1075.7	1083.9	1251.6	1276.4	1313.0	828.7
45°	1174.0	1177.0	1185.9	1170.9	1149.1	1186.6	1193.9	1373.3	1399.3	1460.4	913.6
47.5°	1238.5	1245.6	1248.1	1234.3	1224.4	1284.8	1299.9	1484.0	1520.5	1618.2	1003.5
50°	1320.6	1322.5	1326.8	1317.9	1307.9	1369.1	1395.0	1600.1	1633.4	1776.6	1092.1
52.5°	1401.0	1407.9	1422.8	1417.1	1413.1	1440.9	1479.8	1704.9	1742.0	1908.6	1180.6
55°	1424.1	1430.1	1481.5	1516.6	1549.1	1529.4	1560.9	1798.8	1838.9	2026.6	1265.8
57.5°	1331.6	1343.6	1432.7	1524.2	1659.1	1667.0	1672.2	1895.1	1931.1	2117.0	1354.4
60°	1097.9	1100.2	1246.3	1403.3	1640.9	1787.1	1834.9	1998.6	2028.8	2201.3	1460.5
62.5°	698.3	722.1	882.4	1104.1	1448.5	1769.7	2031.6	2155.2	2166.2	2302.3	1612.7
65°	332.6	348.0	463.5	682.2	1049.2	1547.4	2167.3	2438.5	2443.4	2502.6	1816.0
67.5°	184.1	191.6	246.6	367.2	613.4	1094.3	2112.5	2774.0	2778.7	2707.1	1994.4
69°	144.0	150.4	193.7	276.8	415.9	786.5	1911.7	2872.2	2886.2	2765.7	2000.7
70°	122.3	128.5	166.8	233.8	334.4	607.7	1701.6	2847.8	2862.6	2760.2	1953.4
72.5°	74.8	78.4	111.1	164.6	224.1	305.7	1049.4	2408.4	2433.4	2531.9	1678.9
75°	50.4	52.4	69.5	113.6	160.3	157.4	545.1	1697.6	1751.6	1969.5	1240.0
77.5°	36.1	37.9	46.6	73.5	112.3	103.9	246.9	1055.0	1066.6	1181.3	676.2
80°	20.5	22.2	32.9	43.7	76.2	69.3	98.1	503.9	509.7	506.6	225.8
82.5°	10.8	12.1	18.1	28.8	48.9	45.3	40.8	168.7	169.5	141.0	49.5
85°	2.1	2.5	9.0	19.7	25.2	19.7	16.7	39.6	40.4	35.7	12.3
87.5°	0.0	0.1	3.6	4.4	5.0	5.1	5.4	7.7	8.3	11.2	3.3
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: P321825

CATALOG NUMBER: GAN-SA1A-727-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	330.3	330.3	330.3	330.3	330.3	330.3	330.3	330.3	330.3	330.3	330.3
2.5°	331.8	326.8	317.3	306.3	297.7	289.3	282.7	275.8	273.3	272.1	272.0
5°	335.1	324.6	304.5	283.8	266.9	250.9	239.4	228.5	223.4	221.1	220.1
7.5°	340.6	323.8	291.4	259.8	235.4	215.4	199.6	187.7	181.8	179.3	178.4
10°	347.1	322.7	276.1	234.5	203.3	182.6	166.9	155.2	148.7	146.0	144.6
12.5°	354.7	320.7	258.4	208.8	175.9	155.2	136.2	121.7	114.3	111.1	109.6
15°	364.0	318.8	240.0	184.7	151.8	126.5	105.7	95.9	94.4	93.9	94.0
17.5°	373.3	315.8	219.8	160.9	126.4	98.8	88.2	87.7	87.9	87.9	87.9
20°	381.5	308.9	197.9	140.5	102.3	83.4	81.2	80.2	79.5	79.0	78.3
22.5°	388.0	299.7	176.8	120.2	83.5	76.4	72.9	69.9	67.4	65.7	64.9
25°	392.4	287.4	157.5	100.8	75.1	69.5	63.3	58.2	54.3	52.0	51.0
27.5°	395.7	274.2	140.3	84.4	69.3	61.5	53.3	47.3	43.3	41.2	40.4
30°	398.1	259.1	125.2	74.2	62.9	53.1	44.4	38.5	35.6	34.5	33.9
32.5°	400.3	242.5	110.8	69.3	56.8	45.3	37.2	32.7	30.9	29.5	29.1
35°	405.8	227.0	97.2	64.2	50.6	38.7	32.0	28.7	26.9	26.1	25.8
37.5°	418.9	215.6	84.1	59.0	44.4	33.5	28.0	25.6	24.0	23.2	22.9
40°	440.0	209.8	73.1	53.3	38.3	29.5	25.4	23.2	21.4	20.1	19.8
42.5°	471.0	210.6	65.3	47.7	33.5	26.3	22.9	20.3	18.3	17.2	17.0
45°	508.6	216.7	60.0	42.2	29.5	23.8	20.1	17.4	15.6	14.6	14.3
47.5°	549.4	226.5	55.5	37.2	26.3	21.5	17.4	14.5	13.0	12.1	12.0
50°	592.4	236.0	51.0	32.4	23.6	19.2	14.6	12.0	10.8	10.1	9.8
52.5°	636.0	247.0	46.9	28.0	21.2	16.4	12.1	9.8	8.8	8.3	8.0
55°	682.8	255.3	42.9	24.5	18.9	13.9	10.1	8.1	7.3	6.6	6.5
57.5°	738.0	268.1	38.7	21.2	16.1	11.6	8.3	6.5	5.8	5.1	5.0
60°	812.4	283.1	34.3	18.7	13.2	9.5	6.8	5.2	4.4	3.9	3.7
62.5°	910.5	299.8	28.8	16.4	10.8	7.7	5.4	4.1	3.2	2.5	2.5
65°	1035.0	326.9	23.6	13.8	8.8	6.3	4.1	3.0	1.8	1.1	1.1
67.5°	1107.7	331.6	19.0	11.3	7.2	5.4	3.4	2.1	0.6	0.1	0.0
69°	1084.4	304.5	16.1	9.6	6.2	5.1	3.2	1.5	0.3	0.0	0.0
70°	1040.5	278.4	14.2	8.5	5.7	4.8	3.0	1.1	0.3	0.0	0.0
72.5°	859.8	198.2	10.8	6.3	4.1	4.3	2.8	0.7	0.3	0.0	0.0
75°	626.3	120.5	7.7	4.4	2.6	3.2	1.9	0.3	0.1	0.0	0.0
77.5°	348.5	56.8	4.8	2.5	1.7	1.9	1.0	0.0	0.0	0.0	0.0
80°	113.2	15.4	2.2	1.4	1.0	1.1	0.4	0.0	0.0	0.0	0.0
82.5°	21.0	4.4	1.2	0.7	0.3	0.3	0.0	0.0	0.0	0.0	0.0
85°	4.5	1.8	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.5	0.6	0.1	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)