

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: P318326

Luminaire Tested: **GAN-SA2C-727-U-T3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318326
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-14)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2C-727-U-T3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12105 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

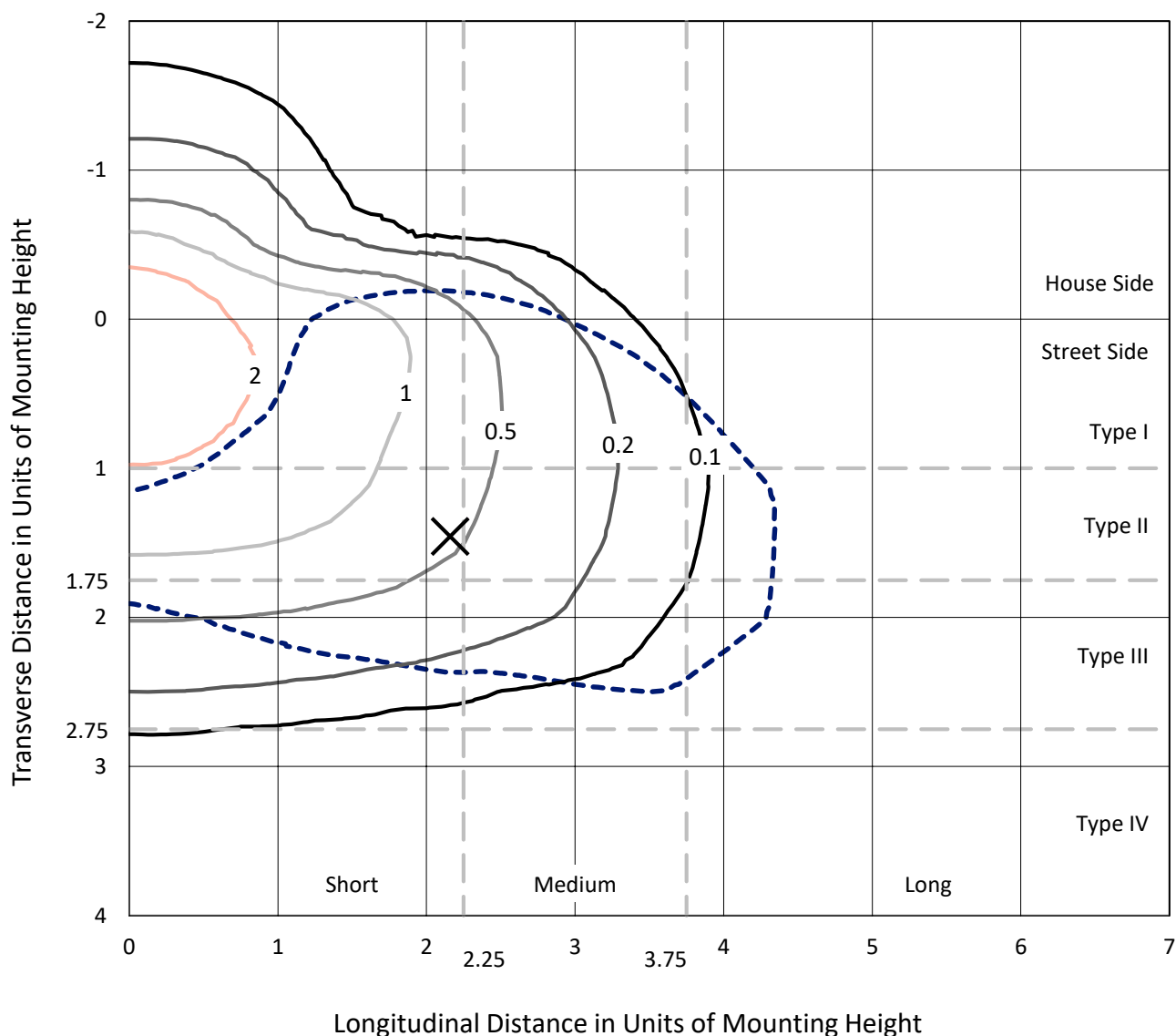
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P318326
 CATALOG NUMBER: GAN-SA2C-727-U-T3

Iso-Footcandle Lines of Horizontal Illumination

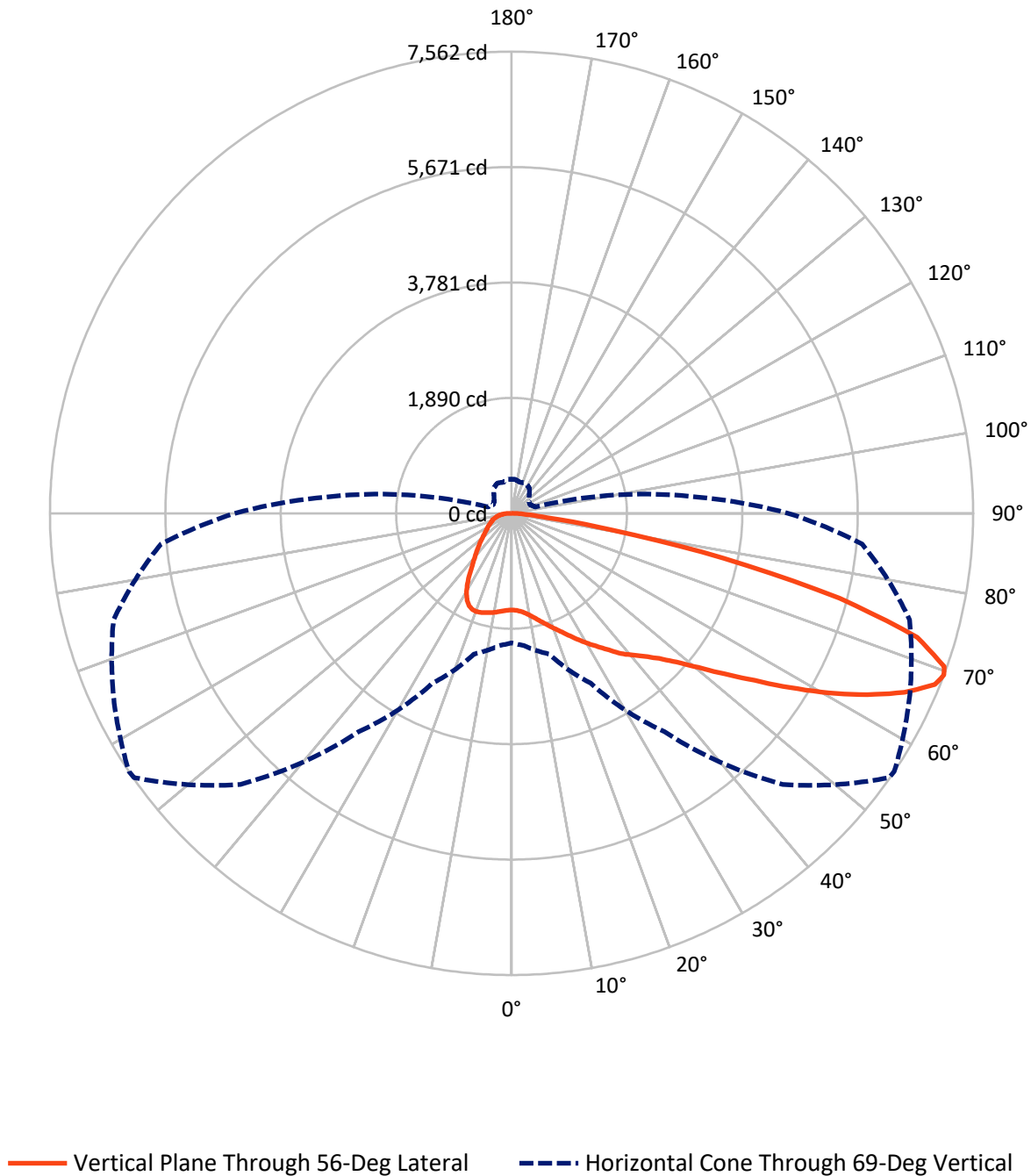
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type III - Short - N/A

REPORT NUMBER: P318326
CATALOG NUMBER: GAN-SA2C-727-U-T3

Luminous Intensity Polar Plot



REPORT NUMBER: P318326

CATALOG NUMBER: GAN-SA2C-727-U-T3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2695.8	0.0	2695.8
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	9409.2	0.0	9409.2
	% Fixture	77.7	0.0	77.7
Total	Lumens	12105.0	0.0	12105.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.4	1.3
10°-20°	499.8	4.1
20°-30°	872.5	7.2
30°-40°	1253.3	10.4
40°-50°	1734.5	14.3
50°-60°	2541.2	21.0
60°-70°	3098.2	25.6
70°-80°	1712.9	14.2
80°-90°	237.2	2.0
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°	12105.0	100.0
0°-180°	12105.0	100.0

Coefficient of Utilization



REPORT NUMBER: P318326

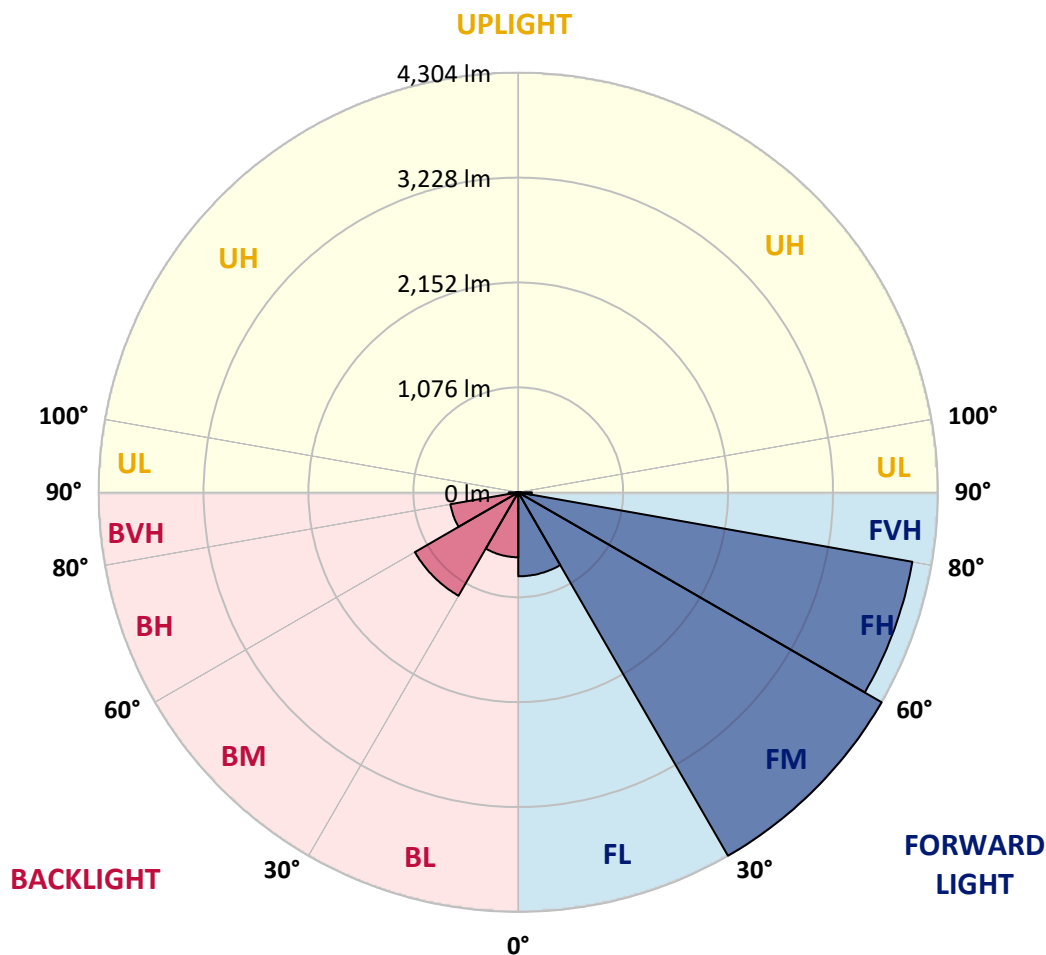
CATALOG NUMBER: GAN-SA2C-727-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	861.5	7.1			
FM	(30°-60°)	4303.8	35.6			
FH	(60°-80°)	4104.2	33.9			G2/5000
FVH	(80°-90°)	139.7	1.2			G2/225
BL	(0°-30°)	666.2	5.5	B2/1000		
BM	(30°-60°)	1225.2	10.1	B2/2500		
BH	(60°-80°)	706.9	5.8	B2/1000		G2/1000
BVH	(80°-90°)	97.5	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





REPORT NUMBER: P318326

CATALOG NUMBER: GAN-SA2C-727-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1582.5	1582.5	1582.5	1582.5	1582.5	1582.5	1582.5	1582.5	1582.5	1582.5	1582.5
2.5°	1592.6	1594.2	1593.0	1596.3	1592.6	1595.1	1593.0	1593.0	1591.7	1588.0	1583.8
5°	1617.6	1620.9	1618.8	1622.2	1617.6	1618.4	1614.7	1614.7	1610.9	1603.0	1594.6
7.5°	1656.8	1660.5	1658.9	1662.2	1655.9	1655.9	1650.9	1650.9	1643.0	1630.1	1620.5
10°	1703.5	1708.5	1706.8	1711.8	1706.8	1708.5	1703.5	1703.5	1693.5	1675.1	1663.0
12.5°	1771.5	1777.7	1773.1	1772.7	1770.6	1774.0	1769.8	1768.9	1759.8	1734.8	1718.1
15°	1862.4	1869.0	1859.4	1858.6	1846.9	1845.7	1845.7	1844.4	1838.6	1808.6	1781.0
17.5°	1967.0	1969.1	1960.8	1947.4	1932.4	1922.8	1921.6	1924.9	1924.9	1889.9	1846.1
20°	2069.6	2073.4	2066.7	2051.7	2032.5	2018.3	2008.3	2015.0	2014.6	1972.9	1910.7
22.5°	2181.4	2190.1	2180.1	2160.9	2138.4	2122.6	2105.1	2110.9	2111.3	2060.0	1974.1
25°	2326.1	2318.1	2311.9	2284.8	2252.7	2236.4	2220.2	2226.0	2224.3	2153.8	2039.6
27.5°	2454.1	2455.8	2447.4	2418.6	2381.5	2345.7	2344.8	2348.6	2342.3	2251.4	2101.3
30°	2603.0	2603.8	2592.1	2566.3	2525.8	2479.5	2468.7	2474.9	2461.6	2344.0	2166.4
32.5°	2751.0	2755.2	2742.2	2711.0	2678.4	2622.1	2600.5	2604.6	2571.3	2438.7	2233.5
35°	2880.7	2886.5	2882.4	2861.5	2826.1	2777.7	2751.8	2749.3	2708.1	2554.6	2322.3
37.5°	3012.9	3018.3	3013.7	2996.2	2982.0	2930.7	2917.0	2917.0	2845.2	2673.0	2435.3
40°	3148.8	3157.2	3151.7	3127.6	3115.5	3092.1	3059.2	3051.2	2973.7	2815.2	2619.6
42.5°	3275.2	3286.0	3307.7	3293.5	3268.9	3272.3	3206.0	3201.8	3145.1	3025.4	2851.1
45°	3454.5	3470.3	3507.0	3496.2	3491.2	3472.8	3394.0	3390.3	3368.6	3308.1	3138.4
47.5°	3650.1	3671.8	3738.1	3740.1	3793.9	3759.3	3652.2	3639.2	3644.2	3646.7	3489.1
50°	3830.2	3854.0	3962.8	4014.1	4140.9	4148.4	3977.0	3965.3	3984.9	4042.5	3897.8
52.5°	3974.1	4004.1	4140.1	4298.5	4515.8	4577.5	4376.9	4368.2	4382.8	4482.0	4359.8
55°	4079.6	4112.1	4260.2	4548.7	4895.7	5004.5	4837.3	4829.0	4838.1	4964.5	4862.3
57.5°	4104.2	4112.1	4326.9	4717.2	5216.4	5477.8	5400.7	5384.0	5339.0	5449.0	5416.9
60°	3988.7	4020.4	4271.8	4776.4	5464.5	5944.5	5989.5	5968.6	5842.3	5932.4	5906.5
62.5°	3754.3	3811.0	4066.2	4686.3	5561.6	6325.6	6567.0	6542.0	6324.3	6382.7	6258.5
65°	3371.5	3395.7	3663.8	4375.7	5438.2	6569.5	7082.1	7069.5	6795.6	6704.2	6323.5
67.5°	2686.8	2732.2	2959.9	3726.4	4933.2	6540.8	7480.3	7479.0	7103.3	6823.5	6092.9
69°	2122.6	2169.7	2386.5	3069.6	4365.2	6277.6	7547.0	7561.6	7190.1	6750.9	5763.5
70°	1692.2	1746.8	1895.7	2585.5	3861.1	5930.7	7491.6	7517.8	7173.4	6631.3	5459.5
72.5°	720.2	764.4	870.3	1332.8	2353.2	4428.6	6849.8	6949.0	6786.8	6069.1	4512.0
75°	314.4	328.2	376.1	543.4	1044.6	2410.3	5366.1	5549.5	5803.1	5130.0	3361.1
77.5°	230.2	236.0	262.3	319.0	468.7	910.3	3450.7	3557.5	4185.1	3733.1	2061.7
80°	178.1	182.2	202.7	234.4	306.1	368.2	1573.8	1665.5	2353.2	1917.4	858.6
82.5°	141.8	144.7	158.9	172.6	211.4	223.1	522.5	579.6	868.6	529.6	227.3
85°	131.8	135.1	140.1	125.9	135.5	130.9	226.0	236.4	262.3	208.1	95.1
87.5°	59.6	70.5	138.9	98.0	72.1	57.5	92.6	96.7	108.8	109.3	42.1
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: P318326

CATALOG NUMBER: GAN-SA2C-727-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1582.5	1582.5	1582.5	1582.5	1582.5	1582.5	1582.5	1582.5	1582.5	1582.5	1582.5
2.5°	1586.3	1585.0	1587.1	1582.1	1588.4	1588.0	1585.9	1586.7	1590.9	1590.5	1590.9
5°	1595.9	1595.1	1597.6	1593.8	1601.3	1603.8	1604.2	1608.0	1612.6	1613.8	1613.8
7.5°	1620.1	1620.1	1621.3	1616.3	1621.3	1620.9	1618.8	1622.6	1627.2	1627.6	1627.2
10°	1661.8	1662.2	1660.1	1647.2	1643.0	1631.8	1621.3	1621.7	1627.6	1632.2	1633.4
12.5°	1714.3	1712.7	1703.5	1679.7	1662.2	1639.3	1628.4	1628.0	1633.8	1637.6	1638.8
15°	1774.4	1769.8	1746.0	1707.2	1676.4	1653.9	1636.3	1632.2	1628.8	1624.7	1625.1
17.5°	1831.1	1820.7	1781.0	1727.2	1694.7	1664.7	1630.9	1603.8	1585.0	1574.2	1570.9
20°	1888.6	1868.2	1811.1	1746.0	1704.7	1650.1	1585.0	1530.0	1495.8	1480.0	1477.0
22.5°	1941.2	1908.2	1839.0	1765.6	1696.8	1600.9	1498.7	1418.7	1371.1	1349.9	1351.5
25°	1992.5	1946.6	1868.2	1779.4	1656.8	1514.2	1378.6	1280.2	1225.2	1201.4	1200.6
27.5°	2037.5	1985.4	1899.9	1768.1	1582.1	1390.7	1236.4	1140.5	1094.6	1074.2	1070.9
30°	2089.2	2034.2	1942.0	1725.2	1472.9	1248.1	1097.6	1030.0	997.5	977.1	973.3
32.5°	2152.2	2100.5	1976.6	1647.2	1333.2	1099.2	989.1	942.0	912.4	889.5	885.3
35°	2243.9	2188.0	1985.4	1535.4	1179.7	981.6	909.5	861.1	821.1	791.5	788.6
37.5°	2359.0	2297.7	1965.4	1390.7	1030.8	905.3	843.2	783.6	731.4	689.7	683.1
40°	2525.0	2432.4	1909.9	1223.9	921.2	846.5	778.6	710.6	645.9	597.2	587.6
42.5°	2724.3	2590.5	1824.8	1058.0	840.7	786.9	714.3	630.1	568.4	533.8	528.8
45°	2977.9	2754.8	1706.8	912.8	761.5	727.3	645.1	567.5	529.2	503.7	499.6
47.5°	3267.3	2939.1	1583.0	794.8	694.3	671.4	589.6	539.6	509.2	489.2	485.4
50°	3623.0	3147.2	1451.6	698.1	626.8	604.2	563.4	524.2	500.0	484.6	480.8
52.5°	4024.1	3381.9	1356.9	621.8	570.9	554.6	549.6	515.8	496.2	484.6	480.8
55°	4456.2	3620.9	1254.8	557.5	522.5	527.1	540.4	516.7	503.3	489.2	483.7
57.5°	4888.6	3867.8	1140.9	503.3	484.1	506.7	534.2	518.3	507.1	493.3	488.3
60°	5230.5	4024.1	964.5	457.9	453.7	484.1	519.2	505.8	491.2	491.7	490.8
62.5°	5390.2	4015.8	769.8	417.4	423.3	453.7	495.0	486.2	474.1	490.4	491.7
65°	5300.6	3815.6	599.2	380.7	390.7	422.0	470.0	476.6	480.8	512.1	516.3
67.5°	4924.5	3426.1	464.1	348.6	361.1	400.3	472.5	519.2	524.6	557.5	557.1
69°	4535.4	3060.8	403.2	331.9	346.5	405.7	505.0	546.3	525.8	560.9	555.9
70°	4209.3	2771.9	370.7	320.7	339.9	415.3	526.7	545.9	519.6	549.6	541.3
72.5°	3241.8	1994.1	314.4	299.8	317.3	397.4	532.9	533.8	505.0	510.8	496.7
75°	2223.5	1260.2	274.4	271.5	283.1	358.2	512.9	510.0	467.0	458.7	447.0
77.5°	1226.0	640.1	233.1	244.4	252.3	317.3	466.2	462.0	426.6	409.1	404.9
80°	472.9	280.2	196.8	217.3	222.3	274.8	408.7	404.9	375.3	352.8	346.5
82.5°	178.5	146.8	162.6	188.1	186.4	226.9	346.1	344.0	315.3	282.3	272.3
85°	82.6	88.0	128.9	155.1	143.0	168.1	276.9	280.6	245.6	206.4	206.4
87.5°	35.0	49.2	91.3	117.2	96.3	113.4	203.1	193.9	178.1	123.4	115.9
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)