

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: P322567

Luminaire Tested: **GAN-SA3C-740-U-T4FT-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322567
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-17)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3C-740-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15334 lumens
Efficiency: N/A
Efficacy: 92.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

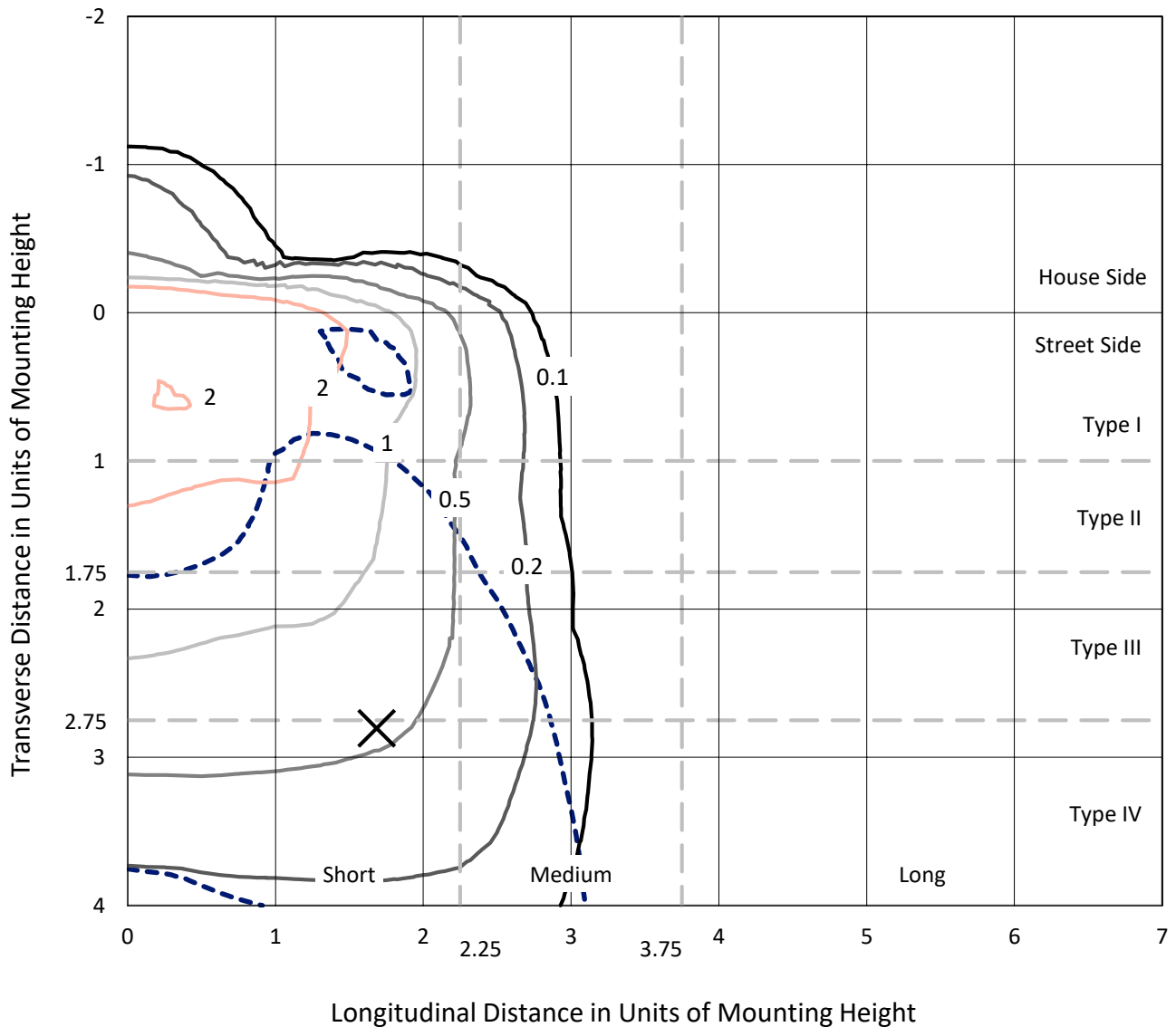
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

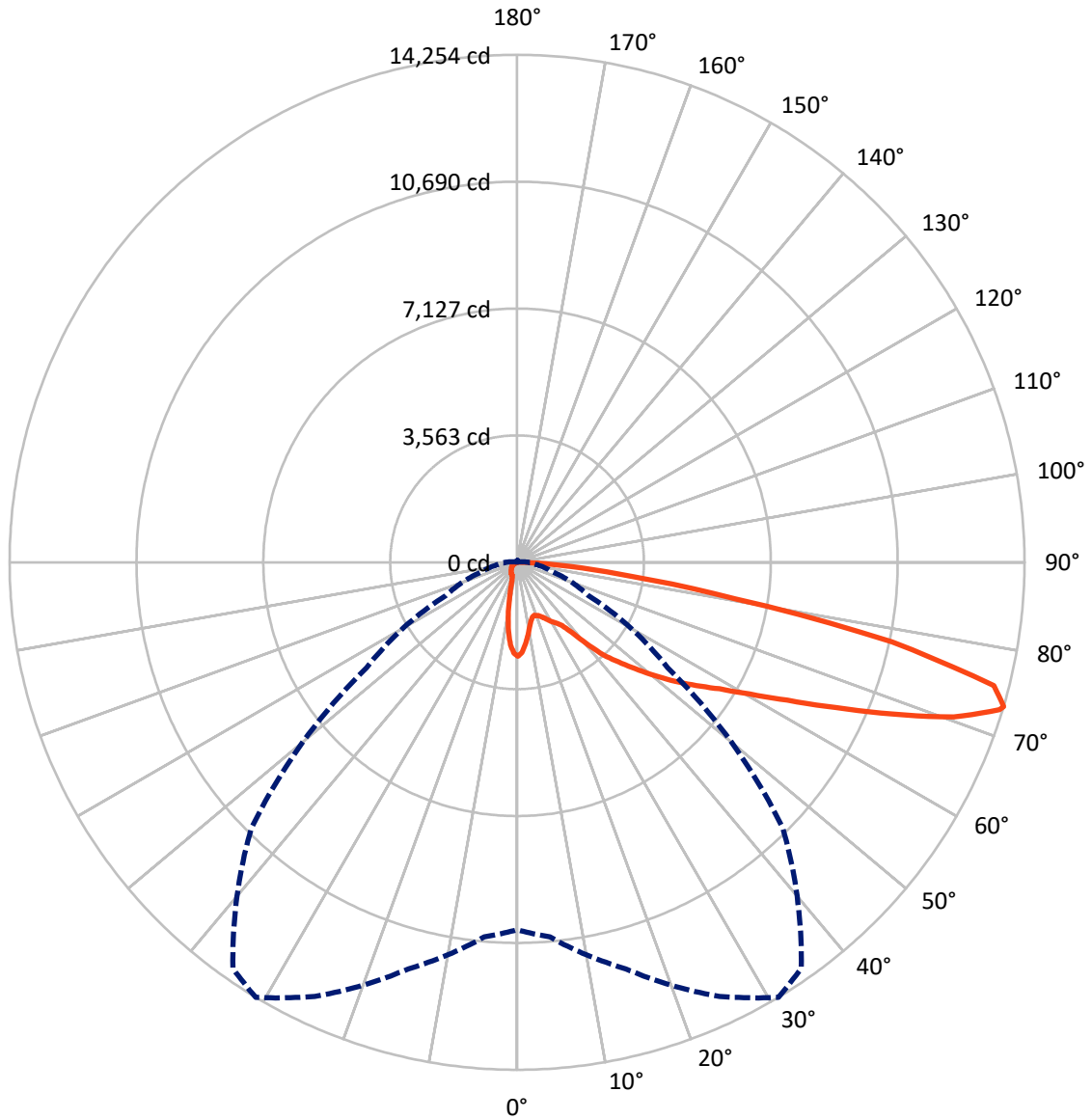
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 31-Deg Lateral - - - Horizontal Cone Through 73-Deg Vertical

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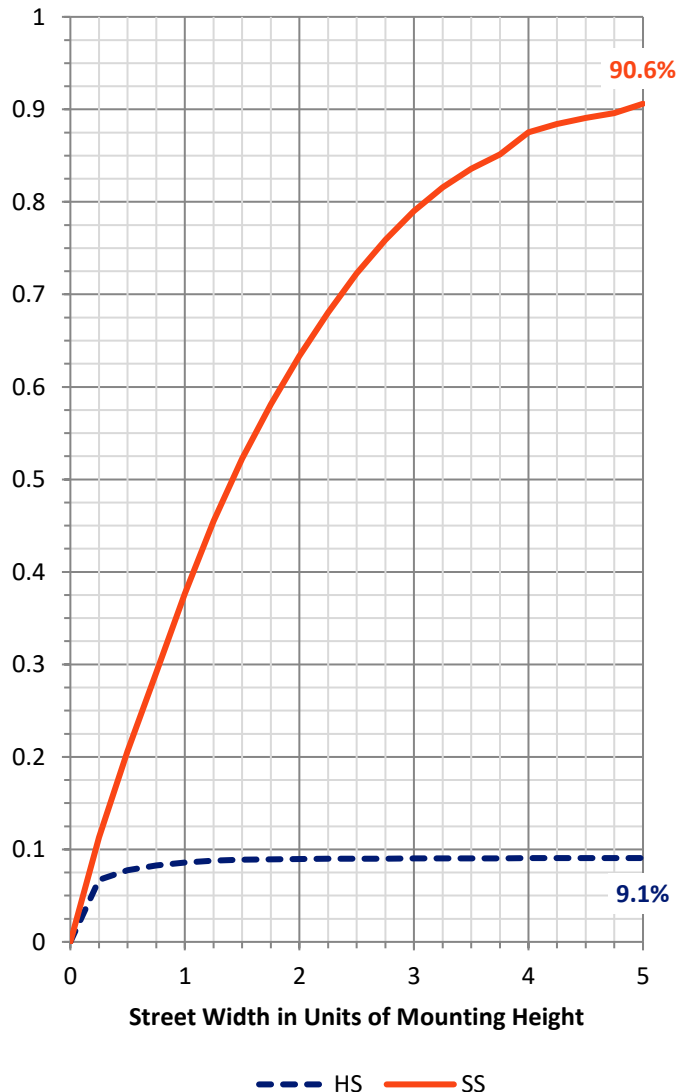
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1397.8	0.0	1397.8
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	13936.3	0.0	13936.3
	% Fixture	90.9	0.0	90.9
Total	Lumens	15334.0	0.0	15334.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.7	1.4
10°-20°	475.0	3.1
20°-30°	711.6	4.6
30°-40°	1132.2	7.4
40°-50°	2021.8	13.2
50°-60°	3137.3	20.5
60°-70°	4170.6	27.2
70°-80°	3137.1	20.5
80°-90°	329.7	2.1
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°	15334.0	100.0
0°-180°	15334.0	100.0

Coefficient of Utilization

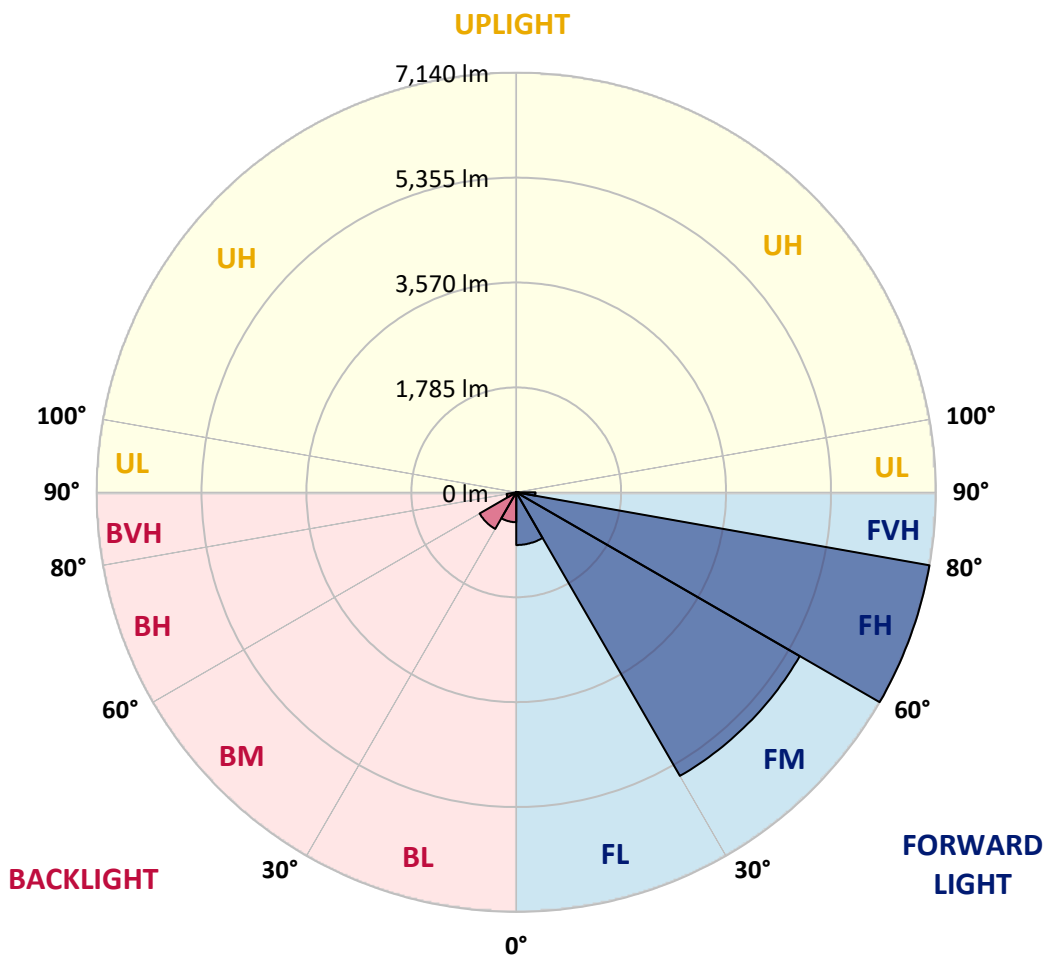


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	897.1	5.9			
FM (30°-60°)	5571.8	36.3			
FH (60°-80°)	7140.5	46.6			G3/7500
FVH (80°-90°)	326.9	2.1			G3/500
BL (0°-30°)	508.3	3.3	B2/1000		
BM (30°-60°)	719.5	4.7	B1/1000		
BH (60°-80°)	167.2	1.1	B1/500		G1/500
BVH (80°-90°)	2.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	31°	35°	45°	55°	65°	75°	85°
0°	2638.2	2638.2	2638.2	2638.2	2638.2	2638.2	2638.2	2638.2	2638.2	2638.2	2638.2
2.5°	2500.2	2510.7	2521.9	2524.2	2543.0	2543.7	2570.7	2591.0	2611.2	2630.7	2637.5
5°	2243.6	2260.8	2281.1	2301.3	2341.1	2356.9	2422.9	2490.4	2555.0	2616.5	2646.5
7.5°	1969.7	1989.2	2017.7	2068.0	2112.2	2143.0	2247.3	2367.4	2487.4	2600.7	2666.0
10°	1719.8	1737.8	1767.8	1821.1	1889.4	1931.4	2071.7	2238.3	2414.6	2586.5	2695.3
12.5°	1560.7	1570.5	1587.0	1644.0	1705.6	1752.8	1917.9	2124.3	2354.6	2585.7	2742.5
15°	1531.5	1534.5	1521.0	1546.5	1594.5	1640.3	1807.6	2032.0	2308.8	2597.7	2804.1
17.5°	1578.0	1576.5	1531.5	1528.5	1566.7	1604.3	1753.6	1968.2	2276.6	2625.5	2883.6
20°	1648.5	1643.3	1565.2	1551.0	1591.5	1626.8	1749.8	1944.2	2264.6	2672.0	2980.4
22.5°	1742.3	1733.3	1611.0	1596.0	1639.5	1676.3	1796.3	1967.4	2275.1	2734.3	3093.0
25°	1858.6	1845.1	1689.8	1673.3	1717.6	1754.3	1879.6	2034.2	2306.6	2810.1	3235.5
27.5°	1989.9	1970.4	1815.9	1773.1	1823.4	1861.6	1990.7	2136.3	2356.1	2890.4	3410.4
30°	2113.7	2088.2	1948.7	1878.1	1939.7	1982.4	2110.7	2257.8	2435.7	3014.2	3649.7
32.5°	2238.3	2209.8	2067.2	1983.2	2038.7	2085.2	2234.6	2425.1	2585.0	3203.3	3967.9
35°	2524.9	2494.9	2320.1	2181.3	2180.5	2206.8	2407.9	2654.0	2782.3	3466.6	4347.6
37.5°	3007.4	2990.2	2823.6	2560.2	2489.7	2460.4	2644.2	2927.1	3065.9	3829.1	4776.0
40°	3535.7	3520.7	3333.8	3095.2	2987.9	2915.9	2983.4	3307.6	3466.6	4271.8	5213.5
42.5°	4132.2	4060.9	3727.8	3656.5	3560.4	3505.7	3444.9	3776.5	3958.9	4753.5	5647.2
45°	4674.0	4553.9	4121.7	4013.6	3991.9	4005.4	4039.2	4406.8	4512.6	5326.0	6079.4
47.5°	4996.6	4902.1	4570.4	4466.9	4460.9	4550.1	4805.3	5118.9	5064.1	5825.0	6459.8
50°	5303.5	5218.0	4942.6	4968.1	4995.9	5117.4	5674.9	5851.3	5567.6	6277.5	6808.7
52.5°	5551.9	5421.3	5277.2	5420.6	5557.1	5753.0	6572.4	6508.6	5924.8	6637.6	7107.4
55°	5695.2	5635.9	5705.7	5849.8	6106.4	6424.5	7419.5	7055.6	6185.9	6966.3	7306.2
57.5°	6220.4	6104.1	6242.9	6367.5	6702.2	7147.1	8145.1	7463.0	6374.3	7169.6	7352.0
60°	6856.0	6762.2	6844.0	7051.1	7502.8	8025.8	8823.4	7795.4	6472.6	7300.2	7233.4
62.5°	7867.5	7743.7	7692.6	7924.5	8523.3	9094.3	9338.2	8025.8	6450.8	7242.4	6826.7
65°	9222.6	9094.3	8866.2	9076.3	9837.9	10240.8	9913.7	8074.6	6300.7	6774.9	5798.7
67.5°	10610.8	10517.7	10322.6	10676.8	11364.1	11493.9	10522.2	7956.0	5817.5	5493.3	4096.9
70°	11527.7	11487.9	11614.7	12398.1	13011.1	12973.6	11080.5	7319.0	4534.4	3378.1	2026.7
72.5°	10866.6	11057.2	11993.7	13414.1	14162.9	13856.8	10793.8	5620.2	2591.7	1299.6	586.0
73°	10318.9	10562.7	11823.3	13452.4	14253.7	13918.3	10553.0	5158.7	2209.0	1025.7	444.2
75°	7178.6	7478.0	9788.4	12528.7	13829.0	13261.0	8796.4	3157.5	1023.5	454.7	179.3
77.5°	3485.4	3706.8	5389.8	9052.3	10754.8	10360.9	5476.1	1176.6	462.2	284.4	82.5
80°	1301.1	1446.7	2339.6	4607.2	6215.2	6378.0	2408.6	445.0	307.6	228.9	42.0
82.5°	340.7	379.7	862.9	2054.5	3185.3	3333.8	759.4	224.4	225.1	188.3	25.5
85°	108.8	124.6	269.4	922.2	1500.7	1317.6	198.1	108.8	163.6	140.3	14.3
87.5°	13.5	17.3	85.5	216.9	330.9	183.8	30.8	32.3	69.8	78.0	8.3
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°	2638.2	2638.2	2638.2	2638.2	2638.2	2638.2	2638.2	2638.2	2638.2	2638.2	2638.2
2.5°	2644.2	2640.5	2641.2	2621.7	2609.0	2583.5	2557.2	2545.2	2532.4	2527.2	2532.4
5°	2657.8	2651.0	2631.5	2571.5	2507.7	2425.1	2347.9	2289.3	2215.8	2195.5	2216.5
7.5°	2678.8	2665.3	2608.2	2485.9	2344.1	2186.5	2009.4	1880.4	1774.6	1706.3	1731.1
10°	2709.5	2684.0	2569.2	2361.4	2107.7	1828.6	1577.2	1381.4	1242.6	1185.6	1183.3
12.5°	2761.3	2713.3	2521.2	2199.3	1818.9	1446.7	1117.3	904.9	792.4	719.6	718.1
15°	2818.3	2747.8	2460.4	2004.9	1482.7	1036.2	719.6	558.3	485.5	462.2	459.2
17.5°	2888.1	2787.6	2381.6	1765.6	1130.8	686.6	469.7	423.2	420.2	417.9	417.9
20°	2975.9	2834.8	2280.3	1491.7	802.1	458.5	399.2	402.2	403.7	400.7	401.4
22.5°	3078.0	2882.9	2159.5	1197.6	542.5	383.4	381.9	385.7	387.2	385.7	386.4
25°	3196.5	2938.4	2012.5	889.2	391.7	363.9	367.7	372.9	376.7	376.7	376.7
27.5°	3343.6	3005.9	1835.4	620.5	338.4	343.7	354.2	363.9	369.2	370.7	370.7
30°	3534.9	3090.0	1623.0	425.5	307.6	316.6	336.2	354.9	364.7	366.2	366.9
32.5°	3776.5	3184.5	1376.9	314.4	281.4	288.1	309.1	340.7	359.4	362.4	362.4
35°	4053.4	3294.1	1112.0	273.9	262.6	264.9	281.4	317.4	350.4	358.7	359.4
37.5°	4356.6	3402.1	845.6	255.9	246.9	246.9	258.9	289.6	328.7	354.2	357.2
40°	4639.4	3467.4	592.8	241.6	232.6	232.6	243.1	265.6	302.4	340.7	348.9
42.5°	4900.6	3489.9	412.7	228.1	219.1	221.4	230.4	248.4	276.1	314.4	321.9
45°	5169.2	3486.1	300.9	212.4	205.6	212.4	219.1	232.6	252.9	274.6	276.1
47.5°	5371.8	3454.6	238.6	197.3	192.8	201.8	207.8	216.9	228.1	226.6	226.6
50°	5561.6	3378.1	192.1	177.1	180.1	190.6	193.6	196.6	197.3	183.1	181.6
52.5°	5705.7	3258.8	153.8	155.3	167.3	177.8	174.8	170.3	162.8	145.6	142.6
55°	5753.7	3029.2	120.8	128.3	148.6	162.1	150.8	141.1	126.8	112.6	109.6
57.5°	5666.7	2732.8	98.3	99.8	125.3	136.6	123.8	112.6	96.8	84.8	82.5
60°	5482.1	2403.4	81.0	75.0	96.8	106.6	98.3	87.0	72.8	63.8	63.0
62.5°	5115.9	2052.2	66.8	58.5	73.5	81.8	76.5	68.3	56.3	50.3	49.5
65°	4346.1	1641.8	54.0	47.3	57.0	63.8	59.3	53.3	44.3	39.8	39.0
67.5°	3033.7	1109.8	44.3	39.0	45.0	50.3	46.5	43.5	35.3	34.5	35.3
70°	1463.2	535.0	36.8	31.5	35.3	39.0	37.5	35.3	33.8	39.0	45.0
72.5°	419.4	179.3	29.3	26.3	28.5	30.8	32.3	31.5	36.8	47.3	54.8
73°	322.7	144.8	27.8	24.8	27.0	30.0	31.5	30.8	37.5	48.0	54.8
75°	138.1	69.8	21.0	20.3	22.5	26.3	27.8	27.8	37.5	48.8	52.5
77.5°	62.3	37.5	13.5	15.8	19.5	21.0	23.3	23.3	30.0	37.5	37.5
80°	35.3	20.3	10.5	12.0	14.3	14.3	14.3	12.8	13.5	15.0	16.5
82.5°	22.5	13.5	8.3	9.8	9.0	7.5	6.0	6.0	5.3	6.0	7.5
85°	12.8	7.5	7.5	6.0	3.8	3.0	3.8	3.0	0.8	0.0	0.8
87.5°	7.5	4.5	2.3	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)