

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: P321287

Luminaire Tested: **GAN-SA3C-740-U-T2R-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P321287
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3C-740-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17430 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

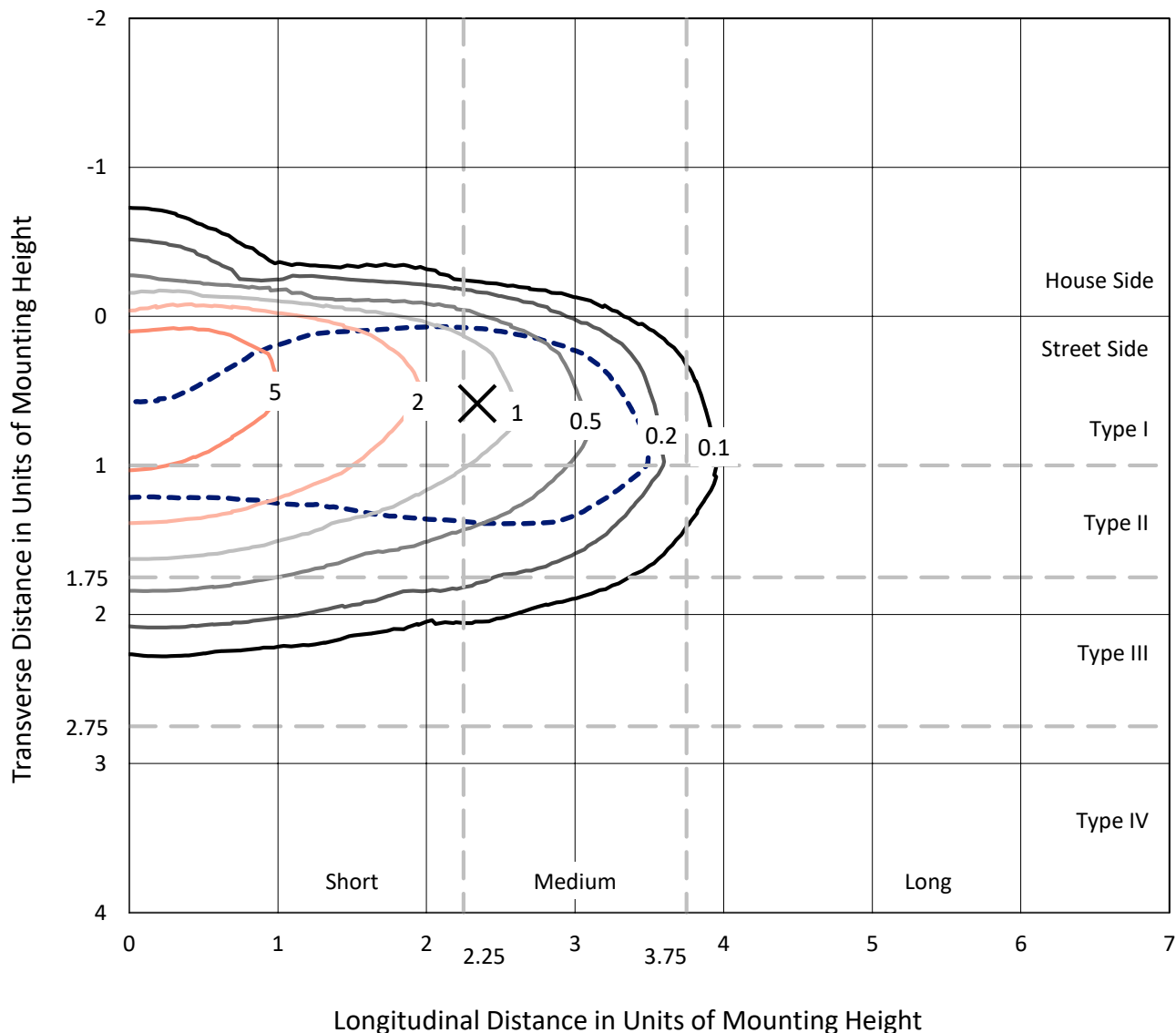
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

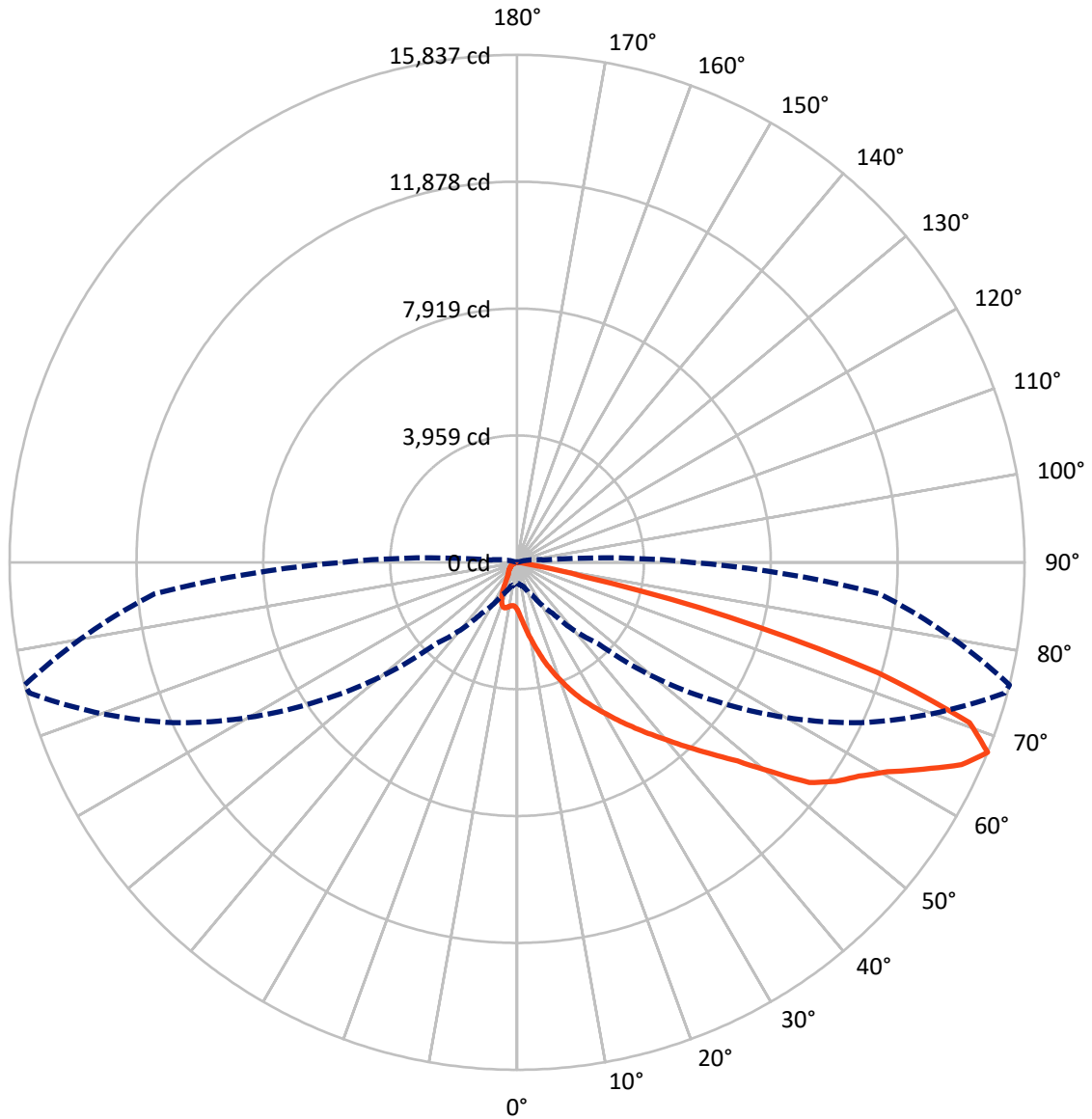
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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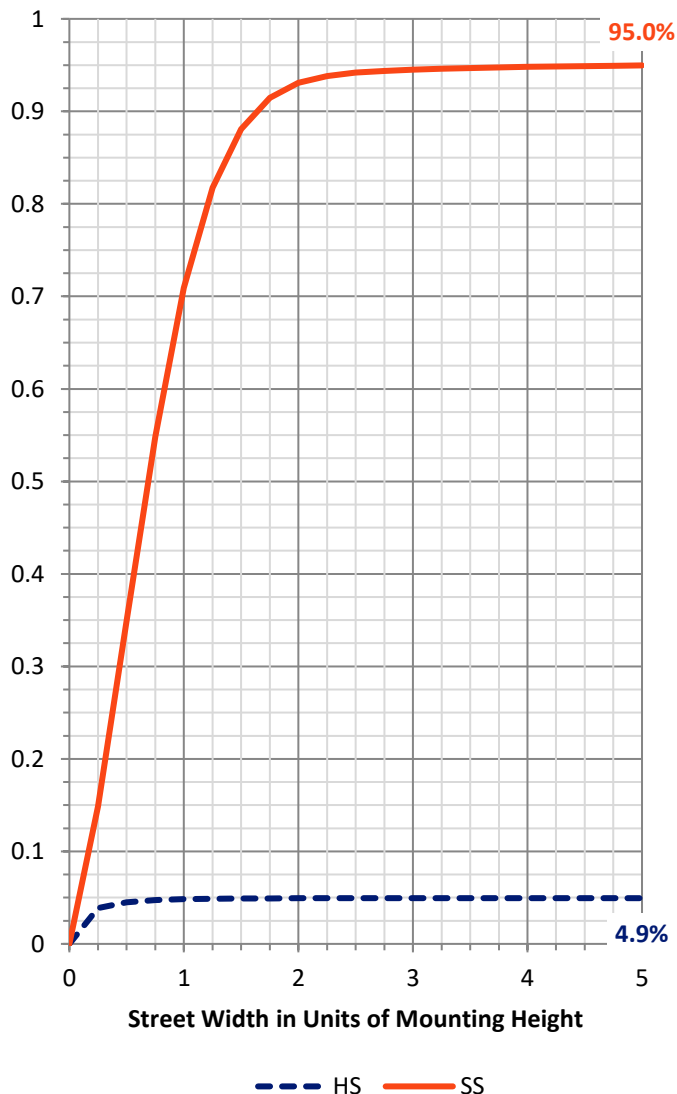
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	865.5	0.0	865.5
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	16564.5	0.0	16564.5
	% Fixture	95.0	0.0	95.0
Total	Lumens	17430.0	0.0	17430.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.9	1.1
10°-20°	728.8	4.2
20°-30°	1482.9	8.5
30°-40°	2573.9	14.8
40°-50°	3636.6	20.9
50°-60°	4124.1	23.7
60°-70°	3420.5	19.6
70°-80°	1239.0	7.1
80°-90°	40.2	0.2
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°	17430.0	100.0
0°-180°	17430.0	100.0

Coefficient of Utilization



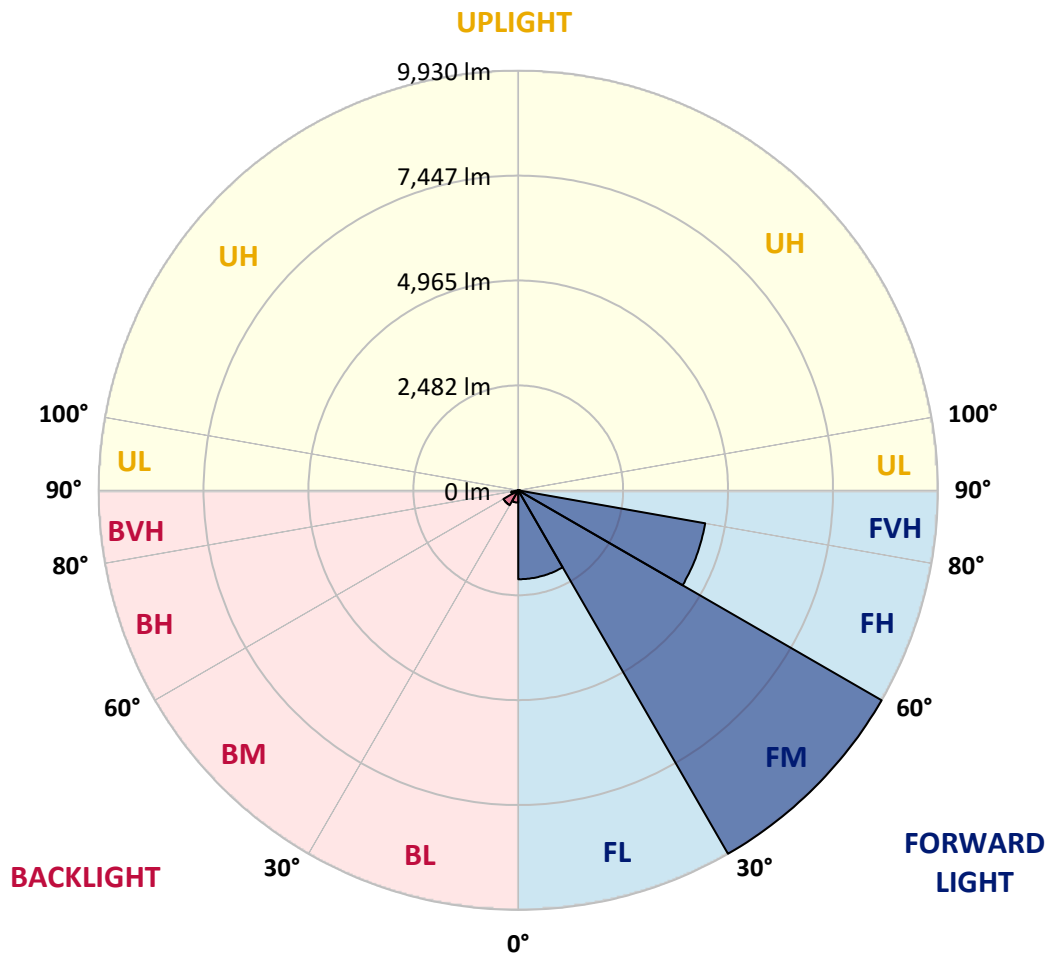
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2103.7	12.1			
FM (30°-60°)	9929.5	57.0			
FH (60°-80°)	4492.3	25.8			G2/5000
FVH (80°-90°)	38.9	0.2			G1/100
BL (0°-30°)	291.9	1.7	B1/500		
BM (30°-60°)	405.1	2.3	B1/1000		
BH (60°-80°)	167.3	1.0	B1/500		G1/500
BVH (80°-90°)	1.3	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6
2.5°	2207.2	2157.5	2169.0	2136.9	2078.9	1959.7	1858.1	1761.9	1649.6	1645.8	1553.4
5°	2976.2	2934.2	2928.9	2864.0	2758.6	2556.2	2359.1	2134.6	1884.1	1865.8	1669.5
7.5°	3674.3	3640.7	3628.5	3551.3	3355.0	3158.0	2901.4	2571.5	2179.7	2146.1	1826.1
10°	4210.4	4194.4	4197.4	4142.4	3974.4	3791.1	3454.3	3033.5	2514.9	2463.0	2013.9
12.5°	4616.7	4620.5	4648.0	4614.4	4520.5	4384.5	4024.8	3526.1	2886.1	2815.1	2228.5
15°	4915.3	4934.4	4984.8	5026.8	5020.0	4902.3	4572.4	4026.4	3280.2	3201.5	2467.6
17.5°	5108.5	5129.9	5203.2	5296.4	5382.0	5354.5	5100.9	4509.0	3678.9	3588.0	2723.4
20°	5278.1	5303.3	5382.0	5504.9	5664.5	5698.9	5532.4	4977.2	4076.8	3966.0	2987.7
22.5°	5645.4	5644.7	5692.8	5764.6	5916.6	6005.2	5899.8	5411.7	4470.1	4354.8	3257.3
25°	6309.9	6284.7	6267.9	6211.4	6245.0	6300.0	6241.1	5818.0	4865.7	4748.8	3530.7
27.5°	7099.6	7114.8	6978.9	6826.9	6709.3	6652.8	6556.6	6194.6	5246.0	5117.7	3798.0
30°	7932.8	7937.4	7777.0	7583.0	7324.1	7109.5	6943.0	6554.3	5637.0	5497.3	4057.7
32.5°	8684.3	8654.5	8495.7	8231.4	7904.5	7663.2	7317.2	6956.0	6051.0	5915.8	4346.4
35°	9280.0	9244.9	9051.7	8811.1	8472.0	8229.1	7812.9	7356.9	6486.3	6354.2	4635.8
37.5°	9715.3	9674.1	9475.5	9228.1	8935.6	8794.3	8388.0	7793.0	6961.3	6819.3	4940.5
40°	9866.5	9830.6	9706.2	9525.2	9289.9	9257.9	8998.2	8294.8	7478.4	7327.2	5285.7
42.5°	9776.4	9741.3	9697.0	9635.9	9538.1	9568.7	9574.0	8866.8	8052.7	7903.8	5666.8
45°	9419.0	9387.7	9433.5	9522.9	9644.3	9795.5	10099.5	9481.6	8694.2	8535.4	6107.5
47.5°	8892.8	8869.9	8996.7	9219.7	9574.8	9991.8	10579.9	10127.7	9414.4	9267.0	6657.4
50°	8144.3	8140.5	8394.1	8801.2	9347.2	10086.5	11076.3	10862.4	10414.9	10259.9	7421.9
52.5°	6978.9	6986.5	7485.3	8136.7	8947.8	10022.3	11395.5	11806.4	11578.8	11417.7	8084.0
55°	5869.2	5915.0	6268.6	7208.0	8335.3	9784.1	11505.5	12247.1	12221.1	12068.4	8452.1
57.5°	4782.4	4865.7	5206.3	6083.8	7441.0	9234.9	11445.2	12438.0	12699.2	12582.3	8937.9
60°	3604.8	3643.0	4035.5	4855.8	6293.1	8232.9	11007.5	12541.9	13352.9	13272.0	9642.8
62.5°	2293.5	2388.9	2737.2	3528.4	4900.1	6841.4	10269.8	12540.3	14170.9	14215.2	10552.4
65°	1208.2	1319.7	1504.5	2186.5	3367.3	5287.3	9160.1	12422.7	15174.4	15236.3	11263.4
67.5°	651.5	683.5	781.3	1134.9	1952.8	3581.9	7529.6	11842.3	15755.6	15837.3	11362.7
70°	476.6	494.1	530.8	627.8	982.9	2080.4	5494.2	10526.4	15006.4	14975.9	10095.7
72.5°	365.8	393.3	420.8	459.8	565.2	1110.5	3420.7	8242.9	11973.7	11772.0	7546.4
75°	288.7	293.3	332.2	367.4	423.9	632.4	1519.0	4800.8	7308.1	6830.7	3913.3
77.5°	230.6	233.7	256.6	287.2	340.6	415.5	470.5	1888.7	2333.2	2081.9	849.3
80°	136.7	144.3	190.9	221.5	282.6	262.0	171.8	410.1	364.3	329.9	142.8
82.5°	76.4	82.5	107.7	174.9	197.0	125.3	85.5	110.7	85.5	83.2	40.5
85°	0.0	3.8	69.5	108.4	80.2	27.5	35.9	36.7	25.2	23.7	16.0
87.5°	0.0	0.0	21.4	20.6	3.1	4.6	8.4	12.2	9.9	9.9	8.4
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°	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6	1478.6
2.5°	1507.6	1466.3	1388.4	1312.1	1247.9	1195.2	1147.9	1128.8	1113.5	1111.2	1099.0
5°	1574.8	1491.6	1342.6	1220.4	1138.7	1080.7	1031.0	1000.5	976.8	967.6	959.2
7.5°	1676.4	1550.4	1336.5	1196.0	1098.2	1000.5	908.8	809.5	747.7	724.0	710.3
10°	1800.1	1628.3	1359.4	1189.1	1018.0	811.8	659.9	533.8	482.7	465.9	461.3
12.5°	1944.4	1725.3	1399.1	1146.3	847.0	576.6	455.2	412.4	401.0	395.6	395.6
15°	2110.2	1831.4	1427.4	1022.6	626.3	436.1	394.1	374.2	362.0	355.1	355.9
17.5°	2279.7	1935.3	1413.7	843.2	462.1	388.0	356.7	335.3	318.5	311.6	310.1
20°	2450.8	2031.5	1337.3	627.8	391.0	352.1	316.9	293.3	276.5	269.6	268.1
22.5°	2628.0	2113.2	1202.9	460.5	351.3	312.4	278.0	254.3	238.3	232.2	229.1
25°	2800.6	2179.7	1015.0	372.7	313.9	274.9	242.1	220.0	205.4	199.3	198.6
27.5°	2961.7	2221.7	797.3	329.2	281.1	241.3	211.6	191.7	179.5	174.9	174.1
30°	3106.8	2225.5	589.6	297.1	252.0	212.3	184.8	167.3	156.6	152.0	150.5
32.5°	3253.5	2193.4	429.2	268.1	225.3	187.1	160.4	146.6	139.0	135.2	135.2
35°	3391.7	2119.3	334.5	242.9	199.3	162.7	141.3	131.4	126.8	123.0	123.0
37.5°	3526.9	2013.2	284.1	220.7	174.9	142.1	124.5	118.4	114.6	110.7	110.7
40°	3664.3	1879.5	258.1	200.1	155.0	126.0	110.7	105.4	101.6	98.5	97.8
42.5°	3833.1	1725.3	241.3	181.0	137.5	111.5	97.8	91.6	88.6	85.5	84.0
45°	4028.6	1592.4	227.6	161.9	123.0	99.3	84.8	78.7	74.1	70.3	69.5
47.5°	4310.5	1496.1	209.3	141.3	109.2	86.3	73.3	66.4	59.6	55.8	55.0
50°	4670.2	1416.7	185.6	123.0	95.5	73.3	61.1	52.7	46.6	42.8	42.8
52.5°	4848.9	1312.8	164.2	106.9	80.2	61.9	49.6	39.7	36.7	32.8	32.8
55°	4920.7	1233.4	142.8	90.9	66.4	51.2	38.9	30.5	28.3	26.0	25.2
57.5°	5122.3	1210.5	124.5	77.1	55.0	40.5	29.8	22.9	21.4	18.3	18.3
60°	5446.9	1222.0	107.7	65.7	44.3	31.3	22.1	17.6	16.0	13.0	13.0
62.5°	5797.4	1207.4	90.9	56.5	34.4	22.9	15.3	13.0	13.0	7.6	6.9
65°	5864.6	1075.3	77.9	46.6	26.7	16.8	9.9	8.4	11.5	1.5	0.0
67.5°	5443.1	834.0	67.2	35.9	19.9	13.0	7.6	3.8	9.9	0.0	0.0
70°	4352.5	530.0	54.2	26.0	15.3	10.7	6.1	1.5	7.6	0.0	0.0
72.5°	3077.8	307.8	42.8	18.3	13.0	8.4	4.6	0.0	4.6	0.0	0.0
75°	1556.5	164.2	26.7	13.7	9.9	6.1	3.1	0.0	0.8	0.0	0.0
77.5°	336.8	76.4	16.8	9.9	6.9	3.8	1.5	0.0	0.0	0.0	0.0
80°	73.3	33.6	10.7	6.1	3.8	2.3	0.0	0.0	0.0	0.0	0.0
82.5°	26.7	17.6	5.3	3.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	14.5	9.2	3.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.6	3.1	0.8	0.8	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)