

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: P383342

Luminaire Tested: **GAN-SA6C-735-U-T2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383342
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-SA6C-735-U-T2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 1050mA 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: 28034.9 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G4

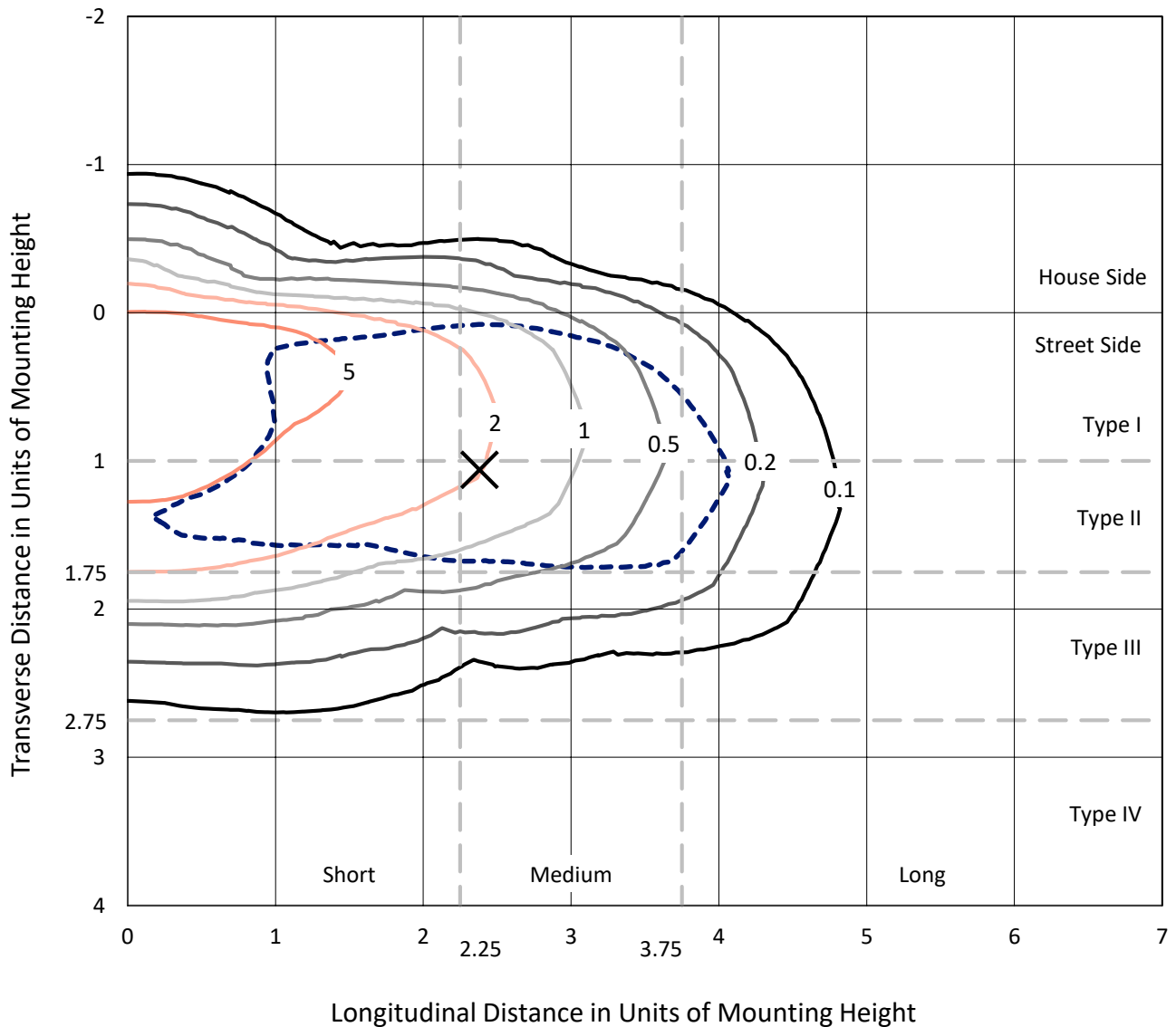
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

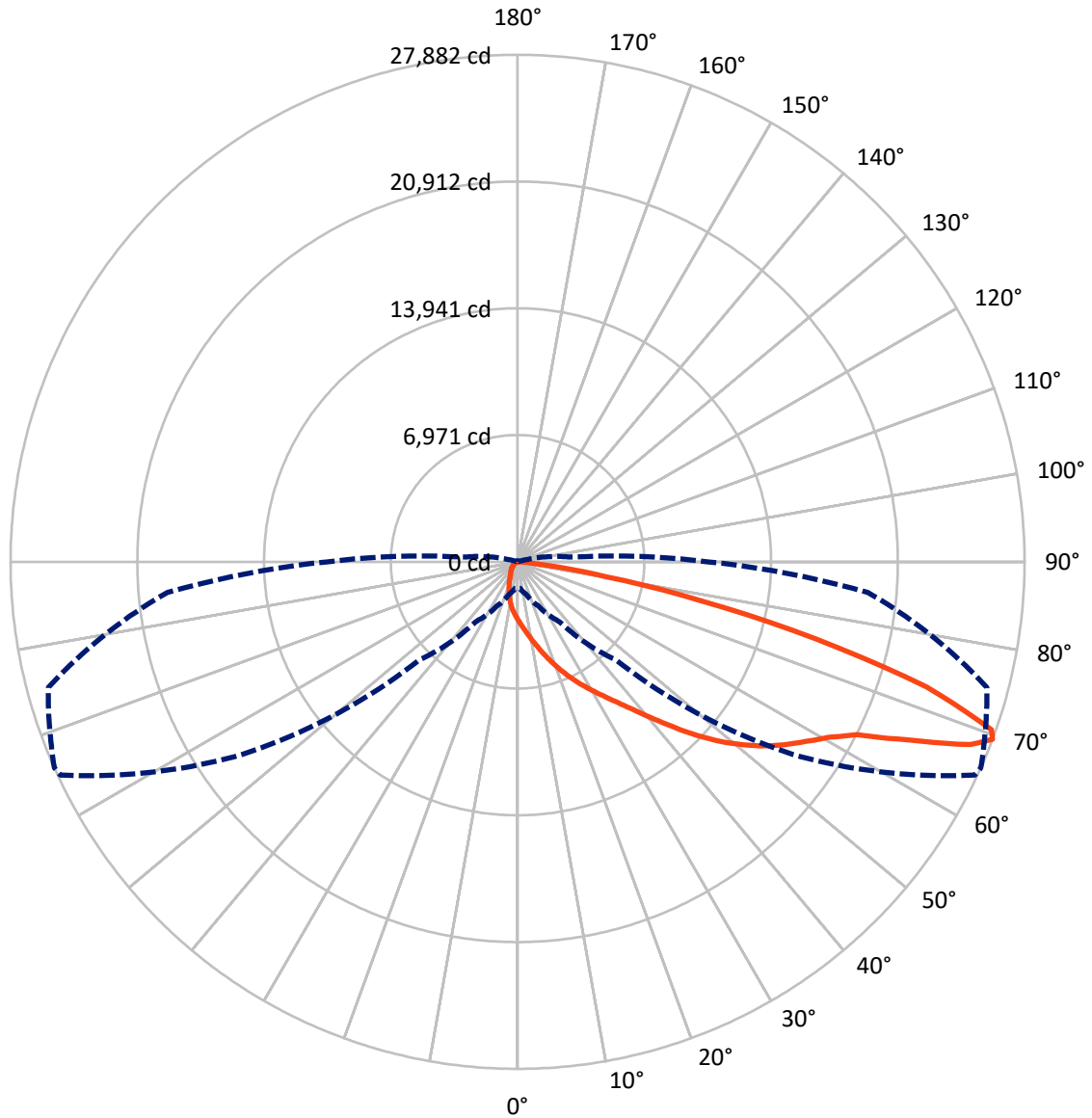
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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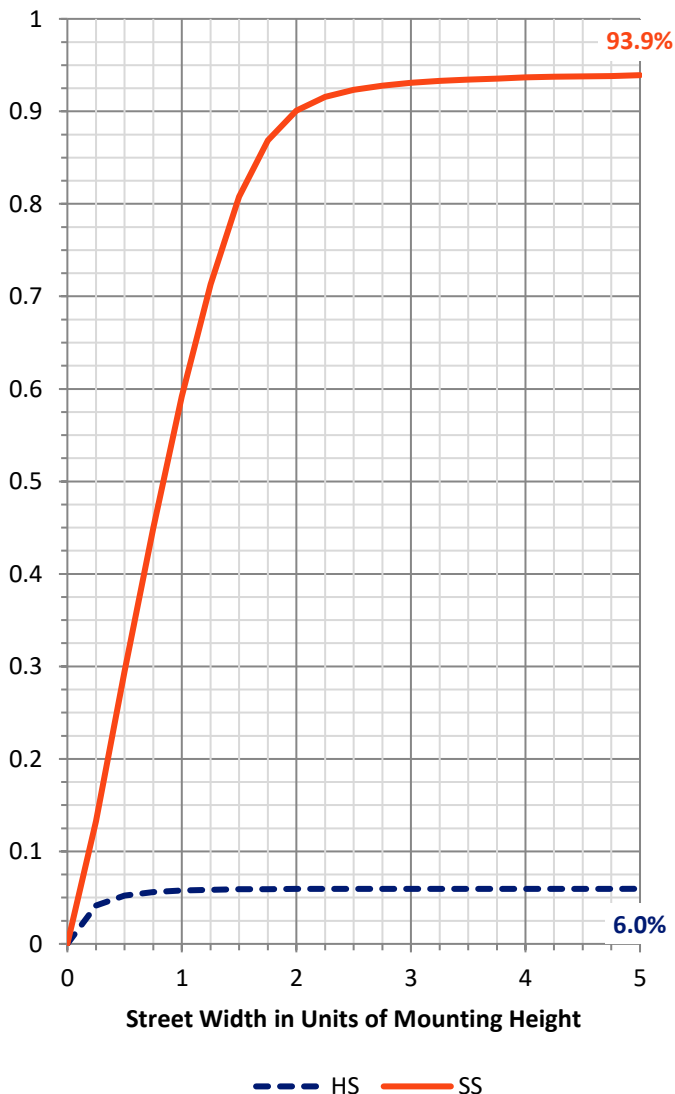
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1681.7	0.0	1681.7
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	26353.2	0.0	26353.2
	% Fixture	94.0	0.0	94.0
Total	Lumens	28034.9	0.0	28034.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.4	1.1
10°-20°	917.9	3.3
20°-30°	1598.3	5.7
30°-40°	2804.3	10.0
40°-50°	4693.9	16.7
50°-60°	6899.6	24.6
60°-70°	7084.1	25.3
70°-80°	3497.2	12.5
80°-90°	231.2	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°	28034.9	100.0
0°-180°	28034.9	100.0

Coefficient of Utilization

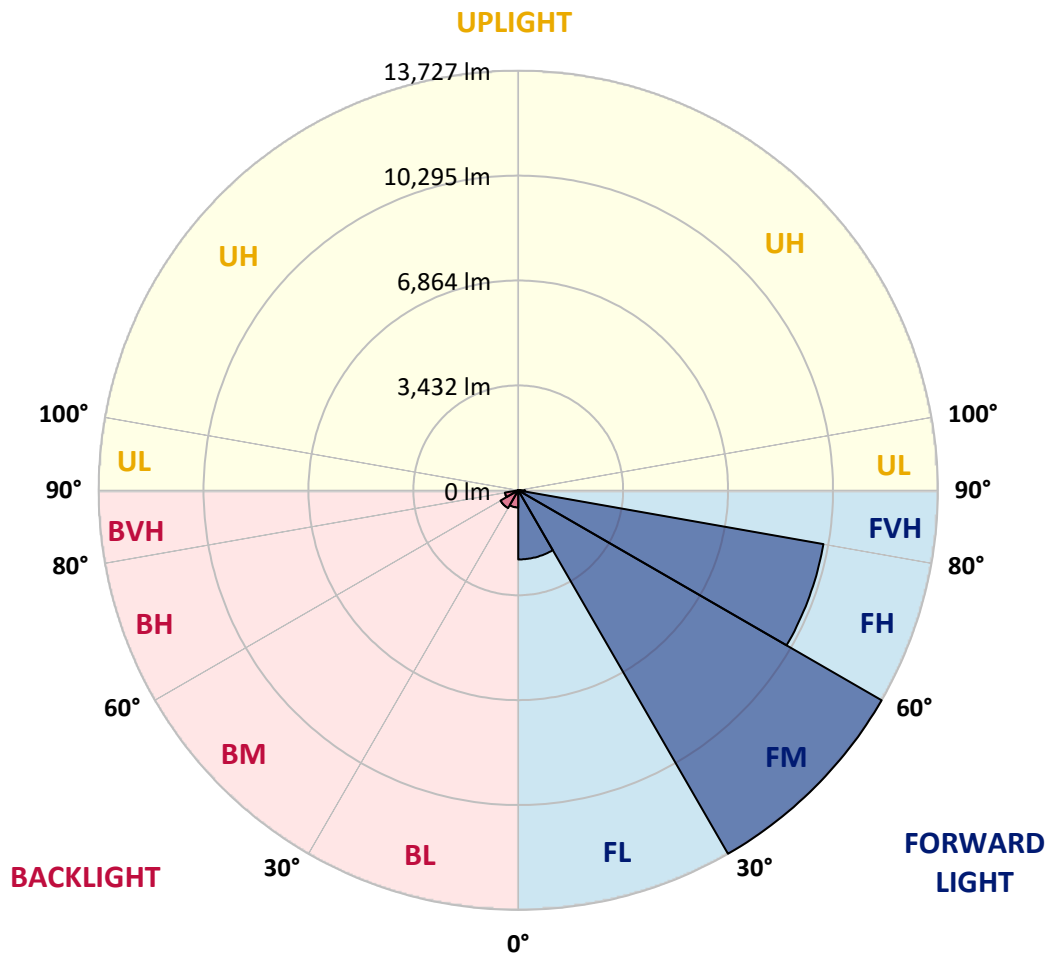


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2262.2	8.1			
FM (30°-60°)	13727.2	49.0			
FH (60°-80°)	10138.2	36.2			G4/12000
FVH (80°-90°)	225.7	0.8			G3/500
BL (0°-30°)	562.4	2.0	B2/1000		
BM (30°-60°)	670.5	2.4	B1/1000		
BH (60°-80°)	443.2	1.6	B1/500		G1/500
BVH (80°-90°)	5.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3190.5	3190.5	3190.5	3190.5	3190.5	3190.5	3190.5	3190.5	3190.5	3190.5	3190.5
2.5°	3755.1	3739.0	3732.4	3703.1	3652.5	3613.9	3539.3	3452.8	3436.9	3352.9	3250.4
5°	4242.5	4229.1	4219.8	4178.5	4126.6	4029.3	3893.5	3732.4	3701.8	3542.0	3336.9
7.5°	4582.0	4605.9	4605.9	4579.3	4514.1	4440.8	4274.4	4054.7	4016.1	3771.0	3452.8
10°	4780.3	4809.7	4832.3	4854.9	4845.6	4816.3	4659.2	4411.5	4365.0	4040.0	3587.3
12.5°	4799.1	4828.3	4892.2	4986.8	5078.6	5145.2	5046.7	4807.0	4753.8	4351.6	3747.1
15°	4695.2	4725.7	4824.3	5008.1	5230.5	5424.9	5456.8	5245.1	5190.5	4723.1	3946.8
17.5°	4514.1	4534.0	4675.2	4929.5	5278.3	5635.2	5828.3	5715.1	5664.6	5147.9	4169.1
20°	4379.6	4394.2	4518.0	4791.0	5249.1	5767.0	6179.9	6214.4	6161.3	5603.3	4410.2
22.5°	4609.9	4636.6	4640.6	4769.7	5169.2	5832.3	6488.8	6705.8	6665.9	6086.6	4647.2
25°	5239.8	5270.4	5169.2	5089.3	5237.1	5861.6	6753.8	7209.2	7177.2	6607.3	4885.6
27.5°	6072.0	6104.0	5973.5	5735.1	5592.6	5972.2	6989.5	7720.5	7719.2	7158.6	5142.5
30°	6889.6	6921.6	6788.4	6550.1	6222.5	6285.1	7193.2	8255.7	8263.8	7727.2	5415.6
32.5°	7747.1	7787.1	7650.0	7343.7	7001.4	6825.6	7479.5	8793.7	8839.0	8386.3	5723.1
35°	8721.8	8727.2	8534.1	8213.2	7819.0	7548.7	7938.8	9397.0	9504.9	9202.6	6113.3
37.5°	9677.9	9716.5	9558.1	9052.0	8689.8	8383.6	8621.9	10150.6	10303.8	10199.9	6623.3
40°	10386.3	10467.5	10444.9	9899.0	9555.4	9337.0	9470.2	11046.8	11241.2	11361.1	7266.4
42.5°	10831.1	10892.3	10996.2	10667.2	10355.7	10391.7	10471.5	12090.7	12330.4	12684.6	8005.4
45°	11341.0	11370.4	11456.9	11311.8	11101.3	11463.5	11534.1	13266.5	13518.2	14108.1	8825.7
47.5°	11964.2	12033.5	12057.5	11924.3	11828.4	12411.7	12558.1	14335.8	14688.6	15632.8	9693.9
50°	12757.8	12776.5	12817.8	12731.3	12635.3	13226.6	13476.9	15458.3	15779.2	17162.7	10550.1
52.5°	13534.2	13600.8	13744.5	13689.9	13651.4	13920.3	14295.8	16470.3	16828.5	18438.4	11404.9
55°	13757.8	13815.1	14311.8	14651.4	14965.6	14775.2	15078.8	17377.1	17764.6	19578.2	12227.9
57.5°	12864.4	12980.3	13840.5	14724.6	16028.2	16104.1	16154.7	18307.9	18655.5	20451.8	13084.1
60°	10606.0	10628.7	12040.2	13556.8	15852.4	17263.9	17726.0	19307.9	19599.5	21265.4	14109.4
62.5°	6745.8	6976.2	8524.8	10665.9	13993.6	17096.1	19626.1	20820.6	20927.1	22241.4	15579.5
65°	3213.1	3362.2	4478.1	6590.0	10136.0	14948.3	20937.7	23557.0	23605.0	24176.2	17543.6
67.5°	1779.0	1850.9	2382.2	3547.3	5925.6	10571.4	20407.8	26798.0	26843.3	26152.3	19266.6
69°	1391.5	1452.7	1870.8	2673.8	4017.4	7598.0	18467.7	27747.4	27882.0	26718.2	19327.8
70°	1181.1	1241.0	1611.2	2258.4	3230.4	5870.9	16438.4	27511.8	27654.2	26664.9	18871.1
72.5°	723.1	757.6	1073.2	1589.9	2165.1	2953.5	10137.3	23266.7	23507.7	24459.7	16218.6
75°	487.4	506.0	671.1	1097.2	1548.6	1520.7	5266.4	16399.7	16921.7	19027.0	11978.9
77.5°	348.9	366.2	450.0	709.7	1085.3	1004.0	2384.9	10191.9	10303.8	11411.6	6532.8
80°	198.4	214.3	318.2	422.1	736.4	669.8	948.1	4868.3	4924.2	4893.5	2181.1
82.5°	103.9	117.2	174.5	278.3	472.7	438.1	394.1	1629.8	1637.8	1362.2	478.1
85°	19.9	23.9	86.5	190.4	243.7	190.4	161.2	382.1	390.1	344.9	118.5
87.5°	0.0	1.3	34.7	42.6	48.0	49.3	51.9	74.5	79.9	107.9	32.0
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°	3190.5	3190.5	3190.5	3190.5	3190.5	3190.5	3190.5	3190.5	3190.5	3190.5	3190.5
2.5°	3205.1	3157.2	3065.3	2958.8	2876.2	2795.0	2731.1	2664.5	2640.6	2628.5	2627.2
5°	3237.0	3135.9	2941.5	2741.7	2578.0	2423.5	2312.9	2207.8	2158.5	2135.9	2126.5
7.5°	3290.3	3127.9	2815.0	2510.1	2274.4	2081.3	1928.1	1813.6	1756.3	1732.4	1723.1
10°	3352.9	3117.2	2667.1	2265.1	1964.1	1764.4	1612.5	1499.3	1436.8	1410.2	1396.9
12.5°	3426.1	3098.6	2496.7	2017.4	1699.0	1499.3	1315.6	1175.8	1103.9	1073.2	1058.6
15°	3516.7	3080.0	2318.2	1784.3	1466.1	1222.4	1021.3	926.8	912.2	906.8	908.2
17.5°	3605.9	3050.6	2123.8	1553.9	1221.1	954.7	852.2	846.9	849.6	849.6	849.6
20°	3685.9	2984.0	1912.2	1356.9	988.0	805.6	784.3	775.0	768.3	763.0	756.3
22.5°	3748.4	2894.9	1708.5	1161.2	806.9	737.7	704.4	675.1	651.2	635.1	627.2
25°	3791.0	2776.4	1522.0	973.4	725.7	671.1	611.2	561.9	524.6	502.0	492.7
27.5°	3823.0	2648.5	1355.6	814.9	669.8	593.9	515.3	456.7	418.1	398.1	390.1
30°	3845.6	2503.3	1209.1	716.4	607.2	512.6	428.8	371.5	343.6	332.9	327.5
32.5°	3866.9	2342.3	1070.6	669.8	548.6	438.1	359.5	315.6	298.3	285.0	281.0
35°	3920.1	2193.1	938.7	620.5	488.7	374.2	308.9	276.9	259.6	251.7	249.0
37.5°	4046.6	2082.6	812.3	569.9	428.8	323.6	270.3	247.7	231.7	223.7	221.1
40°	4250.4	2026.7	705.7	515.3	370.2	285.0	245.0	223.7	206.4	194.4	191.7
42.5°	4550.1	2034.7	631.1	460.7	323.6	254.3	221.1	195.7	177.1	166.5	163.8
45°	4913.5	2093.3	579.2	407.5	285.0	230.4	194.4	167.8	150.4	141.1	138.5
47.5°	5307.7	2187.7	536.7	359.5	254.3	207.7	167.8	139.8	125.2	117.2	115.9
50°	5723.1	2279.7	492.7	312.9	227.7	185.1	141.1	115.9	103.9	97.2	94.6
52.5°	6143.9	2386.2	452.7	270.3	205.0	158.5	117.2	94.6	85.2	79.9	77.2
55°	6596.7	2466.1	414.2	237.0	182.4	134.5	97.2	78.5	70.6	63.9	62.6
57.5°	7129.3	2589.9	374.2	205.0	155.8	111.9	79.9	62.6	55.9	49.3	48.0
60°	7848.3	2735.0	331.5	181.1	127.8	91.9	65.2	50.6	42.6	37.3	36.0
62.5°	8796.4	2896.2	278.3	158.5	103.9	74.5	51.9	40.0	30.6	23.9	23.9
65°	9998.9	3158.5	227.7	133.1	85.2	61.3	40.0	29.3	17.3	10.6	10.6
67.5°	10700.6	3203.8	183.8	109.2	69.2	51.9	33.3	19.9	5.3	1.3	0.0
69°	10475.5	2941.5	155.8	93.2	59.9	49.3	30.6	14.6	2.7	0.0	0.0
70°	10052.1	2689.8	137.1	82.5	54.6	46.6	29.3	10.6	2.7	0.0	0.0
72.5°	8306.4	1914.8	103.9	61.3	40.0	41.3	26.6	6.6	2.7	0.0	0.0
75°	6050.7	1163.8	74.5	42.6	25.3	30.6	18.6	2.7	1.3	0.0	0.0
77.5°	3366.2	548.6	46.6	23.9	16.0	18.6	9.3	0.0	0.0	0.0	0.0
80°	1093.3	149.1	21.3	13.3	9.3	10.6	4.0	0.0	0.0	0.0	0.0
82.5°	202.4	42.6	12.0	6.6	2.7	2.7	0.0	0.0	0.0	0.0	0.0
85°	44.0	17.3	6.6	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	14.6	5.3	1.3	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)