

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: P321890

Luminaire Tested: **GAN-SA6C-730-U-T2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P321890
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-730-U-T2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 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: 27407 lumens
Efficiency: N/A
Efficacy: 82.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G4

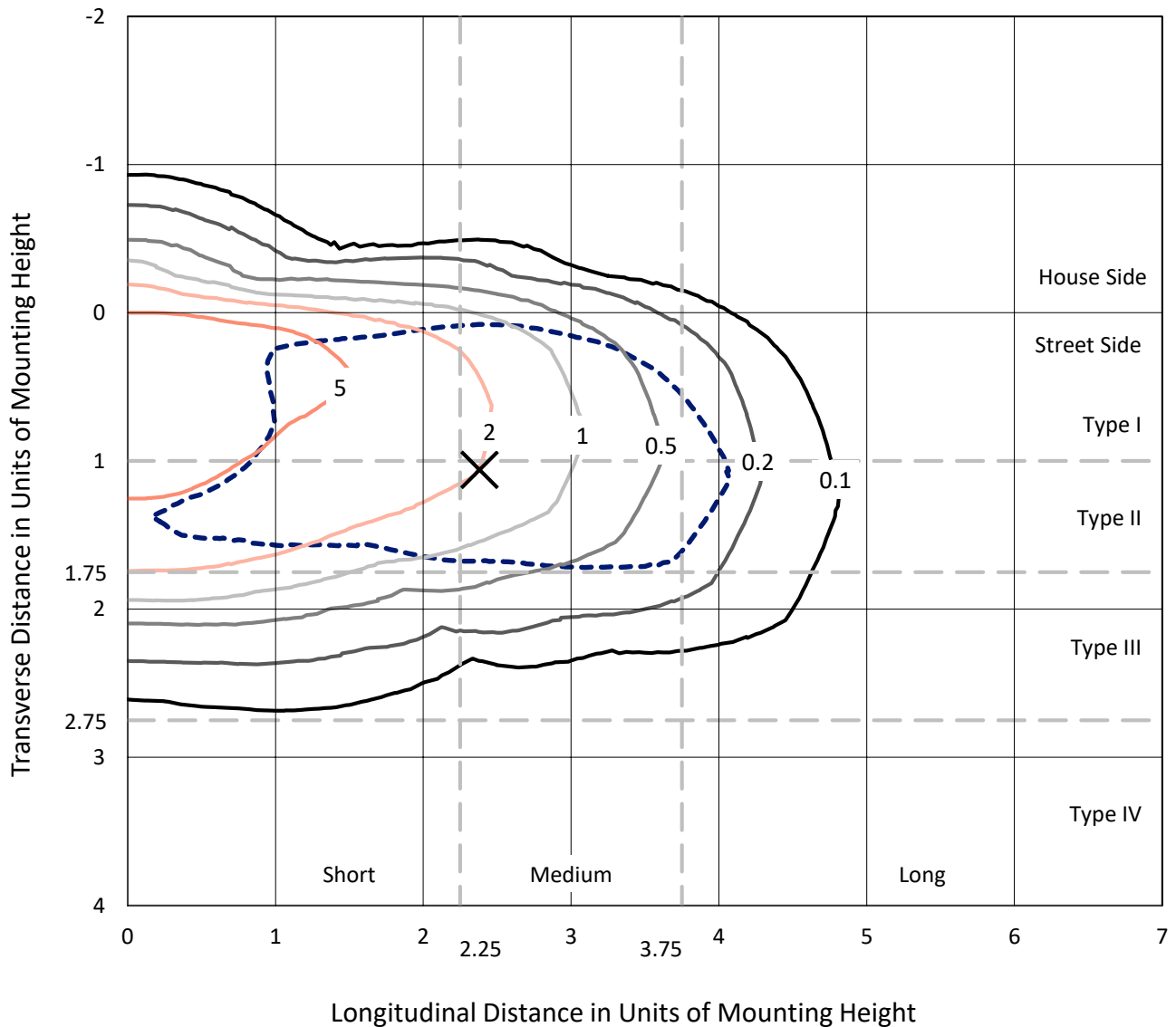
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

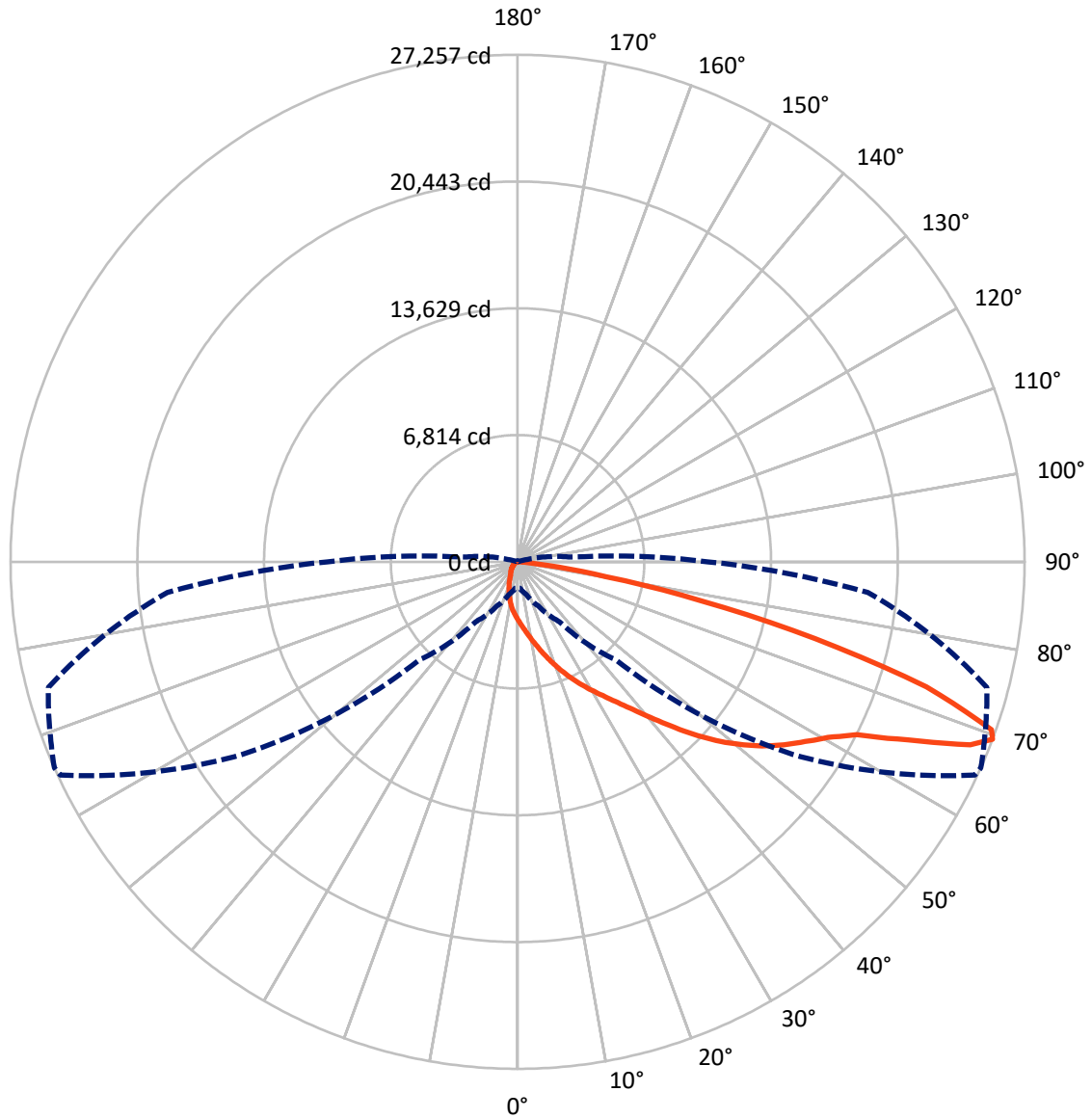
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 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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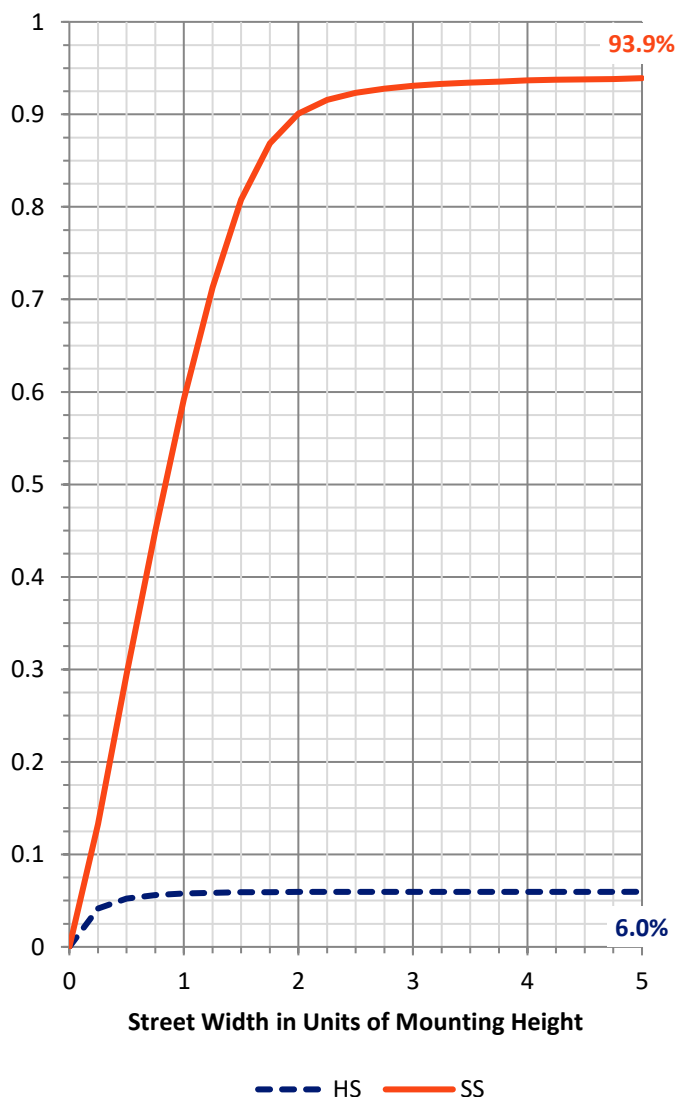
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1644.0	0.0	1644.0
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	25763.0	0.0	25763.0
	% Fixture	94.0	0.0	94.0
Total	Lumens	27407.0	0.0	27407.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.5	1.1
10°-20°	897.3	3.3
20°-30°	1562.5	5.7
30°-40°	2741.4	10.0
40°-50°	4588.8	16.7
50°-60°	6745.0	24.6
60°-70°	6925.5	25.3
70°-80°	3418.9	12.5
80°-90°	226.1	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°	27407.0	100.0
0°-180°	27407.0	100.0

Coefficient of Utilization

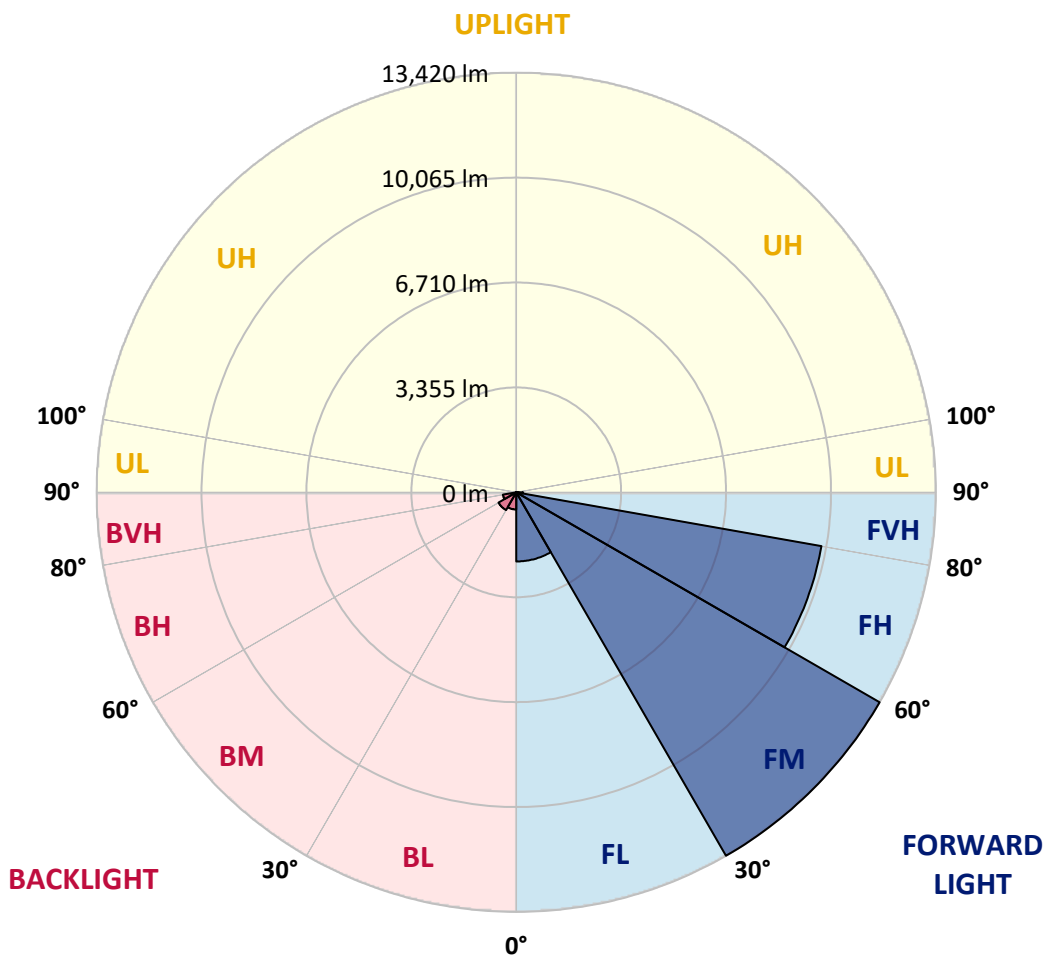


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2211.5	8.1			
FM (30°-60°)	13419.8	49.0			
FH (60°-80°)	9911.1	36.2			G4/12000
FVH (80°-90°)	220.6	0.8			G2/225
BL (0°-30°)	549.8	2.0	B2/1000		
BM (30°-60°)	655.5	2.4	B1/1000		
BH (60°-80°)	433.3	1.6	B1/500		G1/500
BVH (80°-90°)	5.5	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°	3119.0	3119.0	3119.0	3119.0	3119.0	3119.0	3119.0	3119.0	3119.0	3119.0	3119.0
2.5°	3670.9	3655.3	3648.8	3620.2	3570.7	3533.0	3460.1	3375.5	3359.8	3277.8	3177.6
5°	4147.4	4134.4	4125.3	4084.9	4034.1	3939.1	3806.3	3648.8	3618.9	3462.7	3262.2
7.5°	4479.3	4502.8	4502.8	4476.7	4412.9	4341.4	4178.6	3963.8	3926.1	3686.6	3375.5
10°	4673.3	4701.9	4724.1	4746.2	4737.1	4708.4	4554.8	4312.7	4267.2	3949.5	3506.9
12.5°	4691.5	4720.2	4782.6	4875.1	4964.9	5030.0	4933.7	4699.3	4647.3	4254.1	3663.1
15°	4590.0	4619.9	4716.3	4895.9	5113.3	5303.3	5334.6	5127.6	5074.2	4617.3	3858.4
17.5°	4412.9	4432.5	4570.5	4819.1	5160.2	5509.0	5697.8	5587.1	5537.7	5032.6	4075.8
20°	4281.5	4295.8	4416.9	4683.7	5131.5	5637.9	6041.4	6075.3	6023.2	5477.8	4311.4
22.5°	4506.7	4532.7	4536.6	4662.9	5053.4	5701.7	6343.5	6555.6	6516.6	5950.3	4543.1
25°	5122.4	5152.3	5053.4	4975.3	5119.8	5730.3	6602.5	7047.7	7016.5	6459.3	4776.1
27.5°	5936.0	5967.2	5839.7	5606.7	5467.4	5838.4	6832.9	7547.6	7546.3	6998.2	5027.4
30°	6735.3	6766.5	6636.3	6403.3	6083.1	6144.3	7032.1	8070.9	8078.7	7554.1	5294.2
32.5°	7573.6	7612.7	7478.6	7179.2	6844.6	6672.8	7312.0	8596.8	8641.0	8198.5	5594.9
35°	8526.5	8531.7	8342.9	8029.2	7643.9	7379.6	7761.1	9186.5	9291.9	8996.4	5976.4
37.5°	9461.2	9498.9	9344.0	8849.3	8495.3	8195.8	8428.9	9923.3	10073.0	9971.4	6474.9
40°	10153.7	10233.1	10211.0	9677.2	9341.4	9127.9	9258.1	10799.4	10989.4	11106.6	7103.7
42.5°	10588.5	10648.4	10749.9	10428.4	10123.7	10158.9	10237.0	11819.9	12054.2	12400.5	7826.2
45°	11087.0	11115.7	11200.3	11058.4	10852.7	11206.8	11275.8	12969.4	13215.4	13792.1	8628.0
47.5°	11696.3	11764.0	11787.4	11657.2	11563.5	12133.7	12276.8	14014.7	14359.7	15282.6	9476.8
50°	12472.1	12490.3	12530.7	12446.1	12352.4	12930.3	13175.1	15112.1	15425.8	16778.3	10313.8
52.5°	13231.0	13296.1	13436.7	13383.3	13345.6	13608.5	13975.6	16101.4	16451.6	18025.4	11149.5
55°	13449.7	13505.7	13991.3	14323.2	14630.4	14444.3	14741.1	16987.9	17366.7	19139.7	11954.0
57.5°	12576.3	12689.5	13530.4	14394.8	15669.2	15743.4	15792.9	17897.8	18237.6	19993.7	12791.0
60°	10368.5	10390.6	11770.5	13253.2	15497.4	16877.3	17329.0	18875.4	19160.5	20789.0	13793.4
62.5°	6594.7	6819.9	8333.8	10427.1	13680.1	16713.2	19186.6	20354.2	20458.4	21743.2	15230.5
65°	3141.1	3286.9	4377.8	6442.4	9909.0	14613.5	20468.8	23029.3	23076.2	23634.7	17150.6
67.5°	1739.1	1809.4	2328.8	3467.9	5792.8	10334.6	19950.7	26197.8	26242.1	25566.5	18835.1
69°	1360.3	1420.2	1829.0	2613.9	3927.4	7427.8	18054.0	27126.0	27257.4	26119.7	18895.0
70°	1154.7	1213.2	1575.1	2207.8	3158.1	5739.4	16070.2	26895.6	27034.8	26067.6	18448.5
72.5°	706.9	740.7	1049.2	1554.3	2116.7	2887.3	9910.3	22745.6	22981.2	23911.9	15855.4
75°	476.4	494.7	656.1	1072.6	1513.9	1486.6	5148.4	16032.4	16542.7	18600.8	11710.6
77.5°	341.1	358.0	440.0	693.8	1060.9	981.5	2331.4	9963.6	10073.0	11156.0	6386.4
80°	194.0	209.6	311.1	412.7	719.9	654.8	926.8	4759.2	4813.9	4783.9	2132.3
82.5°	101.5	114.6	170.5	272.1	462.1	428.3	385.3	1593.3	1601.2	1331.7	467.3
85°	19.5	23.4	84.6	186.2	238.2	186.2	157.5	373.6	381.4	337.2	115.9
87.5°	0.0	1.3	33.8	41.7	46.9	48.2	50.8	72.9	78.1	105.4	31.2
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°	3119.0	3119.0	3119.0	3119.0	3119.0	3119.0	3119.0	3119.0	3119.0	3119.0	3119.0
2.5°	3133.3	3086.5	2996.6	2892.5	2811.8	2732.4	2669.9	2604.8	2581.4	2569.7	2568.4
5°	3164.6	3065.6	2875.6	2680.3	2520.2	2369.2	2261.1	2158.3	2110.1	2088.0	2078.9
7.5°	3216.6	3057.8	2751.9	2453.8	2223.4	2034.6	1884.9	1773.0	1717.0	1693.6	1684.5
10°	3277.8	3047.4	2607.4	2214.3	1920.1	1724.8	1576.4	1465.8	1404.6	1378.6	1365.5
12.5°	3349.4	3029.2	2440.8	1972.2	1661.0	1465.8	1286.1	1149.4	1079.2	1049.2	1034.9
15°	3437.9	3011.0	2266.4	1744.4	1433.2	1195.0	998.4	906.0	891.7	886.5	887.8
17.5°	3525.2	2982.3	2076.3	1519.1	1193.7	933.4	833.1	827.9	830.5	830.5	830.5
20°	3603.3	2917.2	1869.3	1326.5	965.9	787.6	766.7	757.6	751.1	745.9	739.4
22.5°	3664.4	2830.0	1670.2	1135.1	788.9	721.2	688.6	660.0	636.6	620.9	613.1
25°	3706.1	2714.2	1487.9	951.6	709.5	656.1	597.5	549.3	512.9	490.8	481.6
27.5°	3737.3	2589.2	1325.2	796.7	654.8	580.6	503.8	446.5	408.8	389.2	381.4
30°	3759.5	2447.3	1182.0	700.3	593.6	501.2	419.2	363.2	335.9	325.4	320.2
32.5°	3780.3	2289.8	1046.6	654.8	536.3	428.3	351.5	308.5	291.6	278.6	274.7
35°	3832.4	2144.0	917.7	606.6	477.7	365.8	302.0	270.8	253.8	246.0	243.4
37.5°	3956.0	2035.9	794.1	557.2	419.2	316.3	264.3	242.1	226.5	218.7	216.1
40°	4155.2	1981.3	689.9	503.8	361.9	278.6	239.5	218.7	201.8	190.1	187.5
42.5°	4448.1	1989.1	617.0	450.4	316.3	248.6	216.1	191.4	173.1	162.7	160.1
45°	4803.5	2046.4	566.3	398.3	278.6	225.2	190.1	164.0	147.1	138.0	135.4
47.5°	5188.8	2138.8	524.6	351.5	248.6	203.1	164.0	136.7	122.4	114.6	113.3
50°	5594.9	2228.6	481.6	305.9	222.6	180.9	138.0	113.3	101.5	95.0	92.4
52.5°	6006.3	2332.7	442.6	264.3	200.5	154.9	114.6	92.4	83.3	78.1	75.5
55°	6448.9	2410.8	404.8	231.7	178.3	131.5	95.0	76.8	69.0	62.5	61.2
57.5°	6969.6	2531.9	365.8	200.5	152.3	109.3	78.1	61.2	54.7	48.2	46.9
60°	7672.5	2673.8	324.1	177.0	125.0	89.8	63.8	49.5	41.7	36.4	35.1
62.5°	8599.4	2831.3	272.1	154.9	101.5	72.9	50.8	39.1	29.9	23.4	23.4
65°	9774.9	3087.8	222.6	130.2	83.3	59.9	39.1	28.6	16.9	10.4	10.4
67.5°	10460.9	3132.0	179.6	106.7	67.7	50.8	32.5	19.5	5.2	1.3	0.0
69°	10240.9	2875.6	152.3	91.1	58.6	48.2	29.9	14.3	2.6	0.0	0.0
70°	9826.9	2629.5	134.1	80.7	53.4	45.6	28.6	10.4	2.6	0.0	0.0
72.5°	8120.3	1871.9	101.5	59.9	39.1	40.4	26.0	6.5	2.6	0.0	0.0
75°	5915.2	1137.7	72.9	41.7	24.7	29.9	18.2	2.6	1.3	0.0	0.0
77.5°	3290.8	536.3	45.6	23.4	15.6	18.2	9.1	0.0	0.0	0.0	0.0
80°	1068.7	145.8	20.8	13.0	9.1	10.4	3.9	0.0	0.0	0.0	0.0
82.5°	197.9	41.7	11.7	6.5	2.6	2.6	0.0	0.0	0.0	0.0	0.0
85°	43.0	16.9	6.5	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	14.3	5.2	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)