

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: P323580

Luminaire Tested: **GAN-SA6D-750-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323580
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6D-750-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39646 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

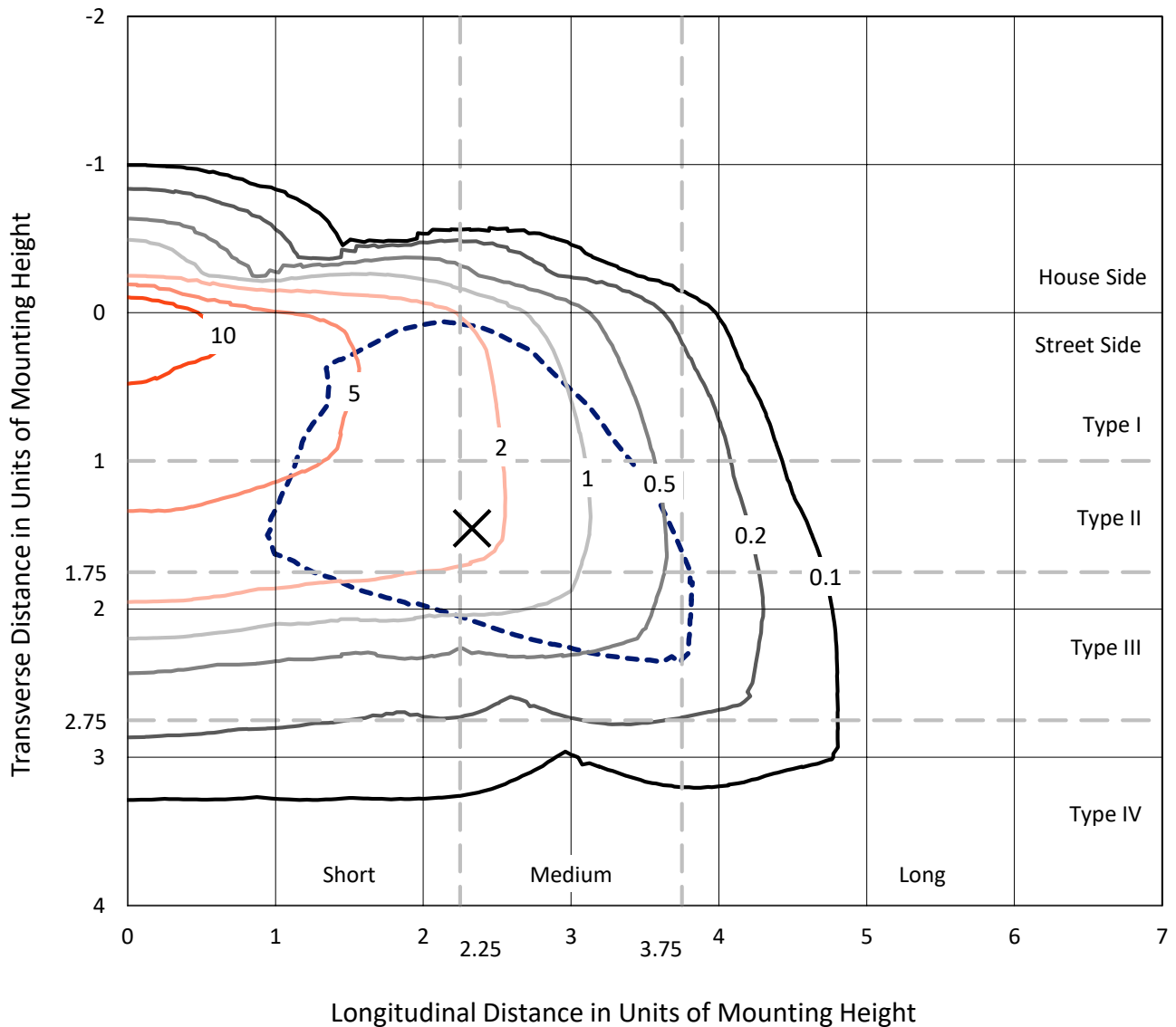
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

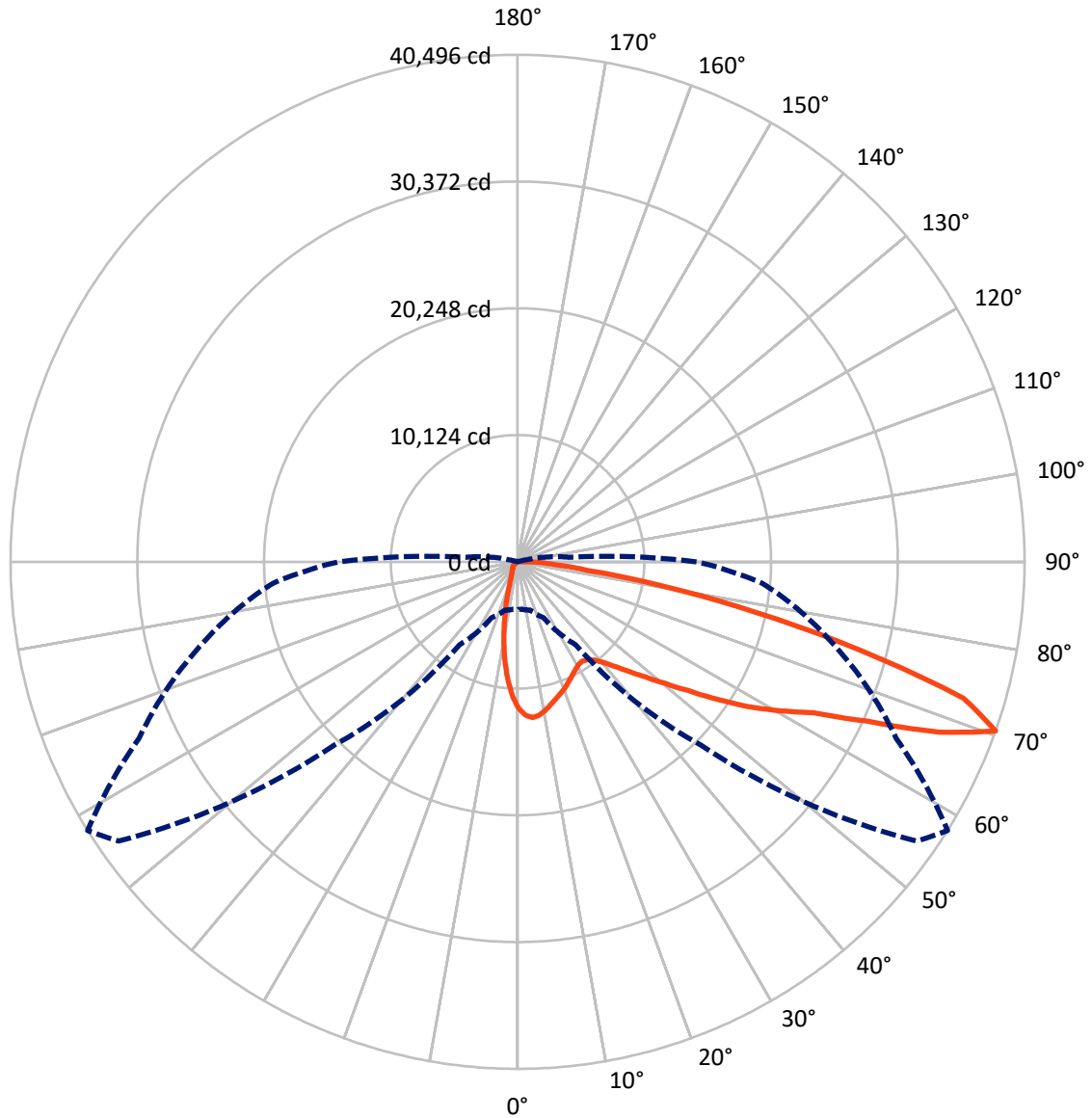
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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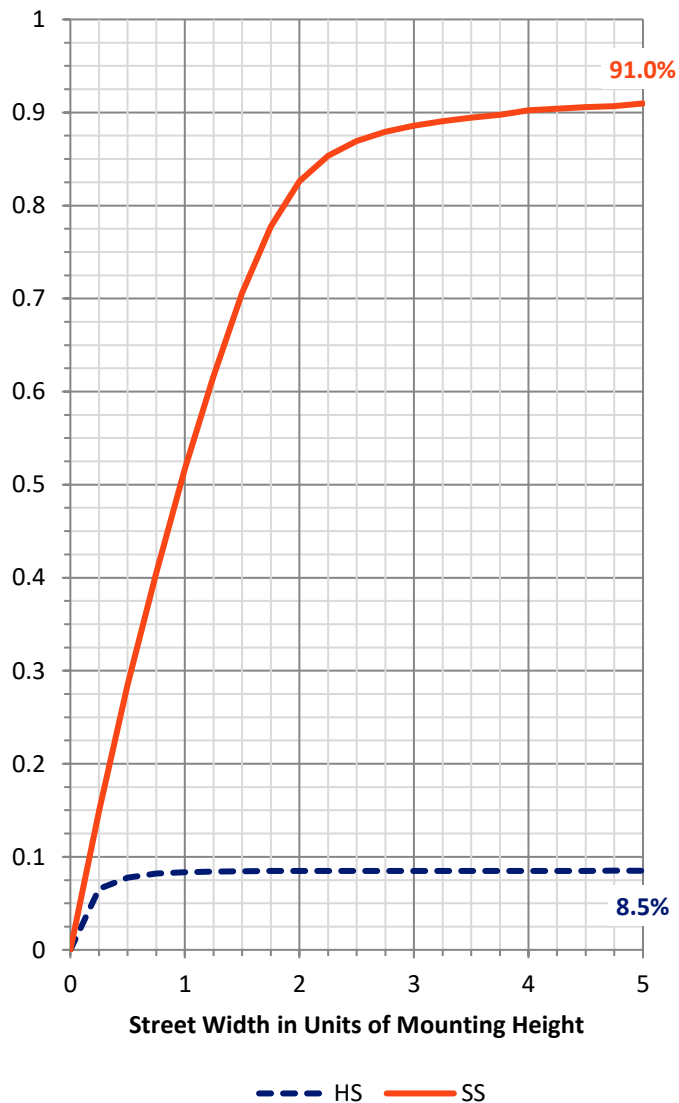
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3392.8	0.0	3392.8
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	36253.2	0.0	36253.2
	% Fixture	91.4	0.0	91.4
Total	Lumens	39646.0	0.0	39646.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	957.7	2.4
10°-20°	2009.9	5.1
20°-30°	2642.4	6.7
30°-40°	3499.5	8.8
40°-50°	5230.7	13.2
50°-60°	8379.4	21.1
60°-70°	10562.2	26.6
70°-80°	5697.2	14.4
80°-90°	666.9	1.7
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°	39646.0	100.0
0°-180°	39646.0	100.0

Coefficient of Utilization

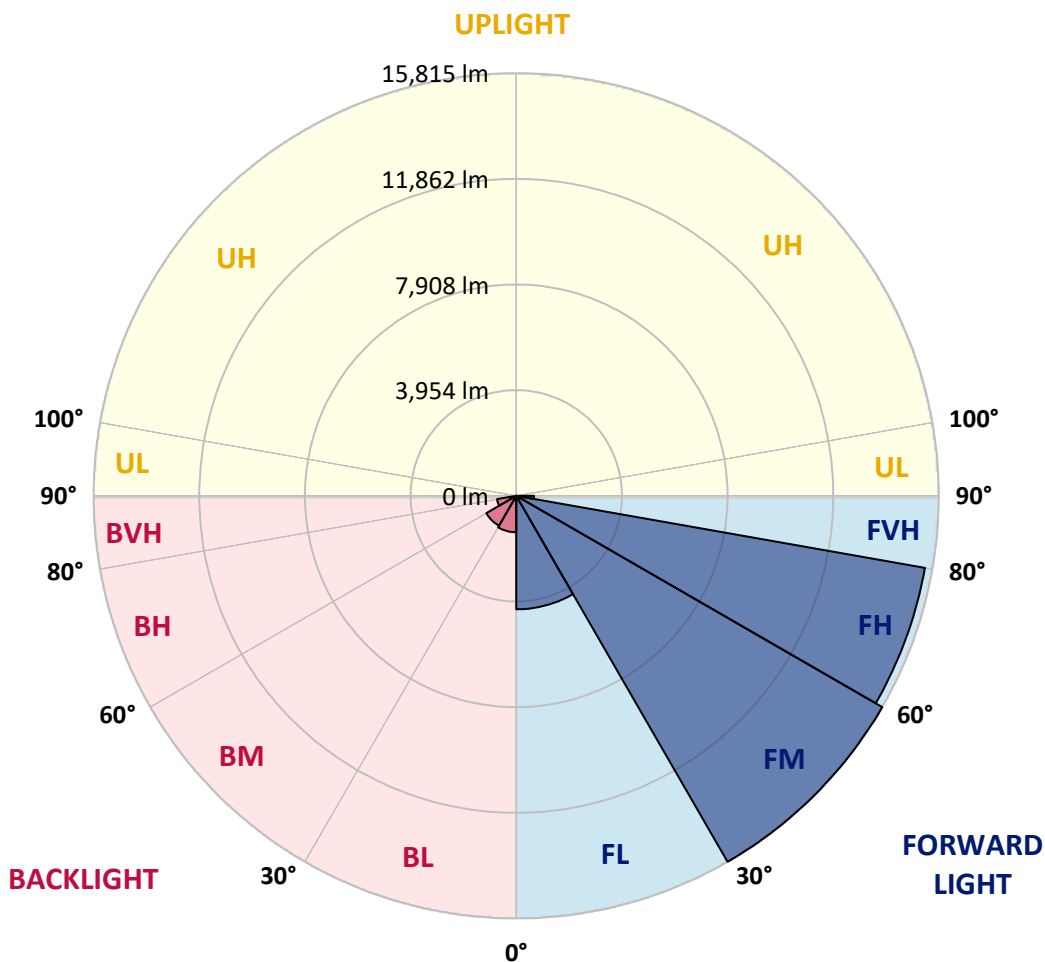


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4246.9	10.7			
FM (30°-60°)	15815.4	39.9			
FH (60°-80°)	15529.8	39.2			G5
FVH (80°-90°)	661.1	1.7			G4/750
BL (0°-30°)	1363.1	3.4	B3/2500		
BM (30°-60°)	1294.3	3.3	B2/2500		
BH (60°-80°)	729.6	1.8	B2/1000		G2/1000
BVH (80°-90°)	5.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	11711.2	11711.2	11711.2	11711.2	11711.2	11711.2	11711.2	11711.2	11711.2	11711.2	11711.2
2.5°	12682.2	12650.9	12639.4	12619.6	12543.8	12469.6	12322.8	12281.6	12189.3	11970.1	11737.6
5°	12692.1	12690.5	12725.1	12716.9	12690.5	12655.9	12550.3	12495.9	12339.3	12026.1	11600.8
7.5°	12080.5	12111.8	12189.3	12252.0	12324.5	12418.5	12431.7	12378.9	12250.3	11912.4	11348.6
10°	11259.5	11309.0	11417.8	11541.4	11731.0	11919.0	12087.1	12080.5	12036.0	11703.0	11045.2
12.5°	10436.9	10494.6	10619.9	10802.9	11071.6	11378.2	11678.3	11719.5	11793.7	11515.1	10765.0
15°	9716.5	9766.0	9889.6	10113.8	10446.8	10858.9	11299.1	11374.9	11566.2	11368.3	10530.9
17.5°	9104.9	9136.2	9226.9	9475.8	9861.6	10361.1	10933.1	11081.5	11366.7	11252.9	10328.1
20°	8677.9	8682.9	8742.2	8917.0	9302.7	9861.6	10554.0	10766.6	11155.7	11154.0	10118.7
22.5°	8466.9	8450.4	8462.0	8562.5	8846.1	9385.1	10174.8	10427.0	10966.1	11070.0	9906.1
25°	8427.3	8414.2	8381.2	8394.4	8565.8	8968.1	9792.3	10084.1	10799.6	11018.9	9721.5
27.5°	8551.0	8564.2	8508.1	8448.8	8462.0	8697.7	9452.7	9790.7	10664.4	11018.9	9591.2
30°	8799.9	8806.5	8765.3	8687.8	8584.0	8621.9	9217.0	9554.9	10596.8	11094.7	9508.8
32.5°	9075.2	9111.5	9106.5	9043.9	8895.5	8742.2	9160.9	9469.2	10591.9	11262.8	9500.5
35°	9416.5	9457.7	9526.9	9513.7	9358.8	9106.5	9352.2	9594.5	10689.1	11539.8	9589.6
37.5°	9779.1	9841.8	9990.2	10061.1	9960.5	9675.3	9780.8	9953.9	10949.6	11988.2	9815.4
40°	10130.3	10201.2	10471.5	10750.1	10674.3	10380.9	10430.3	10568.8	11412.9	12632.8	10244.0
42.5°	10474.8	10580.3	10977.6	11435.9	11526.6	11292.5	11318.9	11429.3	12100.3	13519.7	10944.7
45°	10887.0	11005.7	11594.2	12159.6	12402.0	12299.8	12411.9	12484.4	12998.8	14691.8	11889.3
47.5°	11492.0	11628.8	12350.9	12995.5	13420.8	13486.7	13712.6	13760.4	14134.6	16056.8	13120.7
50°	12672.3	12710.3	13363.1	13948.3	14561.6	14957.2	15214.4	15250.7	15509.5	17548.7	14658.8
52.5°	14157.7	14182.4	14551.7	14944.0	15641.4	16449.1	17050.9	17102.0	17156.4	19002.7	16177.1
55°	15633.1	15629.8	15873.8	16104.6	16902.5	18076.3	19381.9	19413.2	19022.5	20382.6	17337.7
57.5°	16554.7	16643.7	17014.6	17311.3	18425.8	19930.9	21742.6	21858.0	20982.6	21404.7	18485.1
60°	16261.2	16304.1	17126.7	18224.6	20323.2	22566.9	24131.4	24161.0	22456.4	22425.1	19935.8
62.5°	13854.3	13877.4	15169.9	17433.3	21284.3	25986.0	27013.0	26530.0	24151.1	23841.2	21671.7
65°	9495.6	9645.6	10725.4	13523.0	19518.7	28130.7	31474.0	30674.4	26734.4	25882.1	23241.1
67.5°	5591.9	5560.5	6094.7	8155.3	14335.7	26706.4	37116.9	36322.3	30257.3	27248.7	22781.2
70°	3819.7	3798.2	4002.7	4937.4	8092.7	20717.2	38892.4	40496.4	33368.1	26328.9	19606.1
72.5°	2726.7	2738.2	3039.9	3836.2	5080.8	12070.6	33445.6	37242.2	32393.8	22952.6	14902.8
75°	1851.3	1882.6	2314.6	3147.1	4454.4	6140.8	23734.1	28310.4	26378.3	16681.6	8565.8
77.5°	995.7	1030.3	1539.7	2535.5	4027.4	4266.4	15267.1	19484.1	16569.5	7499.2	2482.7
80°	415.4	435.2	720.4	1843.1	3480.1	3747.1	8982.9	11815.1	7060.7	1478.7	553.9
82.5°	179.7	189.6	300.0	1099.6	2601.4	3163.6	4756.0	5684.2	2139.8	324.8	278.6
85°	34.6	36.3	123.6	581.9	1660.1	1785.4	3082.8	3021.8	961.1	140.1	202.8
87.5°	0.0	0.0	29.7	183.0	488.0	972.6	1881.0	1857.9	326.4	67.6	75.8
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°	11711.2	11711.2	11711.2	11711.2	11711.2	11711.2	11711.2	11711.2	11711.2	11711.2	11711.2
2.5°	11618.9	11505.2	11266.1	10971.0	10745.2	10496.3	10298.4	10047.9	9939.1	9944.0	9884.7
5°	11358.5	11124.4	10595.2	9927.5	9413.2	8882.3	8425.7	7970.7	7702.0	7614.6	7532.2
7.5°	10985.9	10615.0	9770.9	8742.2	7871.8	7021.1	6280.9	5629.8	5217.6	5016.5	4942.3
10°	10565.5	10044.6	8823.0	7467.9	6224.9	5074.2	4114.8	3280.6	2947.6	2721.7	2664.0
12.5°	10196.2	9490.7	7896.5	6160.6	4685.2	3297.1	2382.1	1862.9	1637.0	1548.0	1533.1
15°	9848.4	8973.0	7004.7	4976.9	3244.3	2029.4	1515.0	1338.6	1285.9	1271.0	1271.0
17.5°	9520.3	8480.1	6132.6	3811.4	2146.4	1422.7	1254.5	1215.0	1198.5	1196.8	1198.5
20°	9177.4	7987.2	5275.3	2792.6	1498.5	1205.1	1158.9	1137.5	1132.5	1132.5	1132.5
22.5°	8849.4	7494.3	4441.2	1994.7	1201.8	1099.6	1076.5	1061.7	1056.7	1055.1	1051.8
25°	8534.5	7026.1	3626.8	1409.5	1055.1	1007.3	987.5	967.7	952.9	944.6	939.7
27.5°	8275.7	6609.0	2868.5	1130.9	952.9	911.6	886.9	857.2	821.0	804.5	797.9
30°	8069.6	6228.2	2210.7	954.5	857.2	816.0	778.1	727.0	674.3	646.2	644.6
32.5°	7908.1	5854.0	1678.2	844.1	771.5	720.4	666.0	601.7	540.7	509.4	507.8
35°	7828.9	5524.3	1282.6	763.3	695.7	631.4	563.8	492.9	433.6	403.9	400.6
37.5°	7881.7	5245.7	1000.7	695.7	631.4	557.2	478.1	403.9	351.1	324.8	323.1
40°	8074.6	5067.6	812.7	638.0	577.0	486.3	400.6	331.4	286.8	265.4	263.8
42.5°	8485.0	5001.7	694.0	590.2	524.2	420.4	333.0	273.7	232.4	217.6	214.3
45°	9170.8	5098.9	613.3	544.0	469.8	357.7	275.3	224.2	187.9	176.4	174.7
47.5°	10084.1	5354.5	555.6	499.5	420.4	301.7	229.1	181.3	153.3	141.8	140.1
50°	11261.2	5760.0	507.8	455.0	374.2	255.5	189.6	143.4	118.7	110.5	110.5
52.5°	12542.1	6243.0	464.9	413.8	328.1	212.7	153.3	110.5	94.0	84.1	84.1
55°	13600.5	6665.1	418.7	382.5	272.0	176.4	117.0	84.1	69.2	64.3	64.3
57.5°	14657.2	7115.1	366.0	328.1	217.6	143.4	89.0	62.6	51.1	47.8	47.8
60°	16027.1	7665.7	314.9	267.1	171.4	108.8	65.9	44.5	37.9	36.3	36.3
62.5°	17533.9	7988.8	268.7	214.3	133.5	80.8	47.8	29.7	28.0	28.0	26.4
65°	18455.4	7532.2	225.9	171.4	103.9	61.0	31.3	21.4	24.7	23.1	19.8
67.5°	17280.0	5896.8	184.6	133.5	80.8	46.2	19.8	14.8	26.4	21.4	16.5
70°	14307.7	4127.9	143.4	94.0	64.3	39.6	13.2	9.9	28.0	21.4	13.2
72.5°	10707.3	2763.0	113.7	62.6	47.8	34.6	11.5	4.9	24.7	18.1	11.5
75°	5850.7	1112.8	90.7	39.6	29.7	24.7	8.2	3.3	16.5	13.2	8.2
77.5°	1539.7	293.4	65.9	26.4	16.5	9.9	4.9	1.6	8.2	6.6	3.3
80°	392.4	113.7	42.9	18.1	11.5	4.9	0.0	0.0	1.6	0.0	0.0
82.5°	209.4	47.8	26.4	13.2	6.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	158.3	31.3	14.8	8.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	61.0	9.9	4.9	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)