

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: P323540

Luminaire Tested: **GAN-SA6D-740-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323540
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-740-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 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: 39647 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

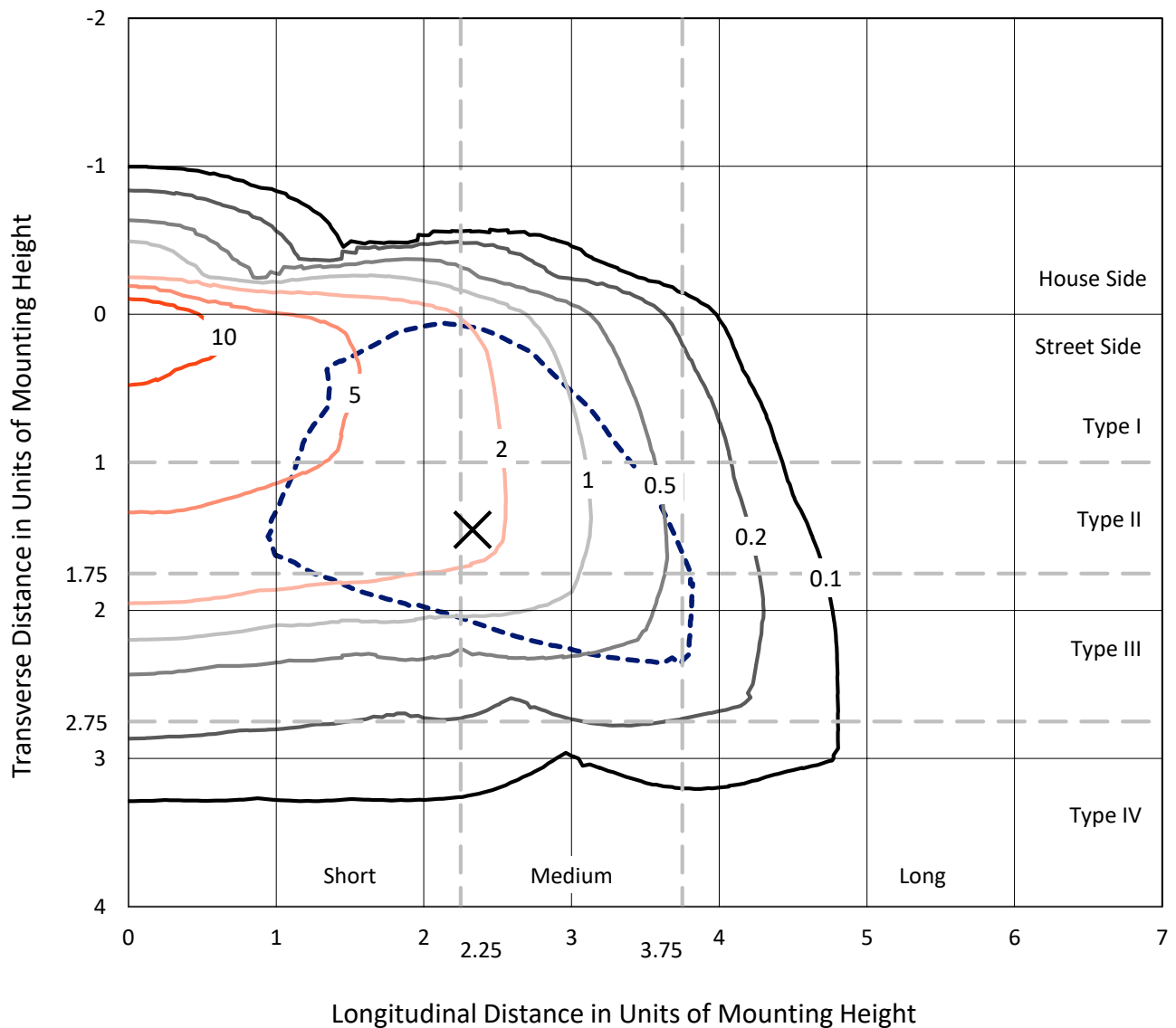
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

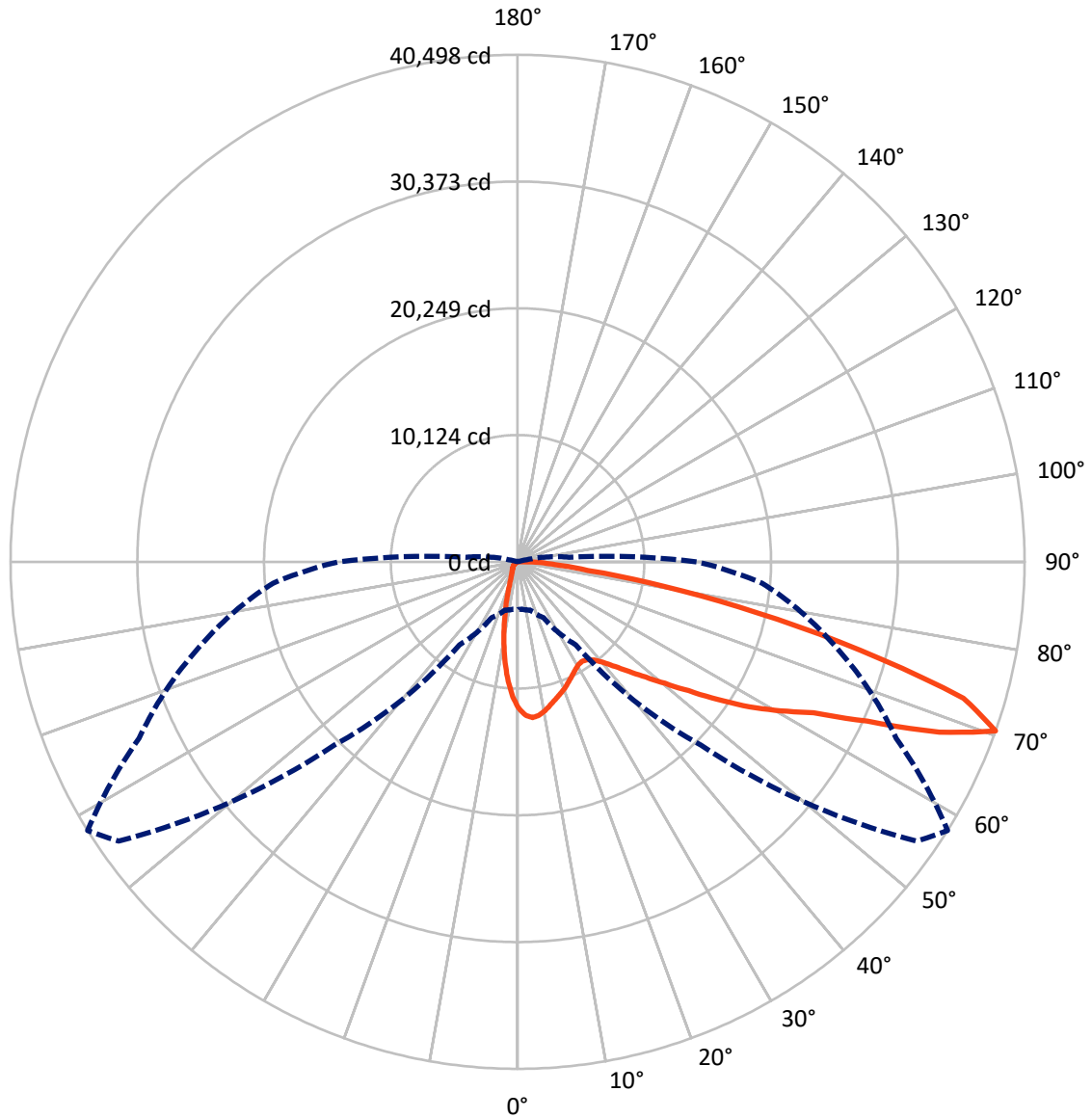
✕ Max cd
 - - - 1/2 Max cd



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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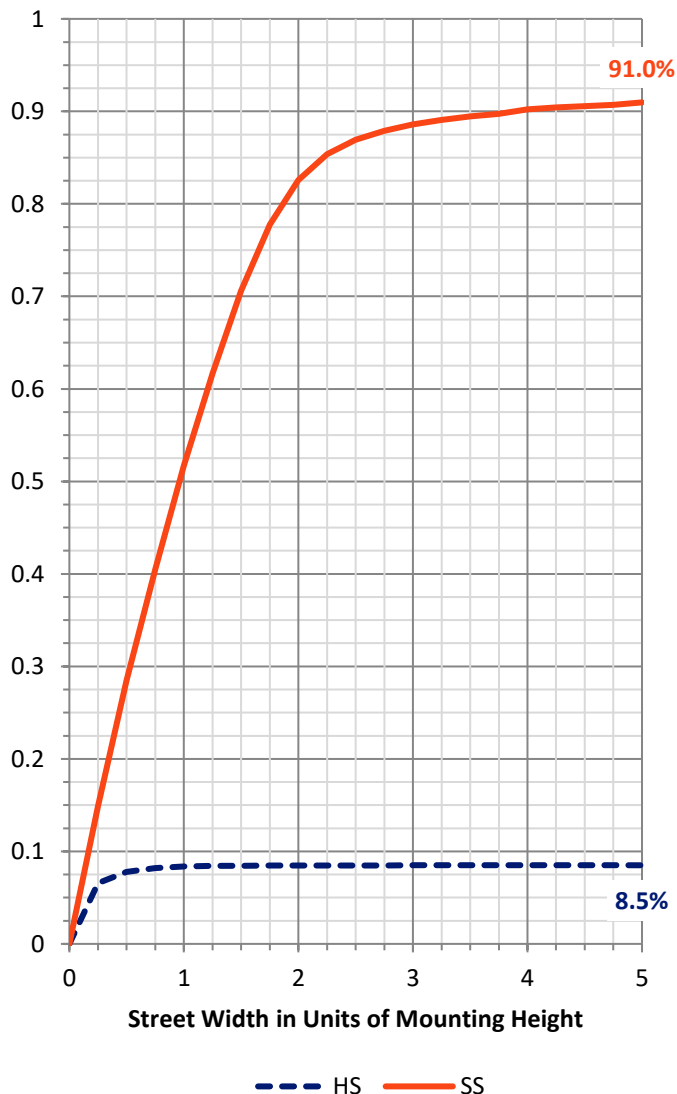
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3392.9	0.0	3392.9
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	36254.1	0.0	36254.1
	% Fixture	91.4	0.0	91.4
Total	Lumens	39647.0	0.0	39647.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	957.7	2.4
10°-20°	2010.0	5.1
20°-30°	2642.4	6.7
30°-40°	3499.6	8.8
40°-50°	5230.9	13.2
50°-60°	8379.7	21.1
60°-70°	10562.5	26.6
70°-80°	5697.3	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°	39647.0	100.0
0°-180°	39647.0	100.0

Coefficient of Utilization

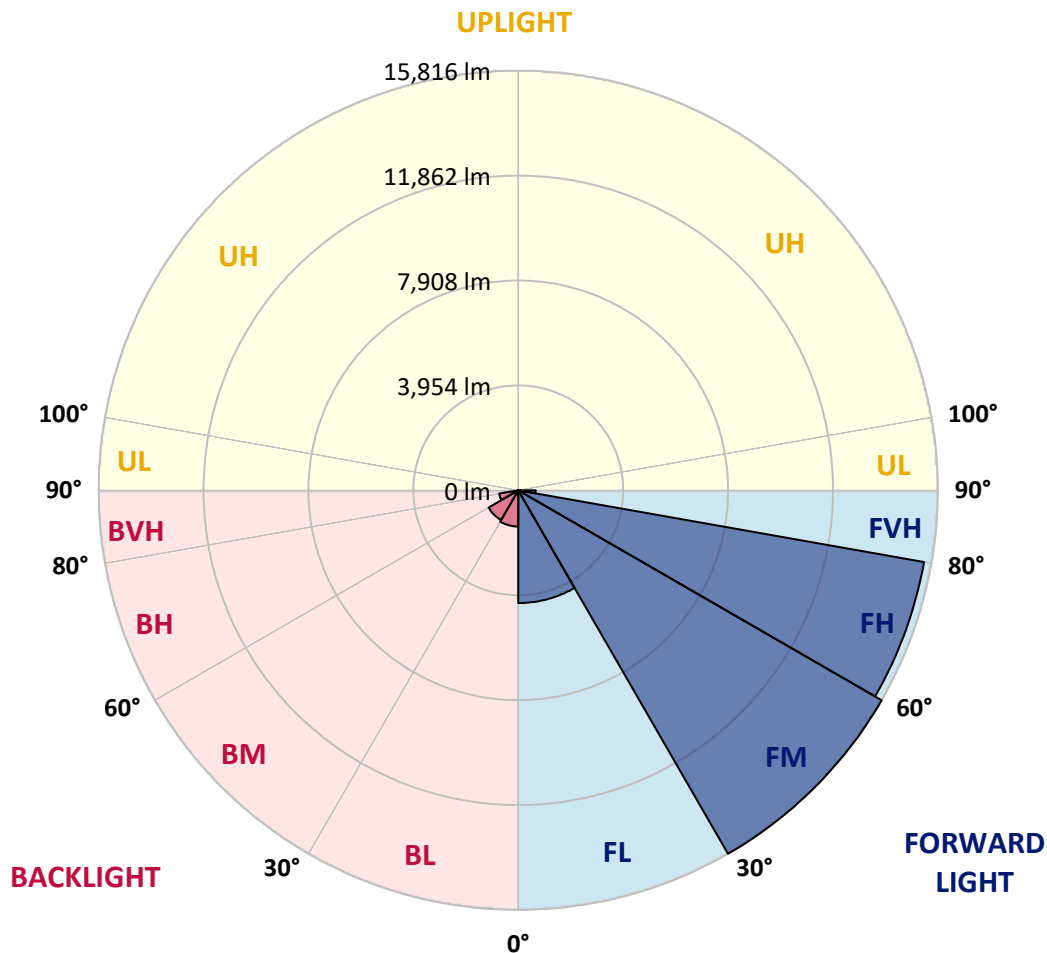


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4247.0	10.7			
FM (30°-60°)	15815.8	39.9			
FH (60°-80°)	15530.2	39.2			G5
FVH (80°-90°)	661.1	1.7			G4/750
BL (0°-30°)	1363.1	3.4	B3/2500		
BM (30°-60°)	1294.4	3.3	B2/2500		
BH (60°-80°)	729.7	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°	11711.5	11711.5	11711.5	11711.5	11711.5	11711.5	11711.5	11711.5	11711.5	11711.5	11711.5
2.5°	12682.6	12651.2	12639.7	12619.9	12544.1	12469.9	12323.2	12281.9	12189.6	11970.4	11737.9
5°	12692.4	12690.8	12725.4	12717.2	12690.8	12656.2	12550.7	12496.3	12339.6	12026.4	11601.1
7.5°	12080.8	12112.1	12189.6	12252.3	12324.8	12418.8	12432.0	12379.2	12250.6	11912.7	11348.8
10°	11259.8	11309.3	11418.1	11541.7	11731.3	11919.3	12087.4	12080.8	12036.3	11703.3	11045.5
12.5°	10437.2	10494.9	10620.2	10803.2	11071.9	11378.5	11678.6	11719.8	11794.0	11515.4	10765.2
15°	9716.8	9766.2	9889.9	10114.1	10447.1	10859.2	11299.4	11375.2	11566.5	11368.6	10531.2
17.5°	9105.1	9136.4	9227.1	9476.1	9861.8	10361.3	10933.4	11081.8	11367.0	11253.2	10328.4
20°	8678.1	8683.1	8742.4	8917.2	9303.0	9861.8	10554.2	10766.9	11156.0	11154.3	10119.0
22.5°	8467.1	8450.6	8462.2	8562.7	8846.3	9385.4	10175.1	10427.3	10966.4	11070.2	9906.3
25°	8427.6	8414.4	8381.4	8394.6	8566.0	8968.3	9792.6	10084.4	10799.9	11019.1	9721.7
27.5°	8551.2	8564.4	8508.3	8449.0	8462.2	8697.9	9453.0	9790.9	10664.7	11019.1	9591.5
30°	8800.1	8806.7	8765.5	8688.0	8584.2	8622.1	9217.2	9555.2	10597.1	11095.0	9509.0
32.5°	9075.5	9111.7	9106.8	9044.1	8895.8	8742.4	9161.2	9469.5	10592.1	11263.1	9500.8
35°	9416.7	9457.9	9527.2	9514.0	9359.0	9106.8	9352.4	9594.8	10689.4	11540.1	9589.8
37.5°	9779.4	9842.0	9990.4	10061.3	9960.7	9675.5	9781.0	9954.1	10949.9	11988.5	9815.7
40°	10130.5	10201.4	10471.8	10750.4	10674.6	10381.1	10430.6	10569.1	11413.1	12633.1	10244.3
42.5°	10475.1	10580.6	10977.9	11436.2	11526.9	11292.8	11319.2	11429.6	12100.6	13520.0	10944.9
45°	10887.2	11005.9	11594.5	12160.0	12402.3	12300.1	12412.2	12484.7	12999.1	14692.2	11889.6
47.5°	11492.3	11629.1	12351.2	12995.8	13421.1	13487.1	13712.9	13760.7	14135.0	16057.2	13121.1
50°	12672.7	12710.6	13363.4	13948.7	14561.9	14957.6	15214.8	15251.0	15509.9	17549.2	14659.2
52.5°	14158.0	14182.8	14552.0	14944.4	15641.8	16449.6	17051.3	17102.4	17156.8	19003.2	16177.5
55°	15633.5	15630.2	15874.2	16105.0	16902.9	18076.7	19382.4	19413.7	19023.0	20383.1	17338.2
57.5°	16555.1	16644.1	17015.0	17311.8	18426.2	19931.4	21743.2	21858.6	20983.2	21405.2	18485.6
60°	16261.6	16304.5	17127.1	18225.1	20323.7	22567.5	24132.0	24161.6	22457.0	22425.7	19936.3
62.5°	13854.7	13877.8	15170.3	17433.8	21284.9	25986.6	27013.7	26530.7	24151.7	23841.8	21672.3
65°	9495.8	9645.9	10725.7	13523.3	19519.2	28131.4	31474.8	30675.2	26735.1	25882.8	23241.7
67.5°	5592.0	5560.7	6094.8	8155.5	14336.1	26707.1	37117.9	36323.2	30258.1	27249.4	22781.8
70°	3819.8	3798.3	4002.8	4937.5	8092.9	20717.7	38893.4	40497.5	33369.0	26329.5	19606.6
72.5°	2726.8	2738.3	3040.0	3836.3	5080.9	12070.9	33446.5	37243.1	32394.7	22953.2	14903.2
75°	1851.4	1882.7	2314.6	3147.1	4454.5	6141.0	23734.7	28311.1	26379.0	16682.0	8566.0
77.5°	995.7	1030.4	1539.8	2535.5	4027.5	4266.5	15267.5	19484.6	16569.9	7499.4	2482.8
80°	415.4	435.2	720.4	1843.1	3480.2	3747.2	8983.1	11815.4	7060.9	1478.8	553.9
82.5°	179.7	189.6	300.0	1099.6	2601.5	3163.6	4756.2	5684.3	2139.9	324.8	278.6
85°	34.6	36.3	123.6	581.9	1660.1	1785.4	3082.9	3021.9	961.1	140.1	202.8
87.5°	0.0	0.0	29.7	183.0	488.0	972.7	1881.0	1858.0	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°	11711.5	11711.5	11711.5	11711.5	11711.5	11711.5	11711.5	11711.5	11711.5	11711.5	11711.5
2.5°	11619.2	11505.5	11266.4	10971.3	10745.5	10496.5	10298.7	10048.1	9939.3	9944.3	9884.9
5°	11358.7	11124.6	10595.4	9927.8	9413.4	8882.6	8425.9	7970.9	7702.2	7614.8	7532.4
7.5°	10986.2	10615.2	9771.2	8742.4	7872.0	7021.3	6281.1	5629.9	5217.8	5016.6	4942.5
10°	10565.8	10044.8	8823.2	7468.1	6225.1	5074.3	4114.9	3280.7	2947.7	2721.8	2664.1
12.5°	10196.5	9490.9	7896.7	6160.8	4685.3	3297.2	2382.2	1862.9	1637.0	1548.0	1533.2
15°	9848.6	8973.2	7004.8	4977.1	3244.4	2029.4	1515.0	1338.6	1285.9	1271.1	1271.1
17.5°	9520.6	8480.3	6132.7	3811.5	2146.5	1422.7	1254.6	1215.0	1198.5	1196.9	1198.5
20°	9177.7	7987.4	5275.5	2792.7	1498.6	1205.1	1159.0	1137.5	1132.6	1132.6	1132.6
22.5°	8849.6	7494.5	4441.3	1994.8	1201.8	1099.6	1076.5	1061.7	1056.7	1055.1	1051.8
25°	8534.7	7026.3	3626.9	1409.5	1055.1	1007.3	987.5	967.7	952.9	944.6	939.7
27.5°	8275.9	6609.2	2868.5	1130.9	952.9	911.7	886.9	857.3	821.0	804.5	797.9
30°	8069.8	6228.3	2210.8	954.5	857.3	816.0	778.1	727.0	674.3	646.2	644.6
32.5°	7908.3	5854.1	1678.3	844.1	771.5	720.4	666.0	601.7	540.7	509.4	507.8
35°	7829.1	5524.4	1282.6	763.3	695.7	631.4	563.8	492.9	433.6	403.9	400.6
37.5°	7881.9	5245.8	1000.7	695.7	631.4	557.2	478.1	403.9	351.1	324.8	323.1
40°	8074.8	5067.7	812.8	638.0	577.0	486.3	400.6	331.4	286.9	265.4	263.8
42.5°	8485.3	5001.8	694.1	590.2	524.2	420.4	333.0	273.7	232.5	217.6	214.3
45°	9171.1	5099.1	613.3	544.0	469.8	357.7	275.3	224.2	187.9	176.4	174.7
47.5°	10084.4	5354.6	555.6	499.5	420.4	301.7	229.2	181.3	153.3	141.8	140.1
50°	11261.5	5760.2	507.8	455.0	374.2	255.5	189.6	143.4	118.7	110.5	110.5
52.5°	12542.4	6243.2	464.9	413.8	328.1	212.7	153.3	110.5	94.0	84.1	84.1
55°	13600.8	6665.2	418.7	382.5	272.0	176.4	117.0	84.1	69.2	64.3	64.3
57.5°	14657.6	7115.3	366.0	328.1	217.6	143.4	89.0	62.6	51.1	47.8	47.8
60°	16027.5	7665.9	314.9	267.1	171.5	108.8	65.9	44.5	37.9	36.3	36.3
62.5°	17534.3	7989.0	268.7	214.3	133.5	80.8	47.8	29.7	28.0	28.0	26.4
65°	18455.9	7532.4	225.9	171.5	103.9	61.0	31.3	21.4	24.7	23.1	19.8
67.5°	17280.5	5897.0	184.6	133.5	80.8	46.2	19.8	14.8	26.4	21.4	16.5
70°	14308.1	4128.1	143.4	94.0	64.3	39.6	13.2	9.9	28.0	21.4	13.2
72.5°	10707.5	2763.0	113.8	62.6	47.8	34.6	11.5	4.9	24.7	18.1	11.5
75°	5850.8	1112.8	90.7	39.6	29.7	24.7	8.2	3.3	16.5	13.2	8.2
77.5°	1539.8	293.4	65.9	26.4	16.5	9.9	4.9	1.6	8.2	6.6	3.3
80°	392.4	113.8	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)