

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: P323488

Luminaire Tested: **GAN-SA4C-730-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323488
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-SA4C-730-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3000K, 1050mA 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: 22198 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

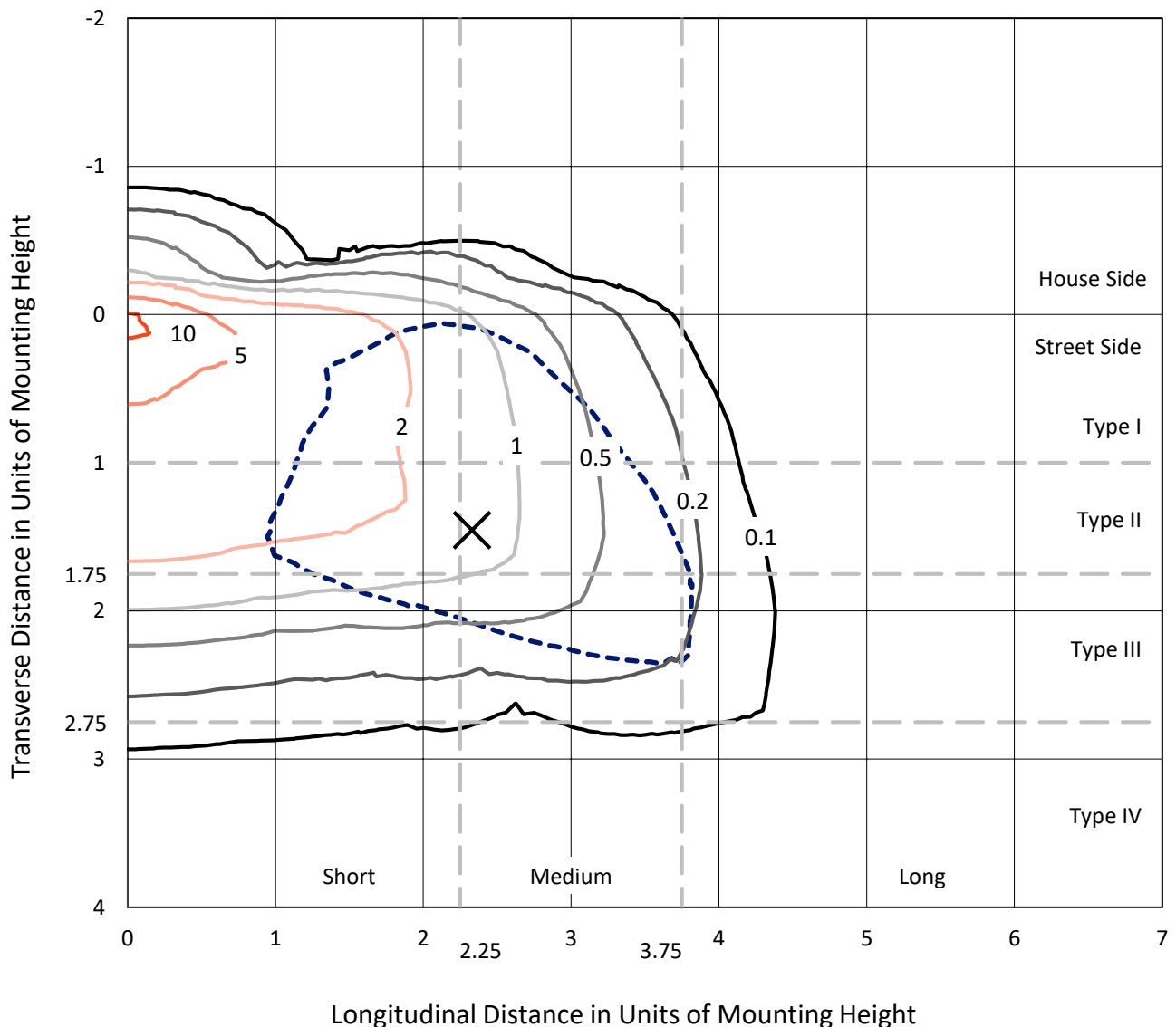
Input Watts (W): 225
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

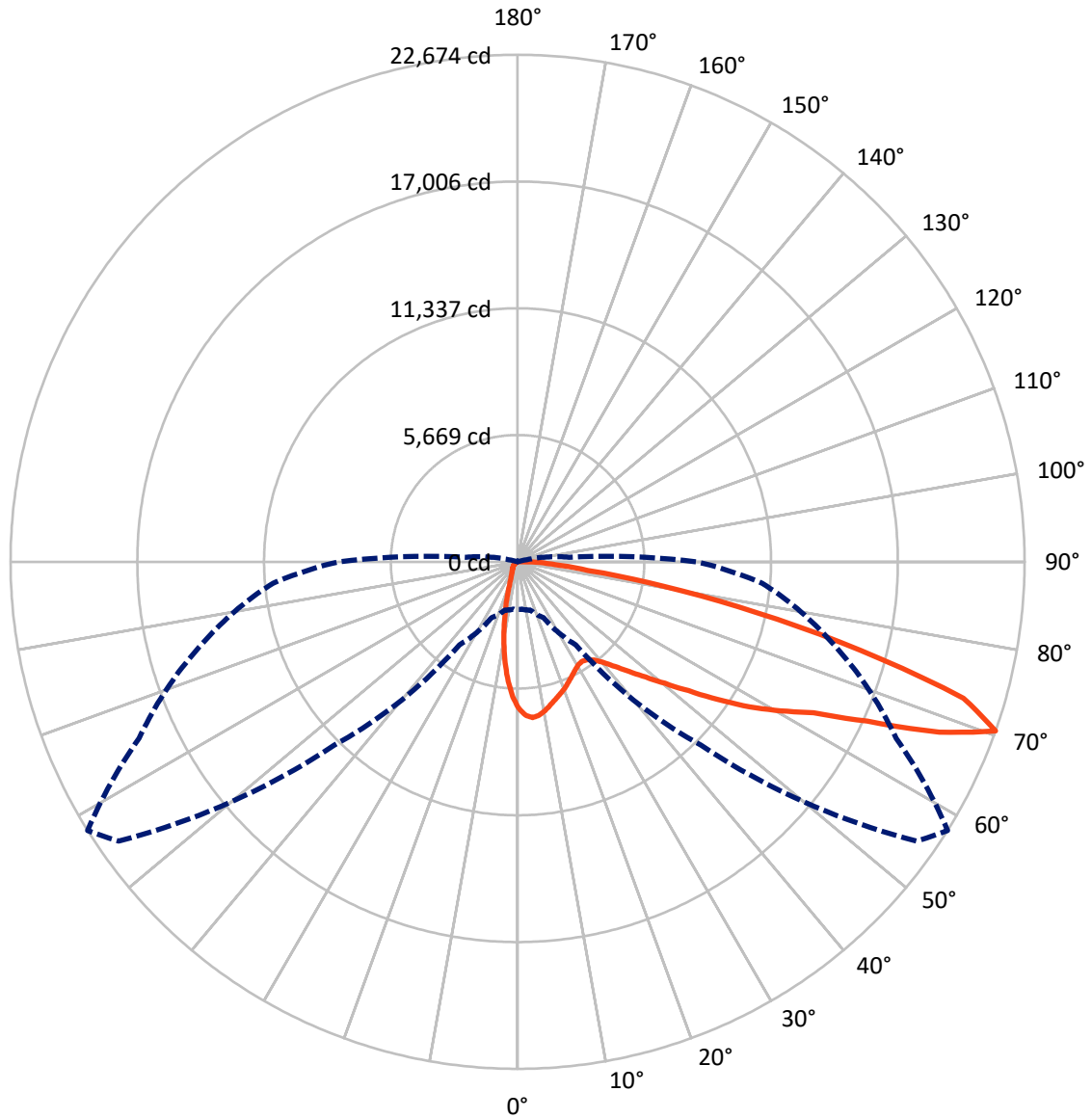
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 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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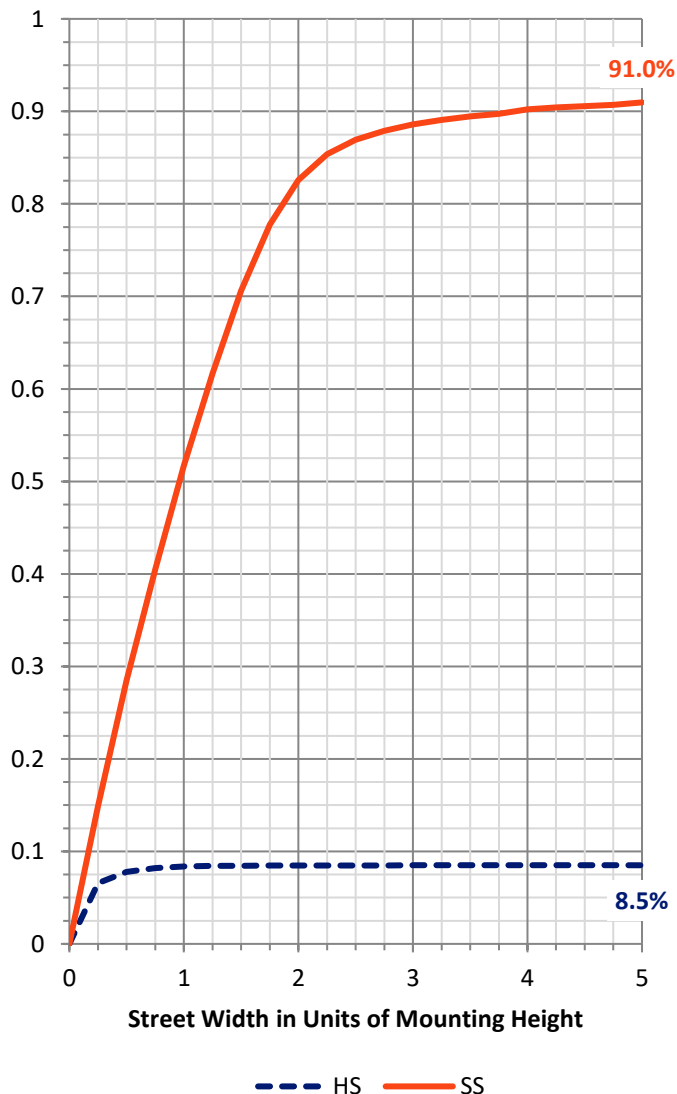
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1899.7	0.0	1899.7
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	20298.3	0.0	20298.3
	% Fixture	91.4	0.0	91.4
Total	Lumens	22198.0	0.0	22198.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	536.2	2.4
10°-20°	1125.4	5.1
20°-30°	1479.5	6.7
30°-40°	1959.4	8.8
40°-50°	2928.7	13.2
50°-60°	4691.7	21.1
60°-70°	5913.8	26.6
70°-80°	3189.9	14.4
80°-90°	373.4	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°	22198.0	100.0
0°-180°	22198.0	100.0

Coefficient of Utilization

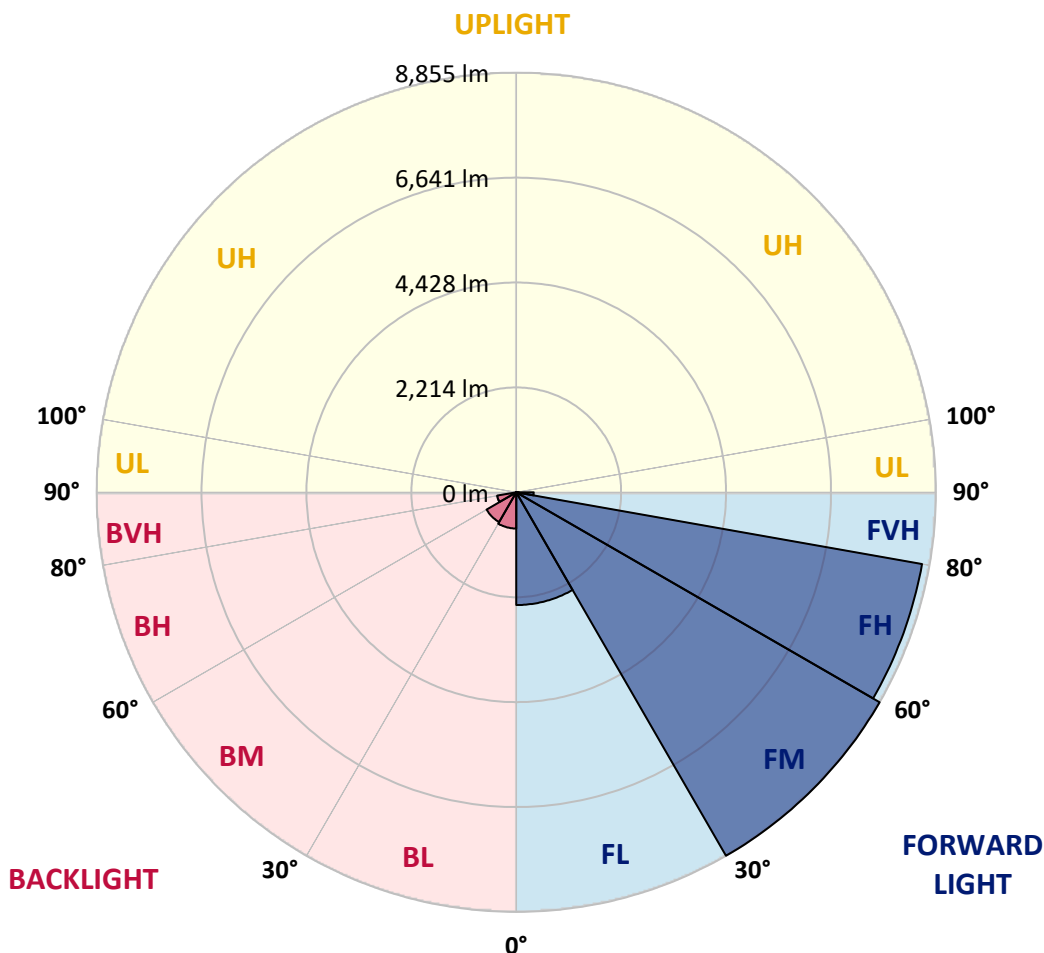


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2377.9	10.7			
FM (30°-60°)	8855.1	39.9			
FH (60°-80°)	8695.2	39.2			G4/12000
FVH (80°-90°)	370.2	1.7			G3/500
BL (0°-30°)	763.2	3.4	B2/1000		
BM (30°-60°)	724.7	3.3	B1/1000		
BH (60°-80°)	408.5	1.8	B1/500		G1/500
BVH (80°-90°)	3.2	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	6557.2	6557.2	6557.2	6557.2	6557.2	6557.2	6557.2	6557.2	6557.2	6557.2	6557.2
2.5°	7100.8	7083.3	7076.8	7065.8	7023.3	6981.8	6899.6	6876.6	6824.9	6702.1	6572.0
5°	7106.4	7105.5	7124.8	7120.2	7105.5	7086.1	7027.0	6996.5	6908.9	6733.5	6495.3
7.5°	6763.9	6781.5	6824.9	6859.9	6900.6	6953.2	6960.5	6931.0	6859.0	6669.8	6354.1
10°	6304.3	6332.0	6392.9	6462.1	6568.3	6673.5	6767.6	6763.9	6739.0	6552.6	6184.3
12.5°	5843.7	5876.0	5946.1	6048.6	6199.0	6370.7	6538.7	6561.8	6603.3	6447.3	6027.4
15°	5440.3	5468.0	5537.2	5662.8	5849.2	6080.0	6326.4	6368.9	6476.0	6365.2	5896.3
17.5°	5097.9	5115.4	5166.2	5305.6	5521.5	5801.2	6121.5	6204.6	6364.3	6300.6	5782.8
20°	4858.8	4861.6	4894.8	4992.7	5208.6	5521.5	5909.2	6028.3	6246.1	6245.2	5665.5
22.5°	4740.7	4731.4	4737.9	4794.2	4953.0	5254.8	5696.9	5838.1	6140.0	6198.1	5546.5
25°	4718.5	4711.1	4692.7	4700.1	4796.0	5021.3	5482.8	5646.2	6046.8	6169.5	5443.1
27.5°	4787.7	4795.1	4763.7	4730.5	4737.9	4869.9	5292.6	5481.9	5971.1	6169.5	5370.2
30°	4927.1	4930.8	4907.7	4864.4	4806.2	4827.4	5160.6	5349.9	5933.2	6212.0	5324.0
32.5°	5081.3	5101.6	5098.8	5063.7	4980.7	4894.8	5129.3	5301.9	5930.4	6306.1	5319.4
35°	5272.3	5295.4	5334.2	5326.8	5240.0	5098.8	5236.3	5372.0	5984.9	6461.2	5369.2
37.5°	5475.4	5510.5	5593.5	5633.2	5576.9	5417.2	5476.3	5573.2	6130.7	6712.3	5495.7
40°	5672.0	5711.7	5863.1	6019.1	5976.6	5812.3	5840.0	5917.5	6390.1	7073.2	5735.7
42.5°	5864.9	5924.0	6146.4	6403.0	6453.8	6322.7	6337.5	6399.3	6775.0	7569.7	6128.0
45°	6095.7	6162.1	6491.6	6808.2	6943.9	6886.7	6949.5	6990.1	7278.1	8226.0	6656.9
47.5°	6434.4	6511.0	6915.3	7276.2	7514.4	7551.3	7677.7	7704.5	7914.0	8990.3	7346.4
50°	7095.3	7116.5	7482.1	7809.7	8153.1	8374.6	8518.6	8538.9	8683.8	9825.6	8207.6
52.5°	7927.0	7940.8	8147.6	8367.2	8757.7	9210.0	9546.9	9575.5	9605.9	10639.7	9057.7
55°	8753.1	8751.2	8887.8	9017.1	9463.8	10121.0	10852.0	10869.6	10650.8	11412.3	9707.5
57.5°	9269.0	9318.9	9526.6	9692.7	10316.7	11159.4	12173.8	12238.4	11748.3	11984.6	10349.9
60°	9104.7	9128.7	9589.3	10204.1	11379.1	12635.3	13511.3	13527.9	12573.5	12555.9	11162.2
62.5°	7757.1	7770.0	8493.7	9761.0	11917.2	14549.7	15124.7	14854.3	13522.3	13348.8	12134.1
65°	5316.6	5400.6	6005.2	7571.6	10928.6	15750.5	17622.4	17174.8	14968.7	14491.5	13012.8
67.5°	3130.9	3113.4	3412.4	4566.2	8026.6	14953.0	20782.0	20337.1	16941.2	15256.7	12755.3
70°	2138.7	2126.7	2241.1	2764.5	4531.1	11599.7	21776.1	22674.2	18683.0	14741.7	10977.6
72.5°	1526.7	1533.1	1702.1	2147.9	2844.8	6758.4	18726.4	20852.1	18137.5	12851.3	8344.2
75°	1036.6	1054.1	1295.9	1762.1	2494.0	3438.3	13288.8	15851.1	14769.4	9340.1	4796.0
77.5°	557.5	576.9	862.1	1419.6	2255.0	2388.8	8548.2	10909.3	9277.3	4198.9	1390.1
80°	232.6	243.7	403.4	1031.9	1948.5	2098.0	5029.6	6615.3	3953.3	828.0	310.1
82.5°	100.6	106.1	168.0	615.7	1456.5	1771.3	2662.9	3182.6	1198.1	181.8	156.0
85°	19.4	20.3	69.2	325.8	929.5	999.6	1726.1	1691.9	538.1	78.5	113.5
87.5°	0.0	0.0	16.6	102.5	273.2	544.6	1053.2	1040.3	182.8	37.8	42.5
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°	6557.2	6557.2	6557.2	6557.2	6557.2	6557.2	6557.2	6557.2	6557.2	6557.2	6557.2
2.5°	6505.5	6441.8	6308.0	6142.7	6016.3	5876.9	5766.1	5625.8	5564.9	5567.7	5534.5
5°	6359.7	6228.6	5932.3	5558.5	5270.5	4973.3	4717.6	4462.8	4312.4	4263.5	4217.3
7.5°	6151.1	5943.4	5470.8	4894.8	4407.5	3931.2	3516.7	3152.1	2921.4	2808.8	2767.2
10°	5915.7	5624.0	4940.0	4181.3	3485.4	2841.1	2303.9	1836.8	1650.4	1523.9	1491.6
12.5°	5708.9	5313.9	4421.3	3449.4	2623.2	1846.1	1333.8	1043.0	916.6	866.7	858.4
15°	5514.2	5024.0	3921.9	2786.6	1816.5	1136.2	848.3	749.5	720.0	711.7	711.7
17.5°	5330.5	4748.1	3433.7	2134.0	1201.8	796.6	702.4	680.3	671.0	670.1	671.0
20°	5138.5	4472.1	2953.7	1563.6	839.0	674.7	648.9	636.9	634.1	634.1	634.1
22.5°	4954.8	4196.1	2486.6	1116.9	672.9	615.7	602.7	594.4	591.7	590.7	588.9
25°	4778.5	3933.9	2030.7	789.2	590.7	564.0	552.9	541.8	533.5	528.9	526.1
27.5°	4633.6	3700.4	1606.1	633.2	533.5	510.4	496.6	480.0	459.7	450.4	446.7
30°	4518.2	3487.2	1237.8	534.4	480.0	456.9	435.7	407.1	377.5	361.8	360.9
32.5°	4427.8	3277.7	939.6	472.6	432.0	403.4	372.9	336.9	302.8	285.2	284.3
35°	4383.5	3093.1	718.1	427.4	389.5	353.5	315.7	276.0	242.8	226.1	224.3
37.5°	4413.0	2937.1	560.3	389.5	353.5	312.0	267.7	226.1	196.6	181.8	180.9
40°	4521.0	2837.4	455.1	357.2	323.1	272.3	224.3	185.5	160.6	148.6	147.7
42.5°	4750.8	2800.5	388.6	330.4	293.5	235.4	186.5	153.2	130.1	121.8	120.0
45°	5134.8	2854.9	343.4	304.6	263.1	200.3	154.1	125.5	105.2	98.8	97.8
47.5°	5646.2	2998.0	311.1	279.7	235.4	168.9	128.3	101.5	85.8	79.4	78.5
50°	6305.2	3225.1	284.3	254.8	209.5	143.1	106.1	80.3	66.5	61.8	61.8
52.5°	7022.4	3495.5	260.3	231.7	183.7	119.1	85.8	61.8	52.6	47.1	47.1
55°	7615.0	3731.8	234.4	214.1	152.3	98.8	65.5	47.1	38.8	36.0	36.0
57.5°	8206.6	3983.8	204.9	183.7	121.8	80.3	49.8	35.1	28.6	26.8	26.8
60°	8973.7	4292.1	176.3	149.5	96.0	60.9	36.9	24.9	21.2	20.3	20.3
62.5°	9817.3	4473.0	150.5	120.0	74.8	45.2	26.8	16.6	15.7	15.7	14.8
65°	10333.3	4217.3	126.5	96.0	58.2	34.2	17.5	12.0	13.8	12.9	11.1
67.5°	9675.2	3301.7	103.4	74.8	45.2	25.8	11.1	8.3	14.8	12.0	9.2
70°	8011.0	2311.3	80.3	52.6	36.0	22.2	7.4	5.5	15.7	12.0	7.4
72.5°	5995.1	1547.0	63.7	35.1	26.8	19.4	6.5	2.8	13.8	10.2	6.5
75°	3275.8	623.0	50.8	22.2	16.6	13.8	4.6	1.8	9.2	7.4	4.6
77.5°	862.1	164.3	36.9	14.8	9.2	5.5	2.8	0.9	4.6	3.7	1.8
80°	219.7	63.7	24.0	10.2	6.5	2.8	0.0	0.0	0.9	0.0	0.0
82.5°	117.2	26.8	14.8	7.4	3.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	88.6	17.5	8.3	4.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	34.2	5.5	2.8	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)