

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: P318084

Luminaire Tested: **GAN-SA0B-740-U-T2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318084
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0B-740-U-T2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 55508 lumens
Efficiency: N/A
Efficacy: 132.5 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G5

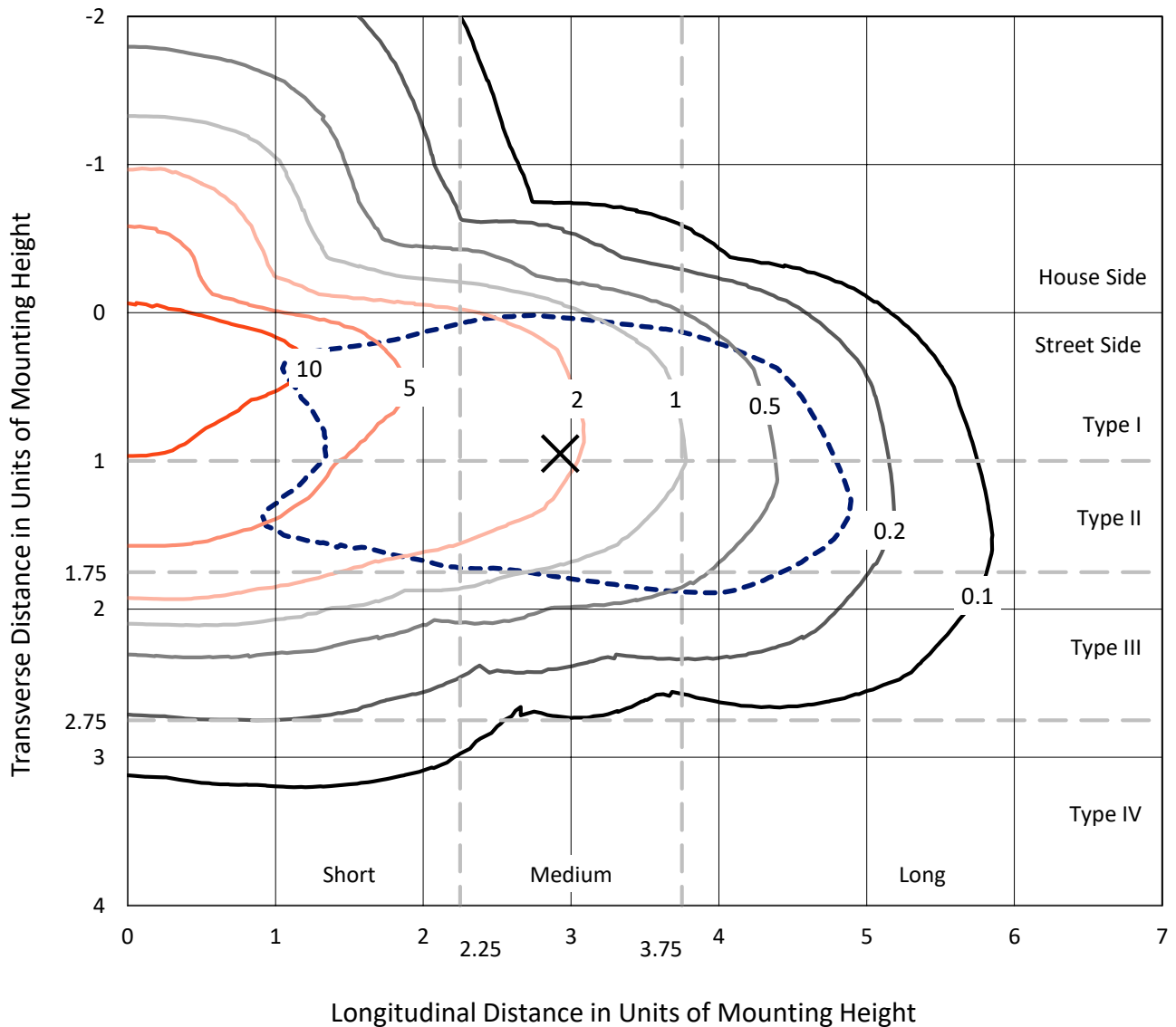
Input Watts (W): 419
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

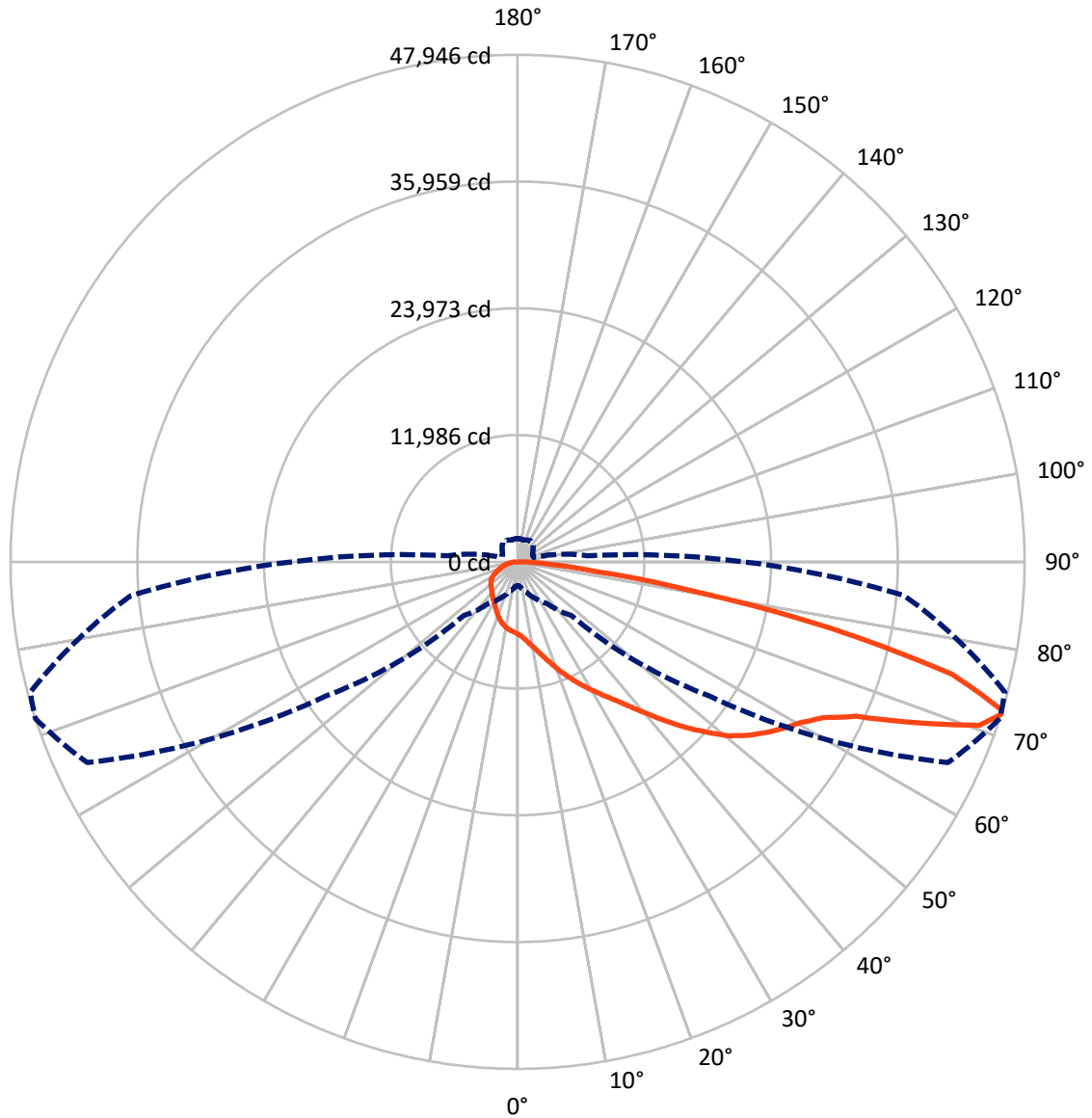
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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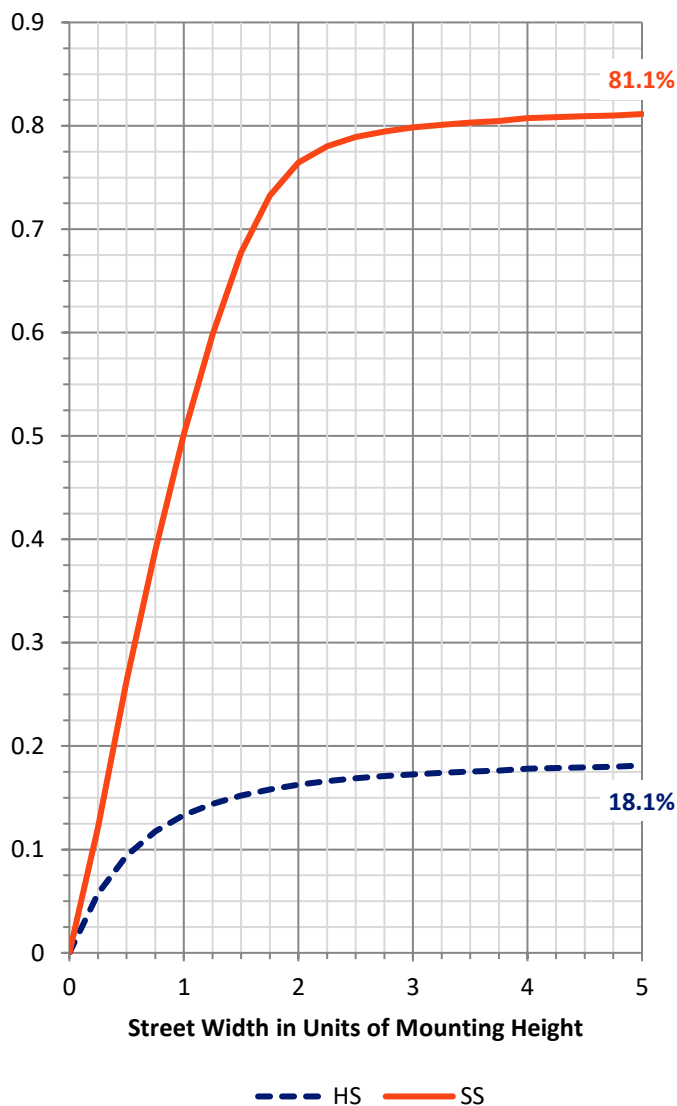
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10297.1	0.0	10297.1
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	45210.9	0.0	45210.9
	% Fixture	81.4	0.0	81.4
Total	Lumens	55508.0	0.0	55508.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	684.3	1.2
10°-20°	2211.3	4.0
20°-30°	3874.8	7.0
30°-40°	5745.1	10.4
40°-50°	8402.7	15.1
50°-60°	11562.1	20.8
60°-70°	12872.1	23.2
70°-80°	8722.1	15.7
80°-90°	1433.6	2.6
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°	55508.0	100.0
0°-180°	55508.0	100.0

Coefficient of Utilization

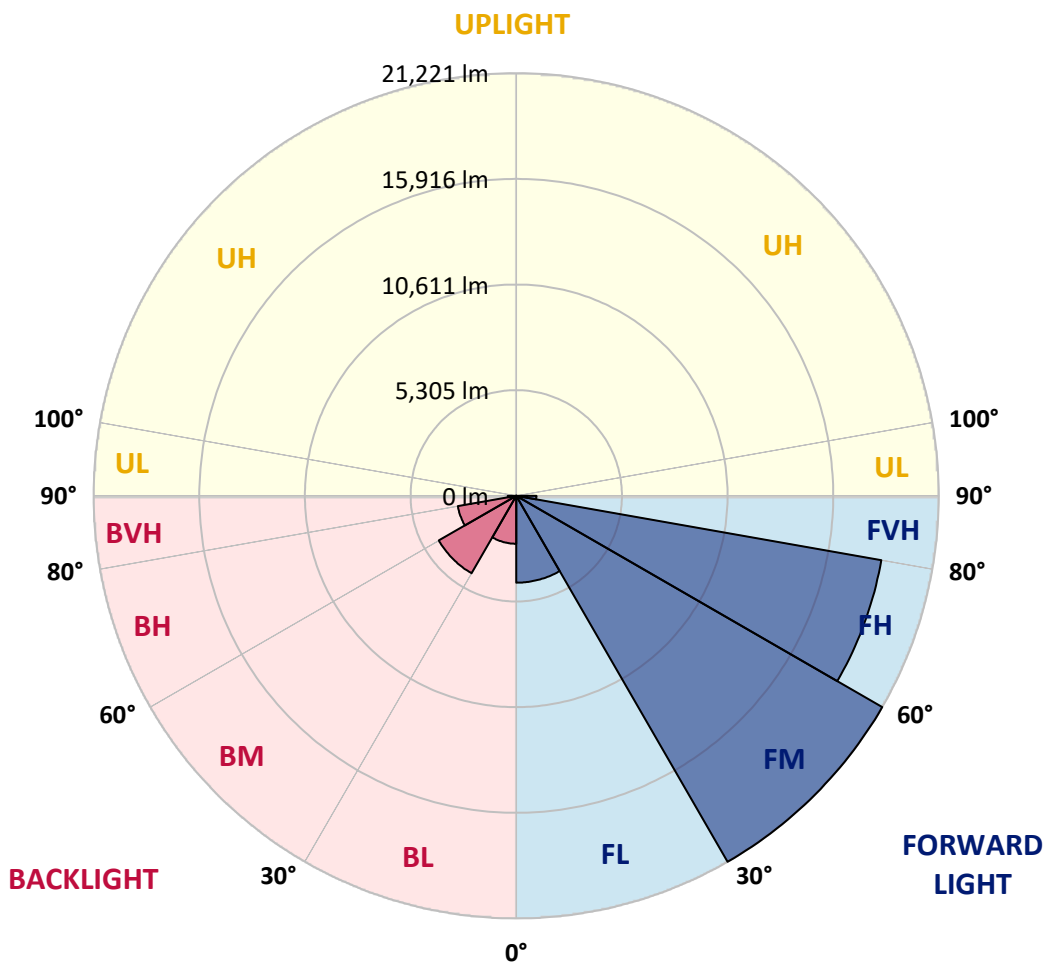


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4363.3	7.9			
FM (30°-60°)	21221.4	38.2			
FH (60°-80°)	18615.0	33.5			G5
FVH (80°-90°)	1011.2	1.8			G5
BL (0°-30°)	2407.1	4.3	B3/2500		
BM (30°-60°)	4488.6	8.1	B3/5000		
BH (60°-80°)	2979.1	5.4	B4/5000		G4/5000
BVH (80°-90°)	422.4	0.8			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	6828.9	6828.9	6828.9	6828.9	6828.9	6828.9	6828.9	6828.9	6828.9	6828.9	6828.9
2.5°	7543.7	7532.3	7492.1	7492.1	7415.7	7350.7	7228.4	7146.2	7048.7	7014.3	6899.6
5°	8273.8	8277.7	8228.0	8193.6	8080.8	7943.2	7734.9	7545.7	7356.4	7280.0	7044.9
7.5°	8887.4	8879.7	8866.3	8837.7	8732.5	8591.1	8310.2	8029.2	7750.2	7635.5	7230.3
10°	9281.1	9298.3	9309.7	9323.1	9279.2	9177.9	8912.2	8570.1	8205.0	8048.3	7452.0
12.5°	9479.8	9510.4	9563.9	9655.7	9728.3	9716.8	9523.8	9160.7	8726.8	8530.0	7729.1
15°	9596.4	9636.6	9720.7	9885.0	10089.5	10206.1	10154.5	9825.8	9342.2	9099.5	8067.4
17.5°	9669.1	9701.6	9831.5	10051.3	10355.2	10664.8	10800.5	10525.3	10037.9	9760.8	8455.4
20°	9718.8	9743.6	9906.1	10164.1	10557.8	11050.9	11429.3	11360.5	10804.4	10445.0	8860.6
22.5°	9829.6	9850.6	10005.4	10265.4	10701.1	11337.6	12035.2	12138.4	11612.8	11205.7	9294.5
25°	10139.2	10139.2	10269.2	10450.8	10859.8	11586.1	12547.4	13004.2	12438.5	11964.5	9695.8
27.5°	10729.8	10724.1	10771.9	10834.9	11144.6	11838.3	13004.2	13768.7	13294.7	12776.8	10085.7
30°	11429.3	11467.6	11473.3	11442.7	11588.0	12153.7	13426.6	14575.3	14156.7	13598.6	10485.2
32.5°	12329.5	12354.4	12325.7	12224.4	12203.4	12600.9	13841.3	15420.0	15089.4	14456.8	10850.2
35°	13472.5	13424.7	13334.9	13128.4	12931.6	13199.2	14315.3	16264.8	16136.8	15494.6	11352.9
37.5°	14697.6	14699.5	14588.6	14120.4	13849.0	13963.7	14969.0	17222.4	17403.9	16729.3	11997.0
40°	15680.0	15731.6	15800.4	15185.0	14833.3	14991.9	15800.4	18332.8	18902.4	18193.3	12836.0
42.5°	16366.1	16425.4	16620.3	16234.2	15869.2	16163.5	16779.0	19517.8	20584.3	19882.8	13818.4
45°	17092.4	17124.9	17262.5	17096.2	16863.0	17526.3	17881.7	20744.8	22363.7	21683.2	14917.4
47.5°	17856.9	17891.3	18032.7	17921.9	17799.6	18799.2	19032.3	21901.1	24068.5	23661.4	16090.9
50°	18801.1	18824.0	18957.8	18757.1	18795.3	19758.6	20060.6	22961.9	25855.5	25438.9	17268.2
52.5°	20089.3	20095.0	20280.4	20098.8	19919.2	20461.9	20945.5	23961.5	27256.5	27059.6	18445.6
55°	21098.4	21159.6	21767.3	21729.1	21625.9	21100.3	21685.2	24913.3	28506.4	28600.1	19695.5
57.5°	20454.3	20693.2	21924.1	22791.8	23636.6	22688.6	22684.7	25985.5	29668.5	30111.9	21069.7
60°	17914.2	18239.2	20052.9	21977.6	24620.9	25452.2	24760.4	27294.7	30842.0	31610.3	22791.8
62.5°	12794.0	13329.1	15787.0	18860.3	23271.5	27283.2	28984.3	29372.2	32437.9	33345.8	25029.9
65°	6467.7	6872.9	8933.2	12635.3	18592.7	26086.8	33575.1	33921.0	35211.1	36017.7	28475.9
67.5°	3929.6	4082.5	5087.8	7027.7	11398.8	20320.5	35073.5	41503.0	40578.0	41006.1	33389.7
70°	2895.6	3008.3	3635.2	4667.3	6555.6	11924.4	30475.0	46913.8	46306.0	46258.2	37021.1
72°	2255.3	2337.5	2891.7	3770.9	4793.4	7153.8	22088.4	44916.5	47945.9	47705.1	36688.5
72.5°	2138.7	2211.3	2715.9	3549.2	4529.7	6484.9	19859.9	43569.1	47827.4	47718.4	36258.5
75°	1683.8	1735.4	2010.6	2744.6	3545.4	3679.2	10882.7	33764.3	42428.1	44192.2	32611.8
77.5°	1393.3	1401.0	1546.2	1997.3	2763.7	2601.2	5345.8	23426.3	30381.4	32321.3	23101.4
80°	1135.3	1144.8	1213.7	1401.0	2090.9	1924.6	2538.2	13470.6	17010.2	17031.2	10985.9
82.5°	904.0	905.9	982.4	1024.4	1502.3	1376.1	1454.5	6324.4	7432.9	7150.0	3948.7
85°	636.4	623.1	959.5	841.0	982.4	883.0	802.7	2503.8	3073.3	2939.5	1236.6
87.5°	212.1	219.8	426.2	544.7	573.4	500.8	357.4	959.5	1160.1	1150.6	391.8
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°	6828.9	6828.9	6828.9	6828.9	6828.9	6828.9	6828.9	6828.9	6828.9	6828.9	6828.9
2.5°	6863.3	6802.2	6712.3	6613.0	6534.6	6454.3	6395.1	6364.5	6330.1	6301.4	6335.8
5°	6936.0	6821.3	6630.2	6442.9	6305.2	6182.9	6095.0	6049.1	6007.1	5978.4	5982.2
7.5°	7054.5	6869.1	6548.0	6274.7	6083.5	5951.7	5861.8	5831.3	5804.5	5796.9	5806.4
10°	7180.6	6907.3	6439.0	6075.9	5858.0	5749.1	5708.9	5730.0	5749.1	5766.3	5785.4
12.5°	7323.9	6941.7	6280.4	5842.7	5657.3	5615.3	5655.4	5747.2	5814.1	5854.2	5879.0
15°	7511.3	6972.3	6096.9	5609.5	5485.3	5533.1	5668.8	5827.4	5944.0	6018.6	6030.0
17.5°	7683.3	6970.4	5861.8	5374.5	5345.8	5485.3	5689.8	5913.4	6070.2	6175.3	6196.3
20°	7861.0	6918.8	5588.5	5145.1	5204.4	5433.7	5699.4	5968.9	6158.1	6280.4	6309.1
22.5°	8027.3	6828.9	5288.5	4936.8	5085.9	5364.9	5663.1	5936.4	6125.6	6225.0	6255.6
25°	8140.1	6672.2	4984.6	4760.9	4980.7	5280.8	5544.6	5764.4	5905.8	5955.5	5963.1
27.5°	8197.4	6467.7	4697.9	4608.0	4871.8	5143.2	5324.8	5433.7	5473.8	5470.0	5462.4
30°	8205.0	6198.2	4451.3	4483.8	4745.7	4940.6	5026.6	5005.6	4954.0	4866.1	4873.7
32.5°	8180.2	5894.3	4244.9	4365.3	4585.1	4694.1	4697.9	4596.6	4459.0	4319.4	4281.2
35°	8187.8	5596.2	4063.3	4231.5	4390.2	4437.9	4394.0	4244.9	4057.6	3877.9	3839.7
37.5°	8271.9	5336.2	3906.6	4076.7	4174.2	4185.7	4122.6	3965.9	3828.3	3652.4	3637.1
40°	8472.6	5150.8	3757.5	3902.8	3958.2	3964.0	3874.1	3763.3	3774.7	3681.1	3679.2
42.5°	8833.8	5070.6	3625.7	3721.2	3755.6	3767.1	3698.3	3627.6	3727.0	3665.8	3644.8
45°	9300.2	5089.7	3514.8	3543.5	3606.5	3660.1	3618.0	3532.0	3570.2	3304.6	3216.7
47.5°	9839.2	5212.0	3426.9	3390.6	3499.5	3600.8	3535.8	3405.9	3270.2	3006.4	2956.7
50°	10469.9	5401.2	3346.6	3239.6	3382.9	3520.5	3455.6	3270.2	3065.7	2937.6	2920.4
52.5°	11127.4	5632.5	3266.3	3073.3	3235.8	3459.4	3426.9	3239.6	2987.3	2861.2	2838.2
55°	11872.7	5865.7	3165.0	2880.3	3077.1	3430.7	3413.5	3128.7	2928.1	2857.3	2840.1
57.5°	12799.7	6131.3	3031.3	2679.6	2928.1	3327.5	3274.0	3061.8	2866.9	2813.4	2807.6
60°	14007.6	6523.1	2838.2	2465.5	2746.5	3168.9	3157.4	2964.4	2769.4	2731.2	2723.5
62.5°	15819.5	7171.0	2572.6	2251.5	2543.9	2899.4	3004.5	2832.5	2666.2	2664.3	2668.1
65°	18629.1	8145.8	2284.0	2064.2	2339.4	2671.9	2826.8	2696.8	2561.1	2599.3	2605.0
67.5°	21885.8	8954.3	2001.1	1880.7	2131.1	2456.0	2666.2	2561.1	2421.6	2521.0	2522.9
70°	22969.5	8231.8	1752.6	1699.1	1915.1	2247.6	2492.3	2412.0	2270.6	2370.0	2360.4
72°	21375.5	6645.5	1592.1	1561.5	1752.6	2075.6	2337.5	2272.5	2133.0	2199.9	2175.0
72.5°	20872.9	6335.8	1551.9	1527.1	1708.7	2031.7	2297.3	2238.1	2098.6	2155.9	2133.0
75°	18619.5	5502.5	1334.1	1339.8	1490.8	1817.6	2071.8	2052.7	1909.3	1915.1	1907.4
77.5°	13505.0	4034.7	1123.8	1162.0	1269.1	1597.8	1844.4	1832.9	1676.2	1647.5	1641.8
80°	6267.0	2058.4	915.5	932.7	1043.5	1336.0	1573.0	1557.7	1431.5	1395.2	1374.2
82.5°	2146.3	978.6	688.1	699.5	808.5	1076.0	1364.6	1355.1	1250.0	1179.2	1135.3
85°	766.4	487.4	481.6	470.2	577.2	846.7	1188.8	1137.2	982.4	837.1	833.3
87.5°	248.5	208.3	248.5	246.6	336.4	573.4	863.9	735.8	712.9	592.5	581.0
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)