

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: P532324

Luminaire Tested: **GLAN-SA7C-830-U-T2R-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532324
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-10)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA7C-830-U-T2R-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34194 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

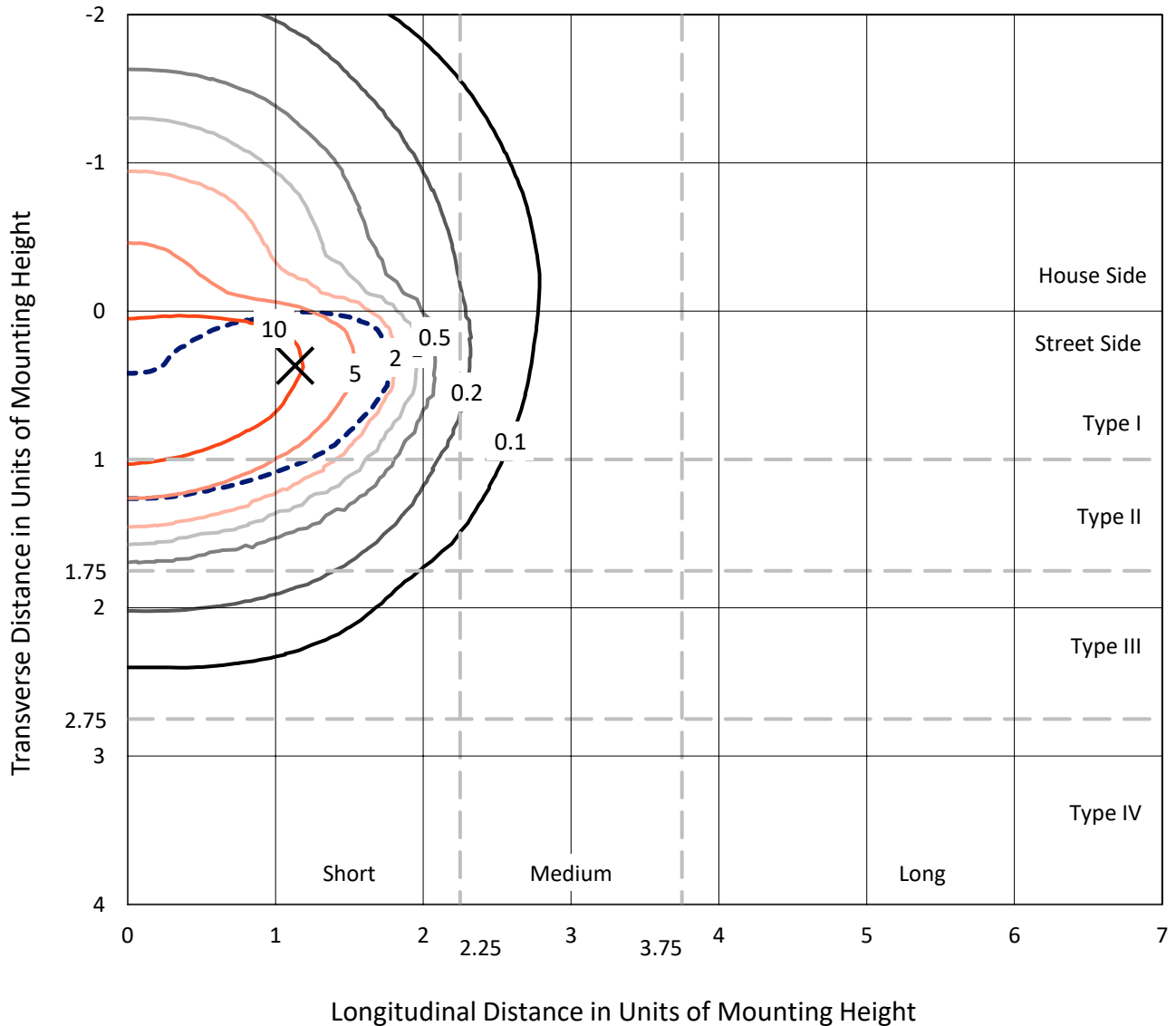
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

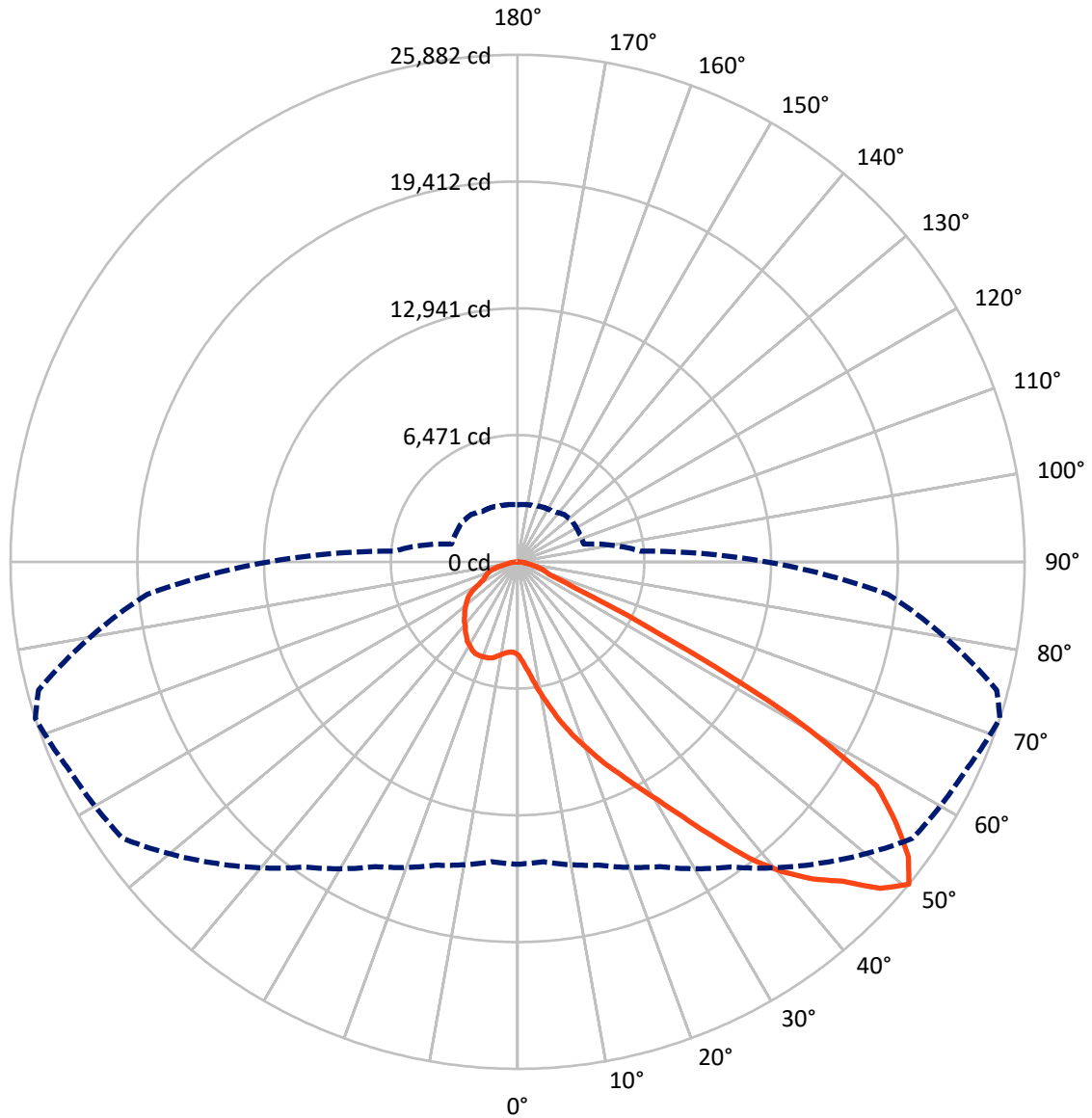
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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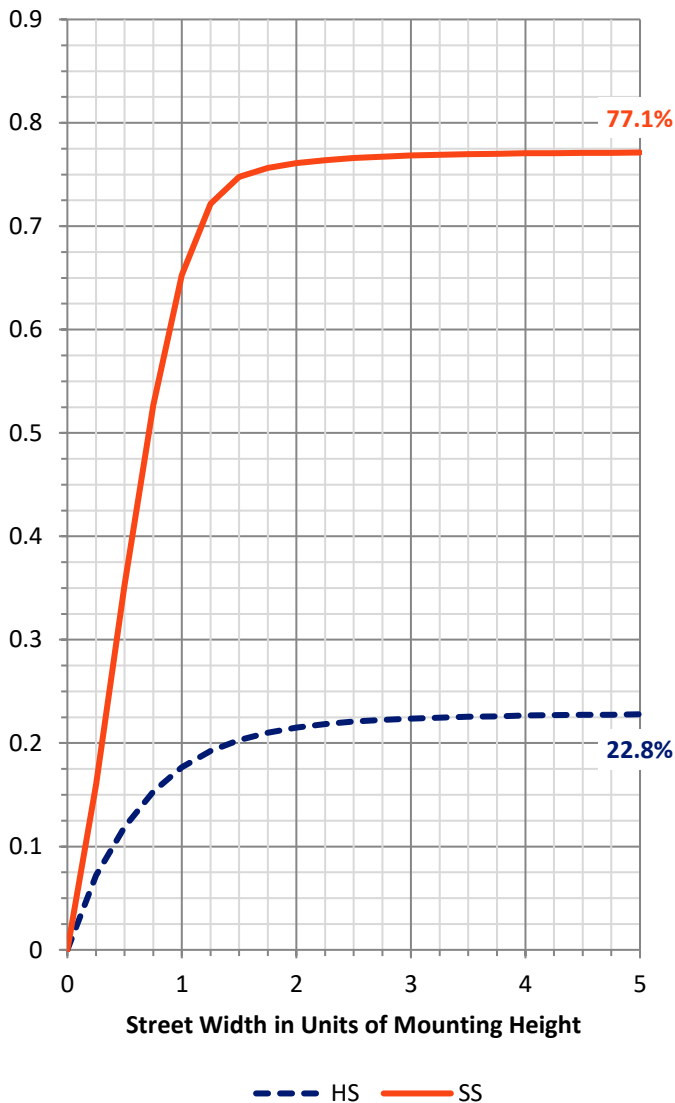
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7834.0	0.0	7834.0
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	26360.0	0.0	26360.0
	% Fixture	77.1	0.0	77.1
Total	Lumens	34194.0	0.0	34194.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	559.9	1.6
10°-20°	2093.1	6.1
20°-30°	4058.4	11.9
30°-40°	6723.4	19.7
40°-50°	9407.5	27.5
50°-60°	7936.4	23.2
60°-70°	2419.0	7.1
70°-80°	848.7	2.5
80°-90°	147.5	0.4
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°	34194.0	100.0
0°-180°	34194.0	100.0

Coefficient of Utilization

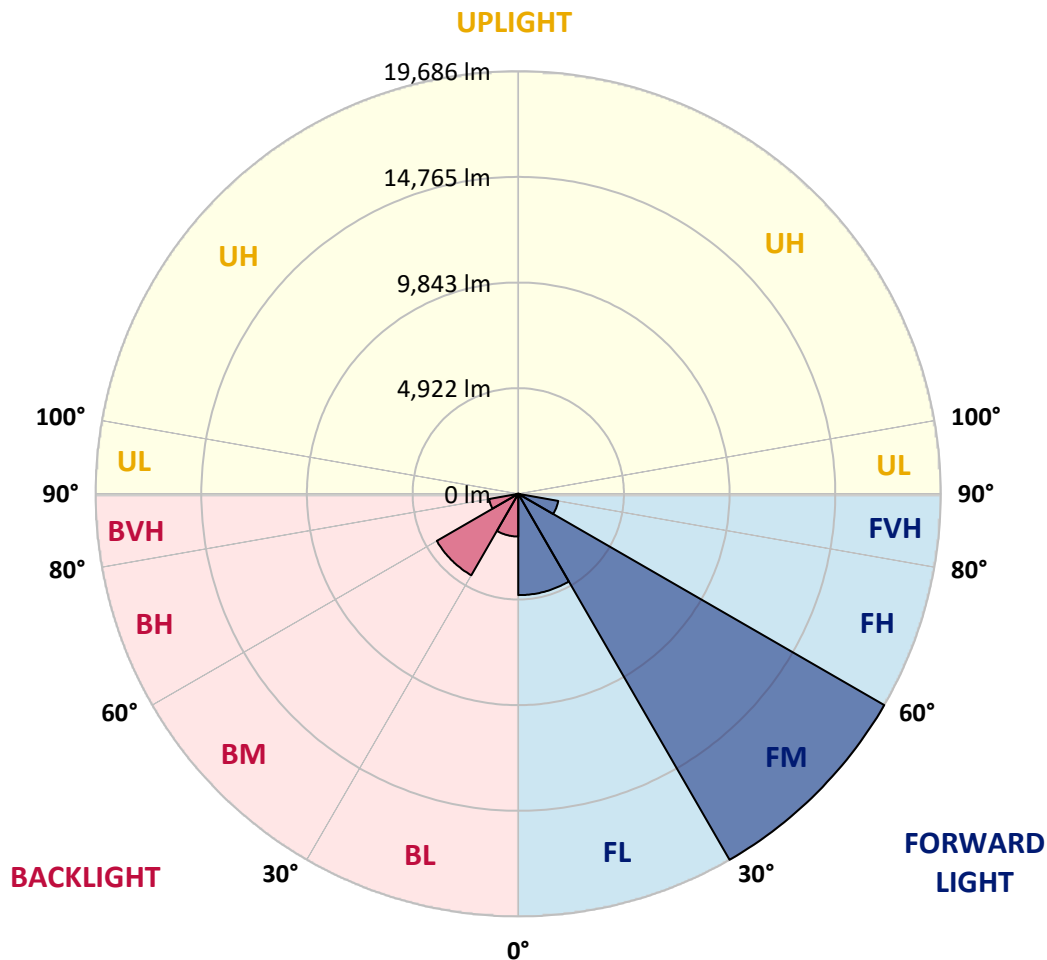


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4720.0	13.8			
FM (30°-60°)	19686.4	57.6			
FH (60°-80°)	1887.5	5.5			G2/5000
FVH (80°-90°)	66.1	0.2			G1/100
BL (0°-30°)	1991.4	5.8	B3/2500		
BM (30°-60°)	4380.9	12.8	B3/5000		
BH (60°-80°)	1380.2	4.0	B3/2500		G3/2500
BVH (80°-90°)	81.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	4760.1	4760.1	4760.1	4760.1	4760.1	4760.1	4760.1	4760.1	4760.1	4760.1	4760.1
2.5°	6122.5	6084.5	5970.2	5932.1	5796.7	5551.3	5466.7	5217.1	5111.3	5014.0	4899.7
5°	7743.1	7565.4	7552.7	7336.9	7023.8	6841.8	6300.3	5936.4	5602.1	5432.9	5119.7
7.5°	8775.5	8779.7	8779.7	8602.0	8352.4	7891.2	7404.6	6748.8	6245.2	5995.6	5462.5
10°	9757.1	9672.5	9626.0	9609.0	9439.8	8991.3	8470.9	7658.5	6968.8	6676.8	5720.6
12.5°	10451.1	10379.1	10484.9	10429.9	10307.2	10015.2	9524.4	8597.8	7734.6	7341.1	6135.2
15°	10781.1	10831.9	10916.5	11068.8	11013.8	10903.8	10362.2	9562.5	8559.7	8115.4	6503.3
17.5°	11288.8	11149.2	11250.8	11441.2	11593.5	11542.7	11233.8	10260.7	9376.3	8830.5	6998.4
20°	11644.3	11563.9	11614.6	11834.7	11948.9	12236.6	12075.8	11174.6	10159.1	9583.7	7582.3
22.5°	12659.7	12541.3	12376.3	12410.1	12452.4	12655.5	12693.6	12177.4	11068.8	10459.5	8136.6
25°	13912.2	13802.2	13607.5	13408.7	13286.0	13247.9	13379.0	12964.4	11940.4	11310.0	8733.2
27.5°	15291.5	15105.4	14982.7	14572.2	14242.2	14191.4	14128.0	13903.7	12972.8	12291.6	9406.0
30°	16632.8	16484.7	16319.7	15663.9	15321.2	15266.2	14953.0	15016.5	14094.1	13336.7	10167.6
32.5°	17648.3	17661.0	17284.4	16789.4	16467.8	16175.9	16061.6	16243.6	15532.7	14923.4	11018.0
35°	18469.2	18507.3	18147.6	17699.1	17352.1	17555.2	17504.5	17589.1	17250.6	16505.9	12008.1
37.5°	19268.9	19078.5	18693.4	18477.6	18295.7	18630.0	19061.5	19133.5	19196.9	18321.1	13159.0
40°	19400.0	19417.0	19192.7	19345.0	19116.5	19620.1	20622.9	20529.8	20787.9	20022.0	14407.2
42.5°	19213.9	19251.9	19340.8	19556.6	20106.6	20711.7	22201.1	21820.3	22133.4	21452.2	15621.6
45°	18909.2	18752.7	18862.7	19683.5	20635.5	21981.1	23643.9	23347.7	23246.2	22675.0	17068.6
47.5°	17453.7	17614.5	17957.2	18968.5	20398.6	22201.1	24667.9	24600.2	24904.8	24502.9	18384.6
50°	15435.4	15371.9	16032.0	17170.2	19015.0	21769.5	24612.9	25226.4	25882.2	25323.7	18972.7
52.5°	11559.6	11898.1	12465.1	13878.3	16510.1	19417.0	23411.2	24435.2	24968.3	24849.8	18498.8
55°	7307.3	7408.8	7751.6	9431.3	11800.8	15583.5	20068.6	22442.3	23394.3	23838.6	18063.0
57.5°	3550.0	3359.6	3778.5	5128.2	6816.5	10480.7	15477.7	19548.1	21617.2	22421.1	17115.2
60°	1853.3	1925.2	2090.2	2572.6	3524.6	5441.3	9647.1	13027.9	16188.6	17424.1	12972.8
62.5°	1535.9	1561.3	1671.3	1912.5	2344.1	3131.1	4925.1	6351.0	8255.1	9367.9	7379.2
65°	1303.2	1315.9	1434.4	1595.2	1870.2	2204.5	2534.5	2653.0	3211.5	3296.1	2623.3
67.5°	1087.4	1100.1	1227.0	1379.4	1557.1	1645.9	1730.6	1722.1	1785.6	1760.2	1755.9
70°	837.8	850.5	981.6	1142.4	1231.3	1180.5	1442.8	1502.1	1527.5	1548.6	1582.5
72.5°	605.1	630.4	732.0	846.2	799.7	918.2	1189.0	1277.8	1311.7	1324.4	1366.7
75°	440.0	448.5	473.9	440.0	507.7	638.9	837.8	947.8	990.1	1002.8	1066.3
77.5°	194.6	198.9	203.1	253.9	325.8	397.7	499.3	588.1	647.4	664.3	681.2
80°	101.5	105.8	131.2	173.5	232.7	292.0	363.9	414.7	452.7	457.0	473.9
82.5°	63.5	67.7	93.1	122.7	165.0	215.8	266.6	308.9	338.5	342.7	347.0
85°	29.6	38.1	55.0	76.2	110.0	139.6	143.9	122.7	131.2	135.4	126.9
87.5°	8.5	12.7	16.9	12.7	16.9	16.9	21.2	25.4	25.4	25.4	29.6
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°	4760.1	4760.1	4760.1	4760.1	4760.1	4760.1	4760.1	4760.1	4760.1	4760.1	4760.1
2.5°	4836.3	4798.2	4650.1	4595.1	4451.2	4476.6	4400.4	4396.2	4379.3	4375.1	4370.8
5°	4954.7	4836.3	4658.5	4523.1	4442.8	4434.3	4379.3	4379.3	4396.2	4408.9	4379.3
7.5°	5149.4	5014.0	4713.6	4586.6	4514.7	4502.0	4463.9	4434.3	4472.4	4459.7	4425.8
10°	5373.6	5136.7	4819.3	4709.3	4590.8	4561.2	4561.2	4573.9	4510.5	4531.6	4497.8
12.5°	5623.3	5305.9	4954.7	4827.8	4688.2	4671.2	4662.8	4569.7	4603.5	4586.6	4502.0
15°	5940.6	5500.6	5128.2	4912.4	4793.9	4717.8	4607.8	4590.8	4569.7	4527.4	4489.3
17.5°	6283.3	5712.1	5208.6	4937.8	4760.1	4705.1	4620.5	4531.6	4468.1	4476.6	4447.0
20°	6575.3	5906.8	5238.2	4963.2	4734.7	4628.9	4497.8	4442.8	4375.1	4370.8	4366.6
22.5°	6922.2	6169.1	5280.5	4895.5	4658.5	4548.5	4459.7	4362.4	4315.8	4256.6	4286.2
25°	7336.9	6270.6	5289.0	4857.4	4603.5	4408.9	4362.4	4256.6	4239.7	4155.0	4172.0
27.5°	7637.3	6325.6	5221.3	4738.9	4476.6	4328.5	4243.9	4167.7	4138.1	4074.6	4057.7
30°	8039.3	6410.3	5077.4	4590.8	4349.7	4184.7	4133.9	4117.0	4032.3	3964.6	3956.2
32.5°	8496.2	6465.3	4984.3	4438.5	4218.5	4091.6	4117.0	4036.6	3930.8	3871.5	3854.6
35°	8860.1	6486.4	4751.6	4265.0	4129.6	4049.3	4019.6	4002.7	3850.4	3795.4	3753.1
37.5°	9414.4	6439.9	4557.0	4142.3	4032.3	4002.7	3977.3	3863.1	3689.6	3609.2	3550.0
40°	10061.8	6427.2	4307.4	3968.9	3939.2	3973.1	3896.9	3719.2	3478.0	3389.2	3346.9
42.5°	10683.8	6516.0	4150.8	3875.8	3837.7	3850.4	3744.6	3478.0	3359.6	3308.8	3241.1
45°	11724.6	6702.2	3892.7	3731.9	3715.0	3706.5	3579.6	3300.3	3232.6	3169.2	3156.5
47.5°	12664.0	6579.5	3727.7	3583.8	3600.7	3554.2	3283.4	3194.6	3118.4	3054.9	3033.8
50°	12719.0	6287.6	3495.0	3469.6	3473.8	3393.4	3135.3	3076.1	2978.8	2936.5	2906.8
52.5°	12431.3	5809.4	3279.2	3287.6	3300.3	3169.2	2953.4	2911.1	2830.7	2771.4	2754.5
55°	11623.1	5064.7	3067.6	3101.5	3135.3	2885.7	2818.0	2712.2	2648.7	2564.1	2568.3
57.5°	10239.5	4078.9	2771.4	2826.4	2898.4	2623.3	2572.6	2441.4	2348.3	2280.6	2272.2
60°	6863.0	2902.6	2327.2	2348.3	2509.1	2399.1	2394.9	2263.7	2136.8	2077.5	2043.7
62.5°	4049.3	2217.1	2009.8	1988.7	1984.4	2047.9	2153.7	2107.1	1942.1	1827.9	1861.7
65°	2119.8	1916.7	1870.2	1798.3	1755.9	1739.0	1819.4	1840.6	1730.6	1607.9	1599.4
67.5°	1781.3	1781.3	1743.3	1717.9	1658.6	1586.7	1535.9	1468.2	1451.3	1417.5	1375.1
70°	1620.5	1662.9	1650.2	1590.9	1540.2	1459.8	1328.6	1218.6	1112.8	1074.7	1100.1
72.5°	1413.2	1455.5	1455.5	1425.9	1358.2	1235.5	1108.6	981.6	892.8	825.1	816.6
75°	1087.4	1108.6	1159.3	1125.5	1036.6	960.5	829.3	698.1	613.5	550.1	537.4
77.5°	693.9	727.8	727.8	723.5	660.1	588.1	503.5	410.4	347.0	300.4	287.7
80°	461.2	482.4	499.3	482.4	440.0	385.0	321.6	258.1	211.6	173.5	165.0
82.5°	338.5	363.9	376.6	359.7	317.3	275.0	228.5	181.9	135.4	105.8	97.3
85°	131.2	135.4	152.3	181.9	177.7	173.5	139.6	101.5	76.2	55.0	50.8
87.5°	33.8	29.6	33.8	33.8	29.6	25.4	25.4	25.4	25.4	12.7	16.9
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)