

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: P321247

Luminaire Tested: **GAN-SA3C-730-U-T2R-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P321247
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3C-730-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15874 lumens
Efficiency: N/A
Efficacy: 95.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

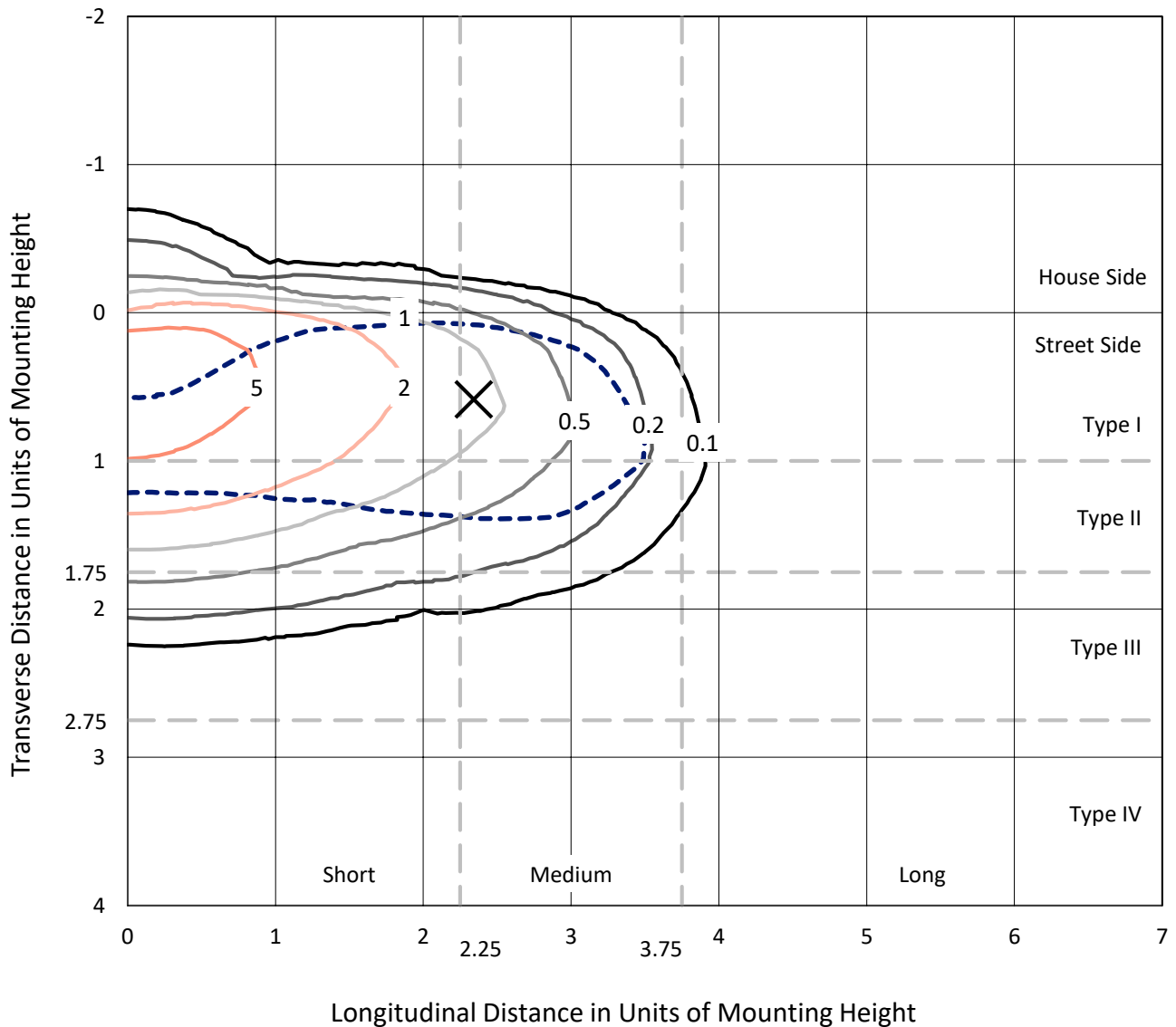
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P321247
 CATALOG NUMBER: GAN-SA3C-730-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

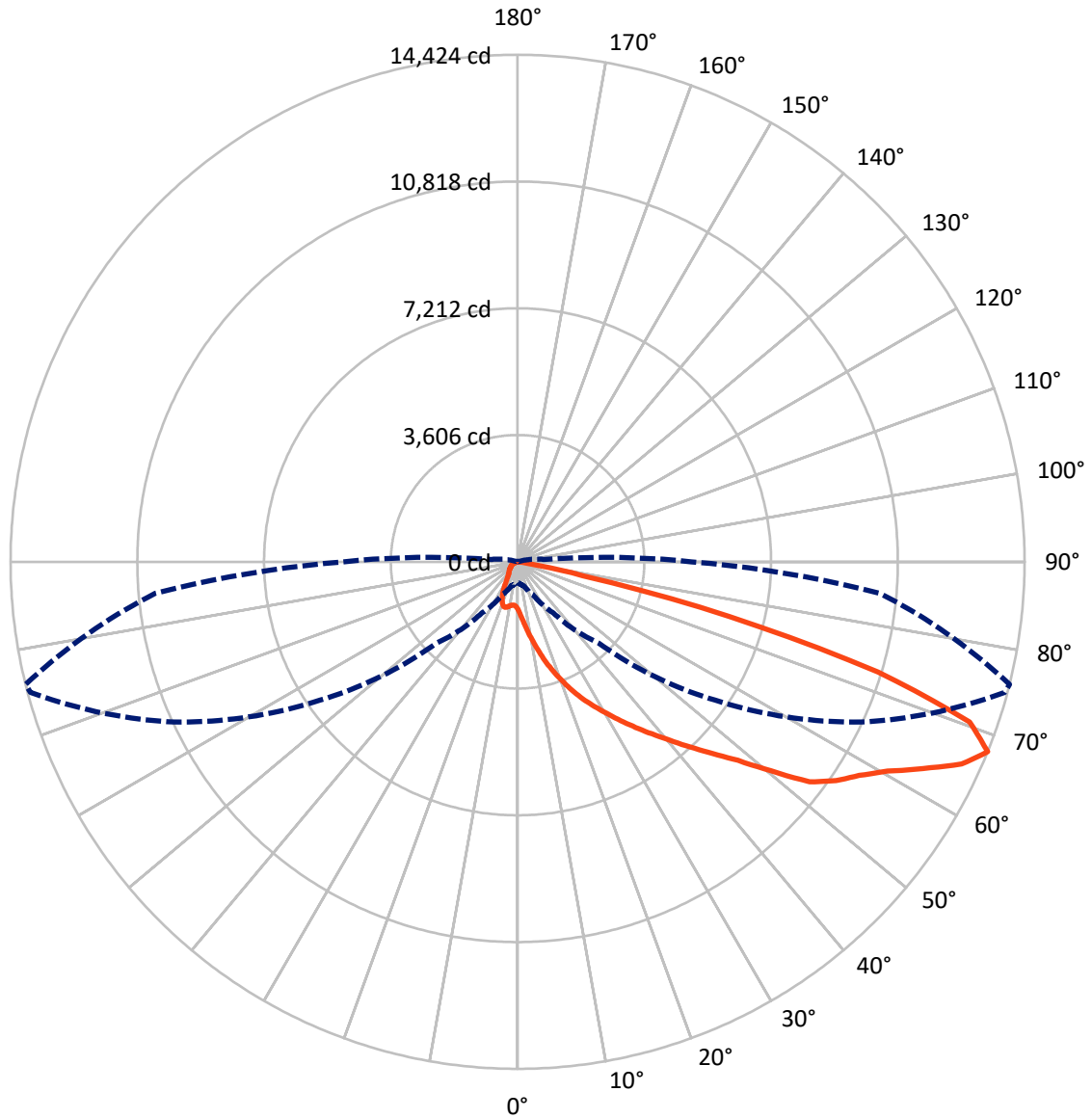
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
 Type II - Medium - N/A

REPORT NUMBER: P321247
CATALOG NUMBER: GAN-SA3C-730-U-T2R-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P321247
 CATALOG NUMBER: GAN-SA3C-730-U-T2R-HSS

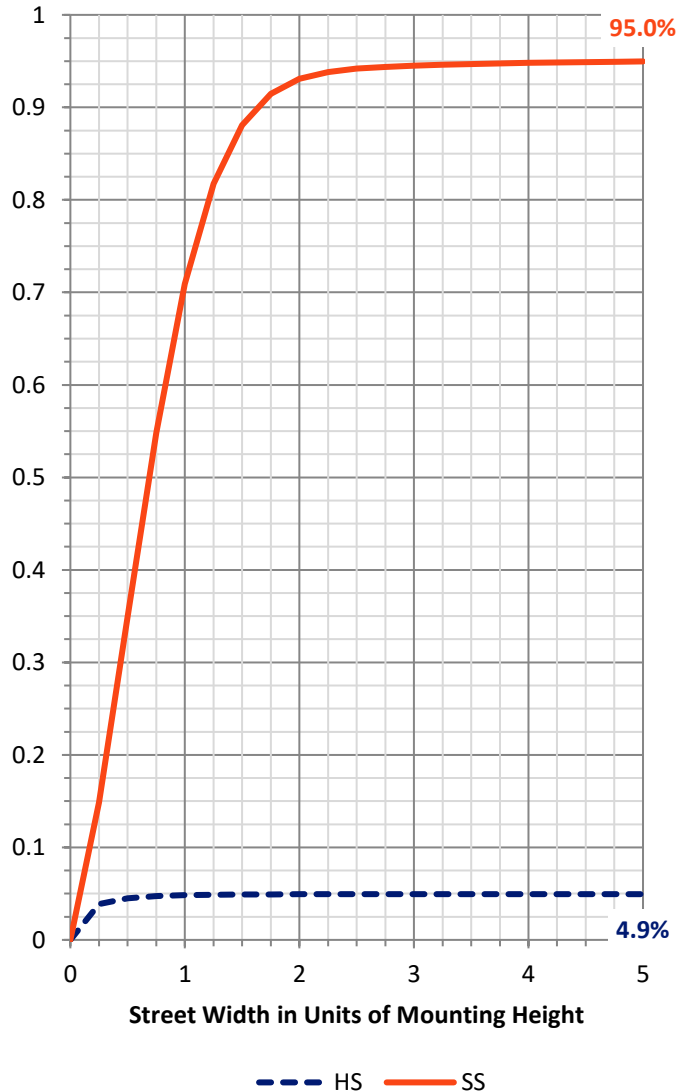
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	788.3	0.0	788.3
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	15085.7	0.0	15085.7
	% Fixture	95.0	0.0	95.0
Total	Lumens	15874.0	0.0	15874.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.4	1.1
10°-20°	663.8	4.2
20°-30°	1350.6	8.5
30°-40°	2344.1	14.8
40°-50°	3312.0	20.9
50°-60°	3755.9	23.7
60°-70°	3115.2	19.6
70°-80°	1128.4	7.1
80°-90°	36.6	0.2
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°	15874.0	100.0
0°-180°	15874.0	100.0

Coefficient of Utilization

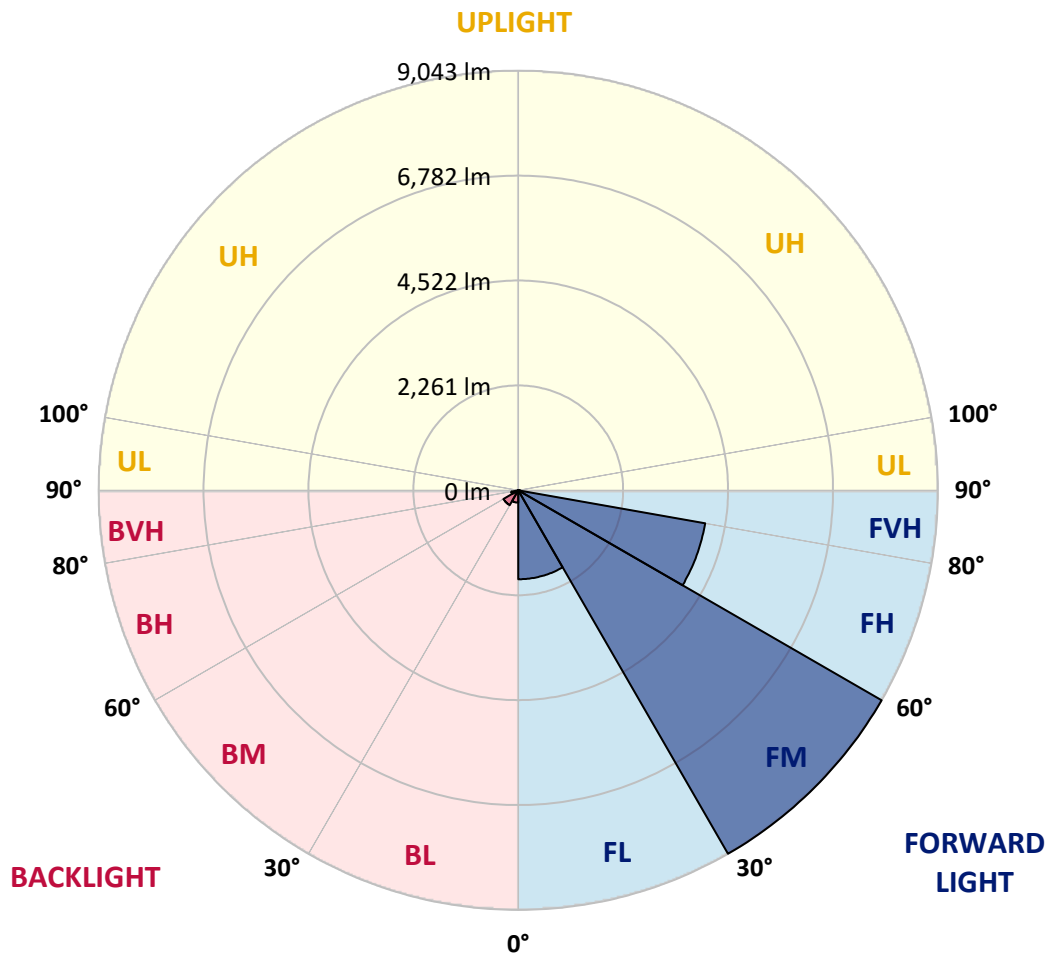


REPORT NUMBER: P321247
 CATALOG NUMBER: GAN-SA3C-730-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1915.9	12.1			
FM (30°-60°)	9043.1	57.0			
FH (60°-80°)	4091.3	25.8			G2/5000
FVH (80°-90°)	35.4	0.2			G1/100
BL (0°-30°)	265.8	1.7	B1/500		
BM (30°-60°)	368.9	2.3	B1/1000		
BH (60°-80°)	152.3	1.0	B1/500		G1/500
BVH (80°-90°)	1.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type II Medium





REPORT NUMBER: P321247

CATALOG NUMBER: GAN-SA3C-730-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1346.6	1346.6	1346.6	1346.6	1346.6	1346.6	1346.6	1346.6	1346.6	1346.6	1346.6
2.5°	2010.1	1964.9	1975.3	1946.1	1893.3	1784.8	1692.3	1604.6	1502.4	1498.9	1414.7
5°	2710.5	2672.3	2667.4	2608.3	2512.3	2328.0	2148.5	1944.0	1715.9	1699.2	1520.5
7.5°	3346.3	3315.7	3304.5	3234.3	3055.5	2876.1	2642.4	2341.9	1985.1	1954.5	1663.0
10°	3834.5	3819.9	3822.7	3772.6	3619.6	3452.7	3145.9	2762.7	2290.4	2243.1	1834.2
12.5°	4204.6	4208.0	4233.1	4202.5	4116.9	3993.1	3665.5	3211.3	2628.5	2563.8	2029.6
15°	4476.5	4493.9	4539.8	4578.1	4571.8	4464.7	4164.2	3666.9	2987.4	2915.7	2247.3
17.5°	4652.5	4672.0	4738.7	4823.6	4901.5	4876.5	4645.5	4106.5	3350.4	3267.7	2480.3
20°	4806.9	4829.9	4901.5	5013.5	5158.9	5190.2	5038.5	4532.9	3712.8	3612.0	2721.0
22.5°	5141.5	5140.8	5184.6	5250.0	5388.4	5469.1	5373.1	4928.6	4071.0	3966.0	2966.5
25°	5746.6	5723.6	5708.3	5656.9	5687.5	5737.5	5684.0	5298.7	4431.3	4324.9	3215.5
27.5°	6465.8	6479.7	6355.9	6217.5	6110.4	6058.9	5971.3	5641.6	4777.7	4660.8	3458.9
30°	7224.6	7228.8	7082.7	6906.1	6670.3	6474.8	6323.2	5969.2	5133.8	5006.5	3695.4
32.5°	7909.0	7881.9	7737.2	7496.6	7198.9	6979.1	6664.0	6335.0	5510.8	5387.7	3958.3
35°	8451.6	8419.6	8243.6	8024.5	7715.7	7494.5	7115.4	6700.2	5907.3	5786.9	4222.0
37.5°	8848.0	8810.5	8629.6	8404.3	8137.9	8009.2	7639.2	7097.3	6339.9	6210.5	4499.5
40°	8985.7	8953.1	8839.7	8674.8	8460.6	8431.4	8194.9	7554.3	6810.8	6673.1	4813.9
42.5°	8903.7	8871.7	8831.3	8775.7	8686.7	8714.5	8719.4	8075.3	7333.8	7198.2	5160.9
45°	8578.2	8549.6	8591.4	8672.7	8783.3	8921.1	9197.9	8635.2	7918.1	7773.4	5562.3
47.5°	8098.9	8078.1	8193.5	8396.6	8720.0	9099.8	9635.4	9223.6	8574.0	8439.7	6063.1
50°	7417.3	7413.8	7644.7	8015.5	8512.8	9186.1	10087.5	9892.7	9485.1	9344.0	6759.3
52.5°	6355.9	6362.8	6817.0	7410.3	8149.0	9127.6	10378.2	10752.4	10545.2	10398.4	7362.3
55°	5345.3	5387.0	5709.0	6564.6	7591.2	8910.6	10478.4	11153.8	11130.1	10991.0	7697.6
57.5°	4355.5	4431.3	4741.5	5540.7	6776.7	8410.5	10423.4	11327.6	11565.5	11459.1	8140.0
60°	3283.0	3317.7	3675.3	4422.3	5731.3	7498.0	10024.9	11422.2	12160.9	12087.2	8782.0
62.5°	2088.7	2175.7	2492.8	3213.4	4462.6	6230.7	9353.0	11420.8	12905.8	12946.2	9610.3
65°	1100.4	1201.9	1370.2	1991.3	3066.7	4815.3	8342.4	11313.7	13819.8	13876.1	10257.9
67.5°	593.3	622.5	711.5	1033.6	1778.5	3262.1	6857.4	10785.1	14349.1	14423.5	10348.3
70°	434.0	450.0	483.4	571.7	895.2	1894.7	5003.8	9586.7	13666.8	13638.9	9194.4
72.5°	333.2	358.2	383.2	418.7	514.7	1011.3	3115.3	7507.0	10904.8	10721.1	6872.7
75°	262.9	267.1	302.6	334.6	386.0	575.9	1383.4	4372.2	6655.7	6221.0	3564.0
77.5°	210.1	212.8	233.7	261.5	310.2	378.4	428.5	1720.1	2124.9	1896.1	773.4
80°	124.5	131.5	173.9	201.7	257.4	238.6	156.5	373.5	331.8	300.5	130.1
82.5°	69.6	75.1	98.1	159.3	179.5	114.1	77.9	100.9	77.9	75.8	36.9
85°	0.0	3.5	63.3	98.8	73.0	25.0	32.7	33.4	23.0	21.6	14.6
87.5°	0.0	0.0	19.5	18.8	2.8	4.2	7.7	11.1	9.0	9.0	7.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P321247
 CATALOG NUMBER: GAN-SA3C-730-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1346.6	1346.6	1346.6	1346.6	1346.6	1346.6	1346.6	1346.6	1346.6	1346.6	1346.6
2.5°	1373.0	1335.4	1264.5	1194.9	1136.5	1088.5	1045.4	1028.0	1014.1	1012.0	1000.9
5°	1434.2	1358.4	1222.8	1111.5	1037.1	984.2	939.0	911.2	889.6	881.3	873.6
7.5°	1526.7	1412.0	1217.2	1089.2	1000.2	911.2	827.7	737.3	680.9	659.4	646.9
10°	1639.4	1482.9	1238.1	1083.0	927.2	739.4	601.0	486.2	439.6	424.3	420.1
12.5°	1770.9	1571.2	1274.2	1044.0	771.4	525.1	414.5	375.6	365.2	360.3	360.3
15°	1921.8	1667.9	1300.0	931.3	570.3	397.2	358.9	340.8	329.7	323.4	324.1
17.5°	2076.2	1762.5	1287.5	767.9	420.8	353.3	324.8	305.3	290.0	283.8	282.4
20°	2232.0	1850.1	1217.9	571.7	356.1	320.6	288.7	267.1	251.8	245.5	244.1
22.5°	2393.4	1924.6	1095.5	419.4	320.0	284.5	253.2	231.6	217.0	211.4	208.7
25°	2550.6	1985.1	924.4	339.4	285.9	250.4	220.5	200.3	187.1	181.5	180.8
27.5°	2697.3	2023.3	726.1	299.8	256.0	219.8	192.7	174.6	163.5	159.3	158.6
30°	2829.5	2026.8	537.0	270.6	229.5	193.4	168.3	152.3	142.6	138.4	137.0
32.5°	2963.0	1997.6	390.9	244.1	205.2	170.4	146.1	133.5	126.6	123.1	123.1
35°	3088.9	1930.1	304.6	221.2	181.5	148.2	128.7	119.6	115.5	112.0	112.0
37.5°	3212.0	1833.5	258.7	201.0	159.3	129.4	113.4	107.8	104.3	100.9	100.9
40°	3337.2	1711.7	235.1	182.2	141.2	114.8	100.9	96.0	92.5	89.7	89.0
42.5°	3490.9	1571.2	219.8	164.8	125.2	101.5	89.0	83.5	80.7	77.9	76.5
45°	3669.0	1450.2	207.3	147.5	112.0	90.4	77.2	71.6	67.5	64.0	63.3
47.5°	3925.7	1362.6	190.6	128.7	99.5	78.6	66.8	60.5	54.3	50.8	50.1
50°	4253.3	1290.2	169.0	112.0	86.9	66.8	55.6	48.0	42.4	39.0	39.0
52.5°	4416.0	1195.6	149.5	97.4	73.0	56.3	45.2	36.2	33.4	29.9	29.9
55°	4481.4	1123.3	130.1	82.8	60.5	46.6	35.5	27.8	25.7	23.6	23.0
57.5°	4665.0	1102.4	113.4	70.3	50.1	36.9	27.1	20.9	19.5	16.7	16.7
60°	4960.6	1112.9	98.1	59.8	40.3	28.5	20.2	16.0	14.6	11.8	11.8
62.5°	5279.9	1099.7	82.8	51.5	31.3	20.9	13.9	11.8	11.8	7.0	6.3
65°	5341.1	979.3	70.9	42.4	24.3	15.3	9.0	7.7	10.4	1.4	0.0
67.5°	4957.1	759.5	61.2	32.7	18.1	11.8	7.0	3.5	9.0	0.0	0.0
70°	3963.9	482.7	49.4	23.6	13.9	9.7	5.6	1.4	7.0	0.0	0.0
72.5°	2803.0	280.3	39.0	16.7	11.8	7.7	4.2	0.0	4.2	0.0	0.0
75°	1417.5	149.5	24.3	12.5	9.0	5.6	2.8	0.0	0.7	0.0	0.0
77.5°	306.7	69.6	15.3	9.0	6.3	3.5	1.4	0.0	0.0	0.0	0.0
80°	66.8	30.6	9.7	5.6	3.5	2.1	0.0	0.0	0.0	0.0	0.0
82.5°	24.3	16.0	4.9	2.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	13.2	8.3	2.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.0	2.8	0.7	0.7	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)