

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: P323851

Luminaire Tested: **GAN-SA7C-740-U-SL4-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323851
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA7C-740-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40604 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

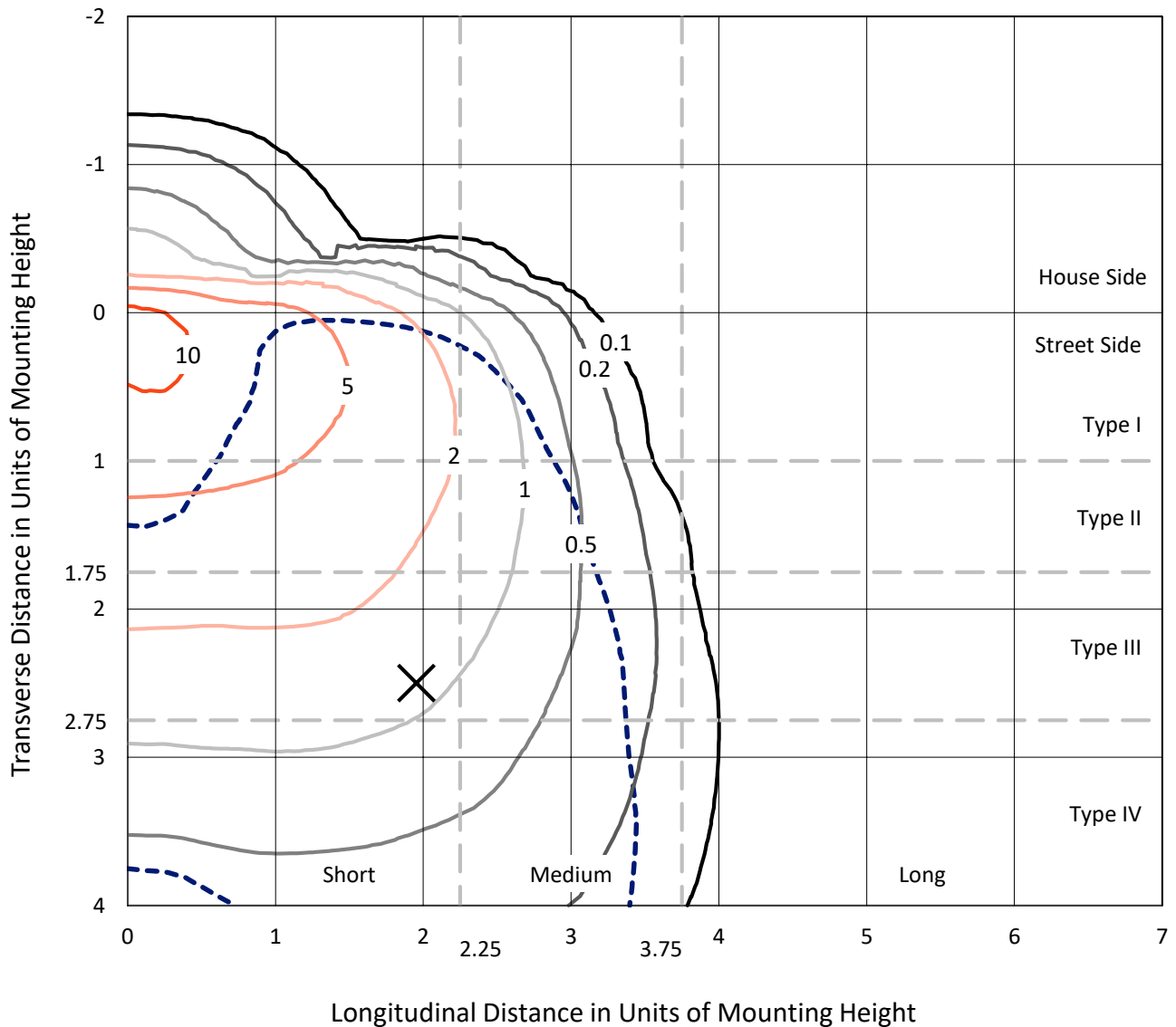
Input Watts (W): 391
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

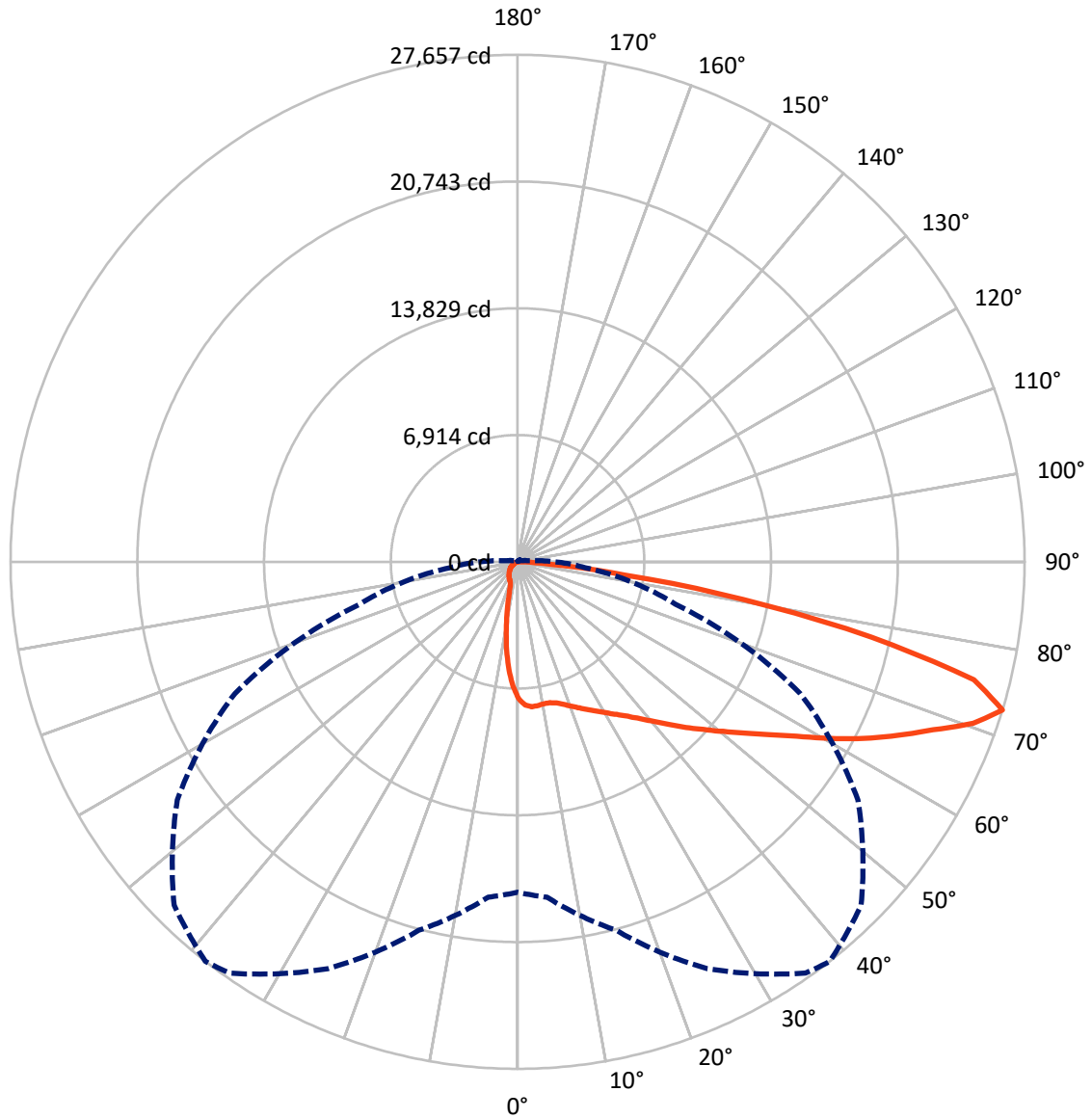
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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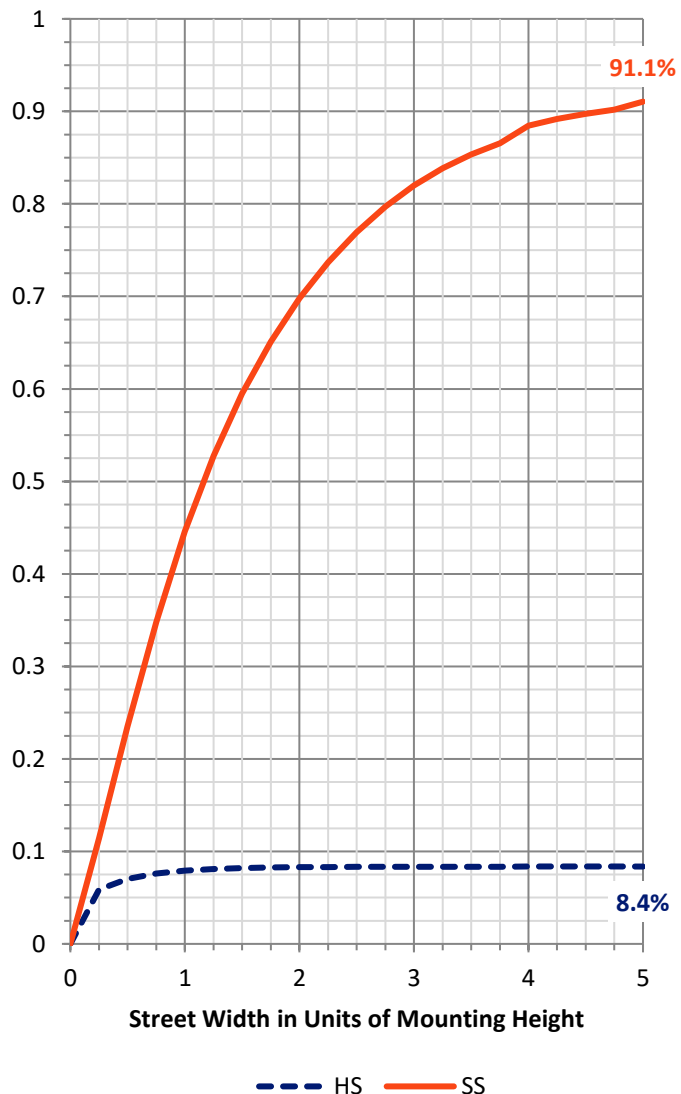
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3417.0	0.0	3417.0
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	37187.0	0.0	37187.0
	% Fixture	91.6	0.0	91.6
Total	Lumens	40604.0	0.0	40604.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	636.3	1.6
10°-20°	1556.0	3.8
20°-30°	2474.7	6.1
30°-40°	3720.5	9.2
40°-50°	5675.9	14.0
50°-60°	8021.9	19.8
60°-70°	10062.1	24.8
70°-80°	7523.7	18.5
80°-90°	932.9	2.3
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°	40604.0	100.0
0°-180°	40604.0	100.0

Coefficient of Utilization

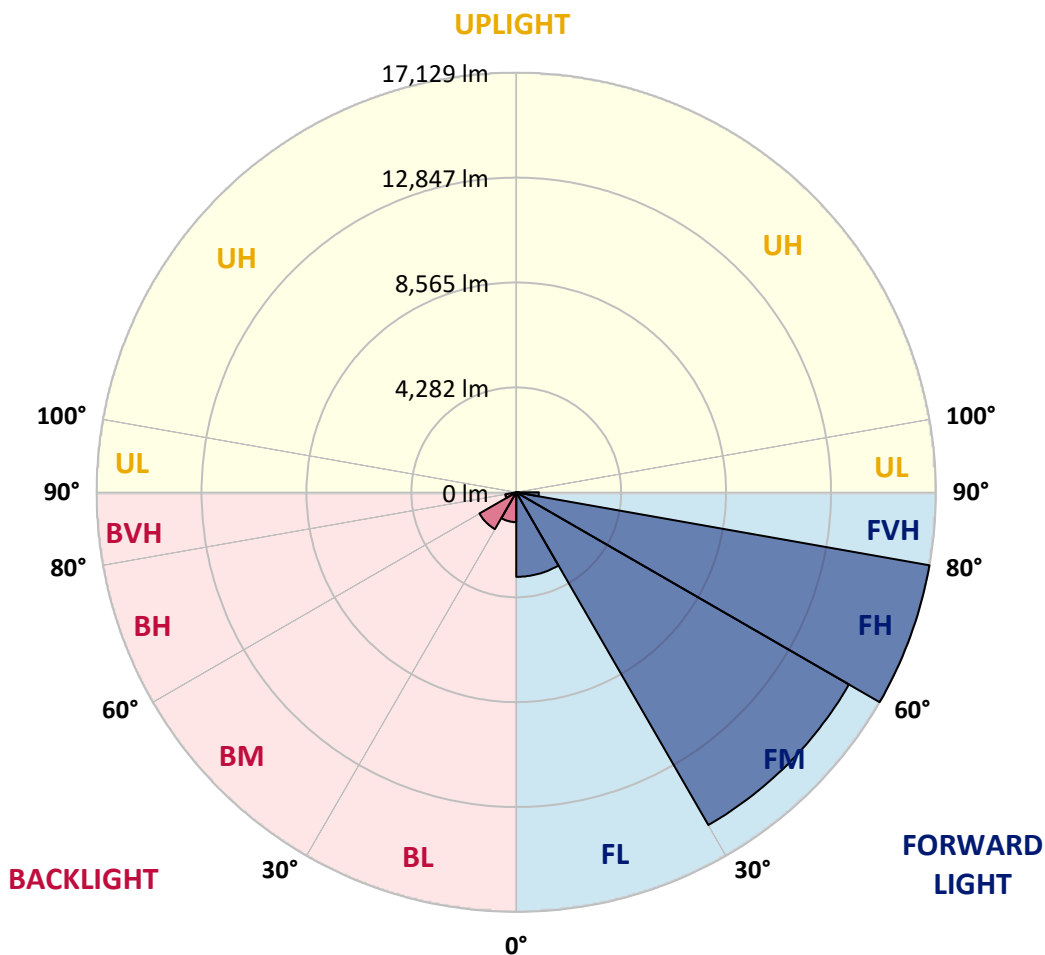


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3450.4	8.5			
FM (30°-60°)	15683.1	38.6			
FH (60°-80°)	17129.4	42.2			G5
FVH (80°-90°)	924.2	2.3			G5
BL (0°-30°)	1216.7	3.0	B3/2500		
BM (30°-60°)	1735.2	4.3	B2/2500		
BH (60°-80°)	456.4	1.1	B1/500		G1/500
BVH (80°-90°)	8.7	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	7466.9	7466.9	7466.9	7466.9	7466.9	7466.9	7466.9	7466.9	7466.9	7466.9	7466.9
2.5°	7925.6	7927.3	7908.8	7878.4	7839.6	7819.4	7785.7	7731.7	7674.4	7571.5	7460.2
5°	8087.5	8087.5	8063.9	8023.4	7961.0	7942.5	7878.4	7792.4	7674.4	7507.4	7320.2
7.5°	8070.6	8074.0	8042.0	7999.8	7937.4	7920.6	7843.0	7746.9	7600.2	7397.8	7158.3
10°	7982.9	7991.4	7966.1	7945.9	7888.5	7870.0	7797.5	7701.3	7554.6	7338.8	7063.9
12.5°	7893.6	7902.0	7910.4	7929.0	7893.6	7886.8	7829.5	7748.6	7608.6	7384.3	7074.0
15°	7836.2	7853.1	7913.8	7986.3	7994.8	7988.0	7950.9	7875.0	7733.4	7500.7	7146.5
17.5°	7836.2	7863.2	7989.7	8128.0	8176.9	8181.9	8149.9	8043.7	7875.0	7625.5	7214.0
20°	7902.0	7939.1	8136.4	8332.0	8413.0	8413.0	8350.6	8202.2	8004.9	7738.4	7259.5
22.5°	8070.6	8119.5	8367.4	8593.4	8679.4	8660.8	8576.5	8360.7	8139.8	7866.6	7316.9
25°	8402.8	8439.9	8697.9	8925.6	8977.9	8935.7	8829.5	8552.9	8311.8	8040.3	7421.4
27.5°	8831.2	8836.2	9102.7	9294.9	9262.9	9234.2	9101.0	8794.1	8559.7	8288.2	7601.8
30°	9301.6	9301.6	9536.0	9682.7	9584.9	9561.3	9428.1	9085.8	8876.7	8625.4	7858.2
32.5°	9756.9	9777.2	9967.7	10060.5	9950.9	9927.3	9797.4	9455.1	9298.3	9139.8	8257.8
35°	10197.1	10212.2	10392.7	10443.3	10338.7	10345.5	10252.7	9962.7	9903.6	9883.4	8859.8
37.5°	10623.7	10627.1	10810.9	10842.9	10790.6	10848.0	10856.4	10600.1	10709.7	10873.3	9708.0
40°	11013.2	11016.6	11198.7	11281.4	11370.7	11444.9	11510.7	11374.1	11736.7	12116.1	10718.1
42.5°	11325.2	11360.6	11591.6	11748.5	11984.5	12126.2	12304.9	12298.2	12959.2	13529.2	11939.0
45°	11600.1	11660.8	11982.9	12257.7	12662.4	12888.4	13168.3	13387.5	14335.2	15102.5	13175.1
47.5°	11962.6	12020.0	12387.6	12837.8	13377.4	13674.2	14137.9	14611.8	15847.9	16647.2	14382.5
50°	12473.6	12448.3	12810.8	13456.7	14149.8	14539.3	15200.3	15910.3	17348.7	17992.8	15092.4
52.5°	13018.2	13008.1	13276.2	14129.5	15060.4	15515.7	16389.2	17252.5	18783.7	18920.3	15417.9
55°	13692.8	13620.3	13846.2	14896.8	16141.3	16630.3	17658.9	18581.4	19927.0	19443.1	15581.4
57.5°	14399.3	14279.6	14495.4	15751.7	17360.5	17938.9	19065.3	19876.4	20687.5	19800.5	15579.7
60°	15129.5	14987.8	15244.2	16820.9	18874.8	19544.2	20589.7	20751.6	21397.5	19981.0	15465.1
62.5°	15739.9	15655.6	16036.7	17964.2	20566.1	21223.8	21741.5	21547.6	21996.1	20120.9	15196.9
65°	16385.8	16390.8	17006.3	19298.0	22363.7	22807.2	22851.1	22579.6	22496.9	20092.3	14289.7
67.5°	17259.3	17340.2	18367.2	21109.1	24112.4	24454.7	24451.4	23697.6	22862.9	18952.3	12278.0
70°	18183.4	18373.9	19935.5	23181.6	26021.3	26368.7	26189.9	24409.2	21527.3	15325.1	8689.5
72.5°	18028.2	18358.8	20807.3	24488.5	27392.3	27657.0	26495.2	22660.5	17014.8	8907.0	3699.7
75°	13908.6	14291.4	19078.8	23193.4	25953.9	25716.1	22765.1	17633.7	9298.3	2485.6	833.0
77.5°	7347.2	7551.3	12603.4	17669.1	20237.3	19739.8	16036.7	9782.2	2834.7	615.5	374.4
80°	3848.1	3895.4	5492.3	10025.1	12490.4	12493.8	9504.0	4296.7	1168.6	315.3	251.3
82.5°	2060.7	2101.1	2902.1	4632.3	6544.5	5932.4	3639.0	2364.2	679.6	178.7	241.1
85°	495.8	504.2	1645.8	2116.3	2573.3	1838.1	1080.9	1984.8	183.8	104.6	195.6
87.5°	190.6	193.9	610.4	915.7	656.0	424.9	505.9	740.3	23.6	40.5	30.4
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°	7466.9	7466.9	7466.9	7466.9	7466.9	7466.9	7466.9	7466.9	7466.9	7466.9	7466.9
2.5°	7392.7	7348.9	7241.0	7104.4	6983.0	6895.3	6763.8	6677.8	6620.4	6618.7	6596.8
5°	7205.6	7116.2	6883.5	6606.9	6355.7	6129.7	5863.3	5652.5	5495.7	5470.4	5416.4
7.5°	7004.9	6858.2	6500.7	6069.0	5647.4	5219.1	4721.6	4413.1	4148.3	4021.8	4008.3
10°	6881.8	6676.1	6168.5	5544.6	4883.5	4187.1	3536.2	3085.9	2760.5	2667.7	2598.6
12.5°	6856.5	6585.0	5912.2	5052.2	4107.8	3187.1	2467.1	1988.1	1728.5	1645.8	1623.9
15°	6881.8	6542.8	5696.3	4564.8	3322.0	2261.3	1655.9	1377.7	1279.9	1256.3	1254.6
17.5°	6897.0	6492.3	5451.8	4023.5	2559.8	1615.5	1268.1	1187.2	1172.0	1170.3	1173.7
20°	6895.3	6414.7	5160.1	3419.8	1903.8	1269.8	1146.7	1129.8	1126.4	1128.1	1126.4
22.5°	6883.5	6323.6	4839.7	2797.6	1438.4	1134.9	1094.4	1084.3	1082.6	1082.6	1082.6
25°	6905.4	6251.1	4487.2	2202.3	1185.5	1072.5	1047.2	1038.8	1037.1	1037.1	1033.7
27.5°	6984.7	6210.6	4101.1	1694.7	1070.8	1016.8	996.6	994.9	989.9	988.2	991.5
30°	7112.8	6210.6	3677.8	1318.7	1001.7	959.5	944.3	941.0	939.3	937.6	939.3
32.5°	7338.8	6257.9	3215.8	1096.1	935.9	895.4	885.3	890.4	885.3	885.3	885.3
35°	7746.9	6399.5	2731.8	956.1	866.8	833.0	822.9	829.7	826.3	826.3	824.6
37.5°	8342.1	6662.6	2244.5	871.8	806.1	770.6	757.1	767.3	763.9	763.9	762.2
40°	9067.2	7045.4	1780.7	807.7	747.0	709.9	698.1	703.2	694.8	694.8	698.1
42.5°	9962.7	7531.0	1376.0	745.3	688.0	652.6	645.9	640.8	625.6	617.2	618.9
45°	10957.6	8036.9	1072.5	684.6	632.4	603.7	593.6	580.1	554.8	537.9	539.6
47.5°	11846.3	8426.4	871.8	625.6	581.8	559.9	544.7	519.4	482.3	462.0	463.7
50°	12313.4	8485.5	742.0	566.6	534.6	512.6	490.7	451.9	408.1	386.2	384.5
52.5°	12433.1	8208.9	645.9	512.6	487.3	462.0	433.4	381.1	332.2	308.6	305.2
55°	12476.9	7787.3	559.9	462.0	436.8	408.1	371.0	312.0	266.4	242.8	241.1
57.5°	12331.9	7158.3	492.4	416.5	386.2	350.8	305.2	249.6	205.7	187.2	187.2
60°	12009.8	6306.8	440.1	367.6	333.9	293.4	246.2	193.9	153.5	138.3	138.3
62.5°	11367.4	5203.9	391.2	317.0	285.0	242.8	199.0	146.7	107.9	99.5	101.2
65°	10154.9	3947.6	342.3	271.5	242.8	200.7	155.1	104.6	72.5	72.5	75.9
67.5°	8281.4	2741.9	291.7	231.0	209.1	163.6	118.0	72.5	50.6	57.3	64.1
70°	5482.2	1537.9	249.6	190.6	178.7	129.8	87.7	48.9	40.5	54.0	65.8
72.5°	2069.1	598.6	209.1	153.5	155.1	99.5	62.4	37.1	37.1	59.0	77.6
75°	576.7	293.4	150.1	113.0	121.4	72.5	45.5	32.0	35.4	67.5	91.1
77.5°	338.9	215.8	97.8	65.8	82.6	50.6	30.4	25.3	30.4	57.3	87.7
80°	273.2	114.7	57.3	33.7	45.5	28.7	20.2	15.2	8.4	21.9	45.5
82.5°	273.2	69.1	27.0	23.6	23.6	15.2	10.1	6.7	1.7	0.0	11.8
85°	183.8	28.7	16.9	15.2	11.8	5.1	3.4	1.7	0.0	0.0	0.0
87.5°	30.4	11.8	6.7	3.4	1.7	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)