

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: P322612

Luminaire Tested: **GAN-SA8C-750-U-T4FT-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322612
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-17)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA8C-750-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40256 lumens
Efficiency: N/A
Efficacy: 90.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

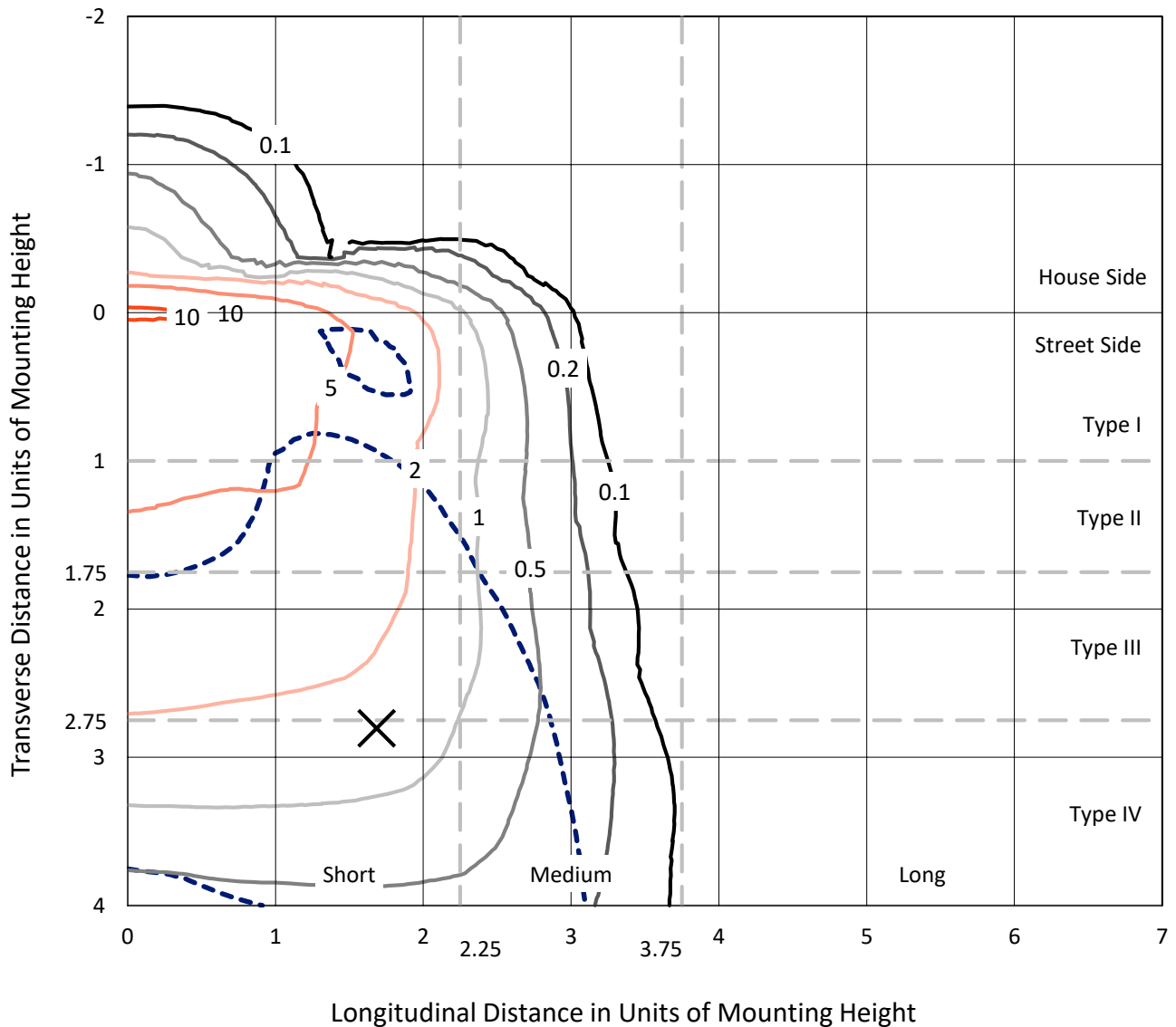
Input Watts (W): 445
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

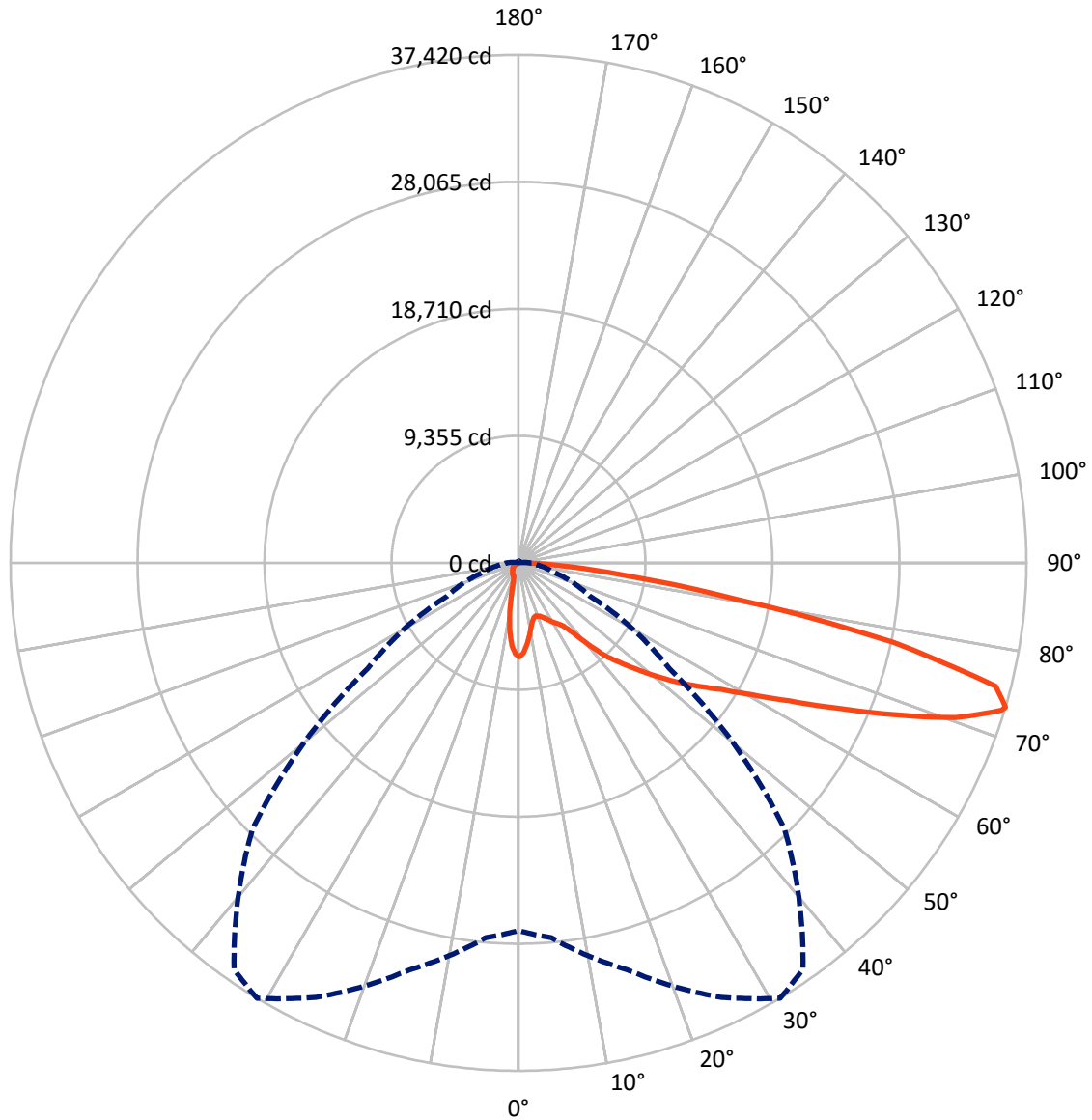
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 31-Deg Lateral - - - Horizontal Cone Through 73-Deg Vertical



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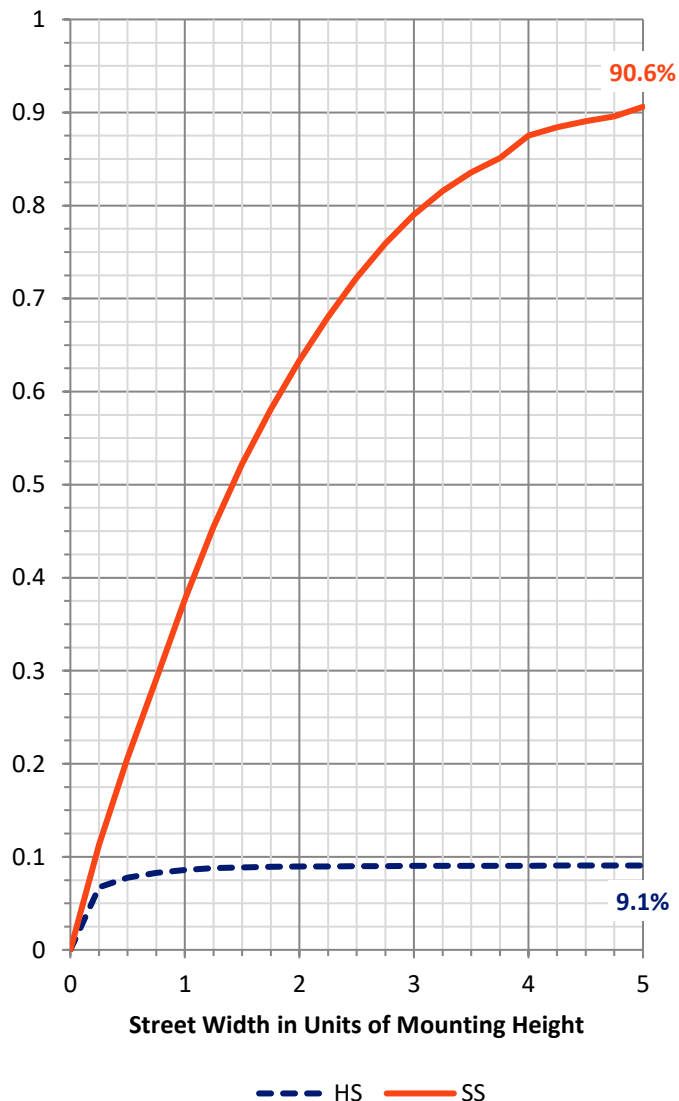
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3669.5	0.0	3669.5
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	36586.5	0.0	36586.5
	% Fixture	90.9	0.0	90.9
Total	Lumens	40256.0	0.0	40256.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	574.3	1.4
10°-20°	1246.9	3.1
20°-30°	1868.2	4.6
30°-40°	2972.4	7.4
40°-50°	5307.8	13.2
50°-60°	8236.2	20.5
60°-70°	10948.9	27.2
70°-80°	8235.8	20.5
80°-90°	865.4	2.1
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°	40256.0	100.0
0°-180°	40256.0	100.0

Coefficient of Utilization

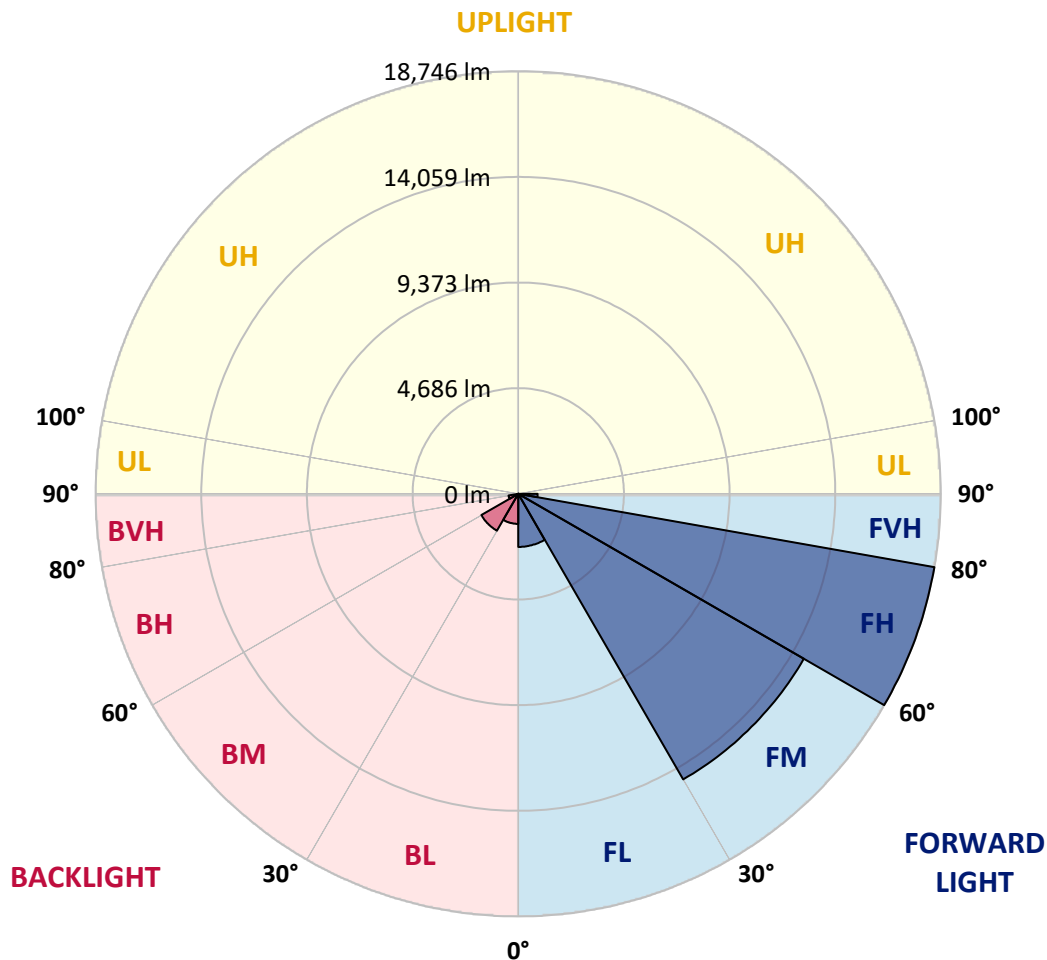


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2355.0	5.9			
FM (30°-60°)	14627.6	36.3			
FH (60°-80°)	18745.7	46.6			G5
FVH (80°-90°)	858.1	2.1			G5
BL (0°-30°)	1334.4	3.3	B3/2500		
BM (30°-60°)	1888.8	4.7	B2/2500		
BH (60°-80°)	439.0	1.1	B1/500		G1/500
BVH (80°-90°)	7.3	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°	31°	35°	45°	55°	65°	75°	85°
0°	6926.1	6926.1	6926.1	6926.1	6926.1	6926.1	6926.1	6926.1	6926.1	6926.1	6926.1
2.5°	6563.7	6591.2	6620.8	6626.7	6676.0	6677.9	6748.8	6802.0	6855.2	6906.4	6924.2
5°	5890.0	5935.3	5988.5	6041.6	6146.1	6187.4	6360.8	6538.1	6707.5	6869.0	6947.8
7.5°	5171.0	5222.2	5297.0	5429.0	5545.2	5626.0	5899.8	6215.0	6530.2	6827.6	6999.0
10°	4515.0	4562.3	4641.1	4780.9	4960.2	5070.5	5438.9	5876.2	6339.1	6790.2	7075.8
12.5°	4097.4	4123.0	4166.3	4316.0	4477.6	4601.7	5035.0	5576.8	6181.5	6788.2	7199.9
15°	4020.5	4028.4	3993.0	4059.9	4186.0	4306.2	4745.5	5334.5	6061.3	6819.8	7361.5
17.5°	4142.7	4138.7	4020.5	4012.7	4113.1	4211.6	4603.6	5167.0	5976.6	6892.6	7570.3
20°	4327.8	4314.1	4109.2	4071.8	4178.1	4270.7	4593.8	5104.0	5945.1	7014.8	7824.4
22.5°	4574.1	4550.4	4229.4	4190.0	4304.2	4400.7	4715.9	5165.0	5972.7	7178.3	8119.9
25°	4879.4	4844.0	4436.2	4392.9	4509.1	4605.6	4934.6	5340.4	6055.4	7377.2	8494.2
27.5°	5224.1	5172.9	4767.1	4654.8	4786.8	4887.3	5226.1	5608.3	6185.4	7588.0	8953.1
30°	5549.2	5482.2	5115.8	4930.6	5092.2	5204.4	5541.3	5927.4	6394.3	7913.0	9581.5
32.5°	5876.2	5801.3	5427.0	5206.4	5352.2	5474.3	5866.3	6366.7	6786.3	8409.5	10416.8
35°	6628.7	6549.9	6090.9	5726.5	5724.5	5793.4	6321.4	6967.5	7304.3	9100.9	11413.5
37.5°	7895.3	7850.0	7412.7	6721.3	6536.1	6459.3	6941.9	7684.5	8049.0	10052.3	12538.3
40°	9282.1	9242.7	8752.2	8125.8	7844.1	7655.0	7832.3	8683.3	9100.9	11214.6	13686.8
42.5°	10848.2	10661.0	9786.4	9599.3	9347.1	9203.3	9043.8	9914.4	10393.1	12479.2	14825.4
45°	12270.4	11955.3	10820.6	10536.9	10479.8	10515.3	10603.9	11569.2	11846.9	13982.3	15960.0
47.5°	13117.5	12869.3	11998.6	11726.7	11711.0	11945.4	12615.2	13438.6	13294.8	15292.2	16958.8
50°	13923.2	13698.6	12975.7	13042.6	13115.5	13434.6	14898.3	15361.2	14616.6	16480.1	17874.8
52.5°	14575.2	14232.4	13854.2	14230.5	14589.0	15103.1	17254.3	17086.8	15554.2	17425.6	18658.8
55°	14951.5	14795.8	14979.0	15357.2	16031.0	16866.2	19478.3	18522.9	16239.8	18288.4	19180.8
57.5°	16330.4	16025.0	16389.5	16716.5	17595.0	18763.2	21383.1	19592.5	16734.2	18822.3	19301.0
60°	17998.9	17752.6	17967.4	18511.0	19696.9	21069.9	23163.9	20465.2	16992.3	19165.0	18989.7
62.5°	20654.3	20329.2	20195.3	20804.0	22376.0	23875.0	24515.3	21069.9	16935.1	19013.4	17922.0
65°	24211.9	23875.0	23276.2	23827.8	25827.2	26885.0	26026.2	21198.0	16541.2	17786.1	15223.3
67.5°	27856.2	27611.9	27099.8	28029.5	29834.0	30174.7	27623.7	20886.7	15272.5	14421.6	10755.6
70°	30263.4	30159.0	30491.9	32548.5	34157.9	34059.4	29089.3	19214.3	11904.0	8868.4	5320.7
72.5°	28527.9	29028.3	31486.7	35215.7	37181.6	36377.9	28336.8	14754.5	6804.0	3411.8	1538.5
73°	27089.9	27730.1	31039.5	35316.2	37420.0	36539.5	27704.5	13543.0	5799.4	2692.8	1166.2
75°	18845.9	19631.9	25697.2	32891.2	36305.0	34813.8	23093.0	8289.3	2686.9	1193.8	470.8
77.5°	9150.1	9731.2	14149.7	23764.7	28234.4	27200.2	14376.2	3088.8	1213.5	746.6	216.7
80°	3415.8	3797.9	6142.1	12095.1	16316.6	16744.1	6323.3	1168.1	807.7	600.8	110.3
82.5°	894.3	996.8	2265.4	5393.6	8362.2	8752.2	1993.5	589.0	591.0	494.4	67.0
85°	285.6	327.0	707.2	2421.0	3939.8	3459.1	520.1	285.6	429.4	368.4	37.4
87.5°	35.5	45.3	224.6	569.3	868.7	482.6	80.8	84.7	183.2	204.9	21.7
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°	6926.1	6926.1	6926.1	6926.1	6926.1	6926.1	6926.1	6926.1	6926.1	6926.1	6926.1
2.5°	6941.9	6932.0	6934.0	6882.8	6849.3	6782.3	6713.4	6681.9	6648.4	6634.6	6648.4
5°	6977.3	6959.6	6908.4	6750.8	6583.4	6366.7	6163.8	6010.1	5817.1	5763.9	5819.1
7.5°	7032.5	6997.0	6847.3	6526.2	6153.9	5740.3	5275.4	4936.5	4658.8	4479.5	4544.5
10°	7113.3	7046.3	6744.9	6199.2	5533.4	4800.6	4140.7	3626.6	3262.1	3112.4	3106.5
12.5°	7249.2	7123.1	6618.8	5773.7	4775.0	3797.9	2933.2	2375.7	2080.2	1889.1	1885.2
15°	7398.9	7213.7	6459.3	5263.5	3892.5	2720.4	1889.1	1465.6	1274.5	1213.5	1205.6
17.5°	7582.1	7318.1	6252.4	4635.1	2968.6	1802.4	1233.2	1111.0	1103.1	1097.2	1097.2
20°	7812.6	7442.2	5986.5	3916.1	2105.8	1203.6	1048.0	1055.9	1059.8	1051.9	1053.9
22.5°	8080.5	7568.3	5669.3	3143.9	1424.2	1006.6	1002.7	1012.5	1016.5	1012.5	1014.5
25°	8391.7	7714.1	5283.2	2334.3	1028.3	955.4	965.2	979.0	988.9	988.9	988.9
27.5°	8777.8	7891.4	4818.3	1629.1	888.4	902.2	929.8	955.4	969.2	973.1	973.1
30°	9280.1	8112.0	4260.9	1116.9	807.7	831.3	882.5	931.8	957.4	961.3	963.3
32.5°	9914.4	8360.2	3614.7	825.4	738.7	756.4	811.6	894.3	943.6	951.5	951.5
35°	10641.3	8647.8	2919.4	719.0	689.5	695.4	738.7	833.3	919.9	941.6	943.6
37.5°	11437.2	8931.5	2220.1	671.7	648.1	648.1	679.6	760.4	862.8	929.8	937.7
40°	12179.8	9102.9	1556.2	634.3	610.7	610.7	638.2	697.3	793.9	894.3	916.0
42.5°	12865.3	9162.0	1083.4	598.8	575.2	581.1	604.8	652.0	724.9	825.4	845.1
45°	13570.6	9152.1	789.9	557.5	539.7	557.5	575.2	610.7	663.9	721.0	724.9
47.5°	14102.4	9069.4	626.4	518.1	506.3	529.9	545.7	569.3	598.8	594.9	594.9
50°	14600.8	8868.4	504.3	464.9	472.8	500.4	508.2	516.1	518.1	480.7	476.7
52.5°	14979.0	8555.2	403.8	407.8	439.3	466.9	459.0	447.2	427.5	382.2	374.3
55°	15105.1	7952.4	317.2	336.9	390.0	425.5	395.9	370.3	332.9	295.5	287.6
57.5°	14876.6	7174.3	258.1	262.0	329.0	358.5	325.0	295.5	254.1	222.6	216.7
60°	14392.0	6309.6	212.7	197.0	254.1	279.7	258.1	228.5	191.1	167.4	165.5
62.5°	13430.7	5387.6	175.3	153.7	193.0	214.7	200.9	179.3	147.7	132.0	130.0
65°	11409.6	4310.1	141.8	124.1	149.7	167.4	155.6	139.9	116.2	104.4	102.4
67.5°	7964.3	2913.5	116.2	102.4	118.2	132.0	122.1	114.3	92.6	90.6	92.6
70°	3841.3	1404.5	96.5	82.7	92.6	102.4	98.5	92.6	88.6	102.4	118.2
72.5°	1101.2	470.8	76.8	68.9	74.9	80.8	84.7	82.7	96.5	124.1	143.8
73°	847.1	380.2	72.9	65.0	70.9	78.8	82.7	80.8	98.5	126.1	143.8
75°	362.5	183.2	55.2	53.2	59.1	68.9	72.9	72.9	98.5	128.0	137.9
77.5°	163.5	98.5	35.5	41.4	51.2	55.2	61.1	61.1	78.8	98.5	98.5
80°	92.6	53.2	27.6	31.5	37.4	37.4	37.4	33.5	35.5	39.4	43.3
82.5°	59.1	35.5	21.7	25.6	23.6	19.7	15.8	15.8	13.8	15.8	19.7
85°	33.5	19.7	19.7	15.8	9.8	7.9	9.8	7.9	2.0	0.0	2.0
87.5°	19.7	11.8	5.9	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)