

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: P455578

Luminaire Tested: **GLAN-SA6D-730-U-T3R-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455578
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6D-730-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32709 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

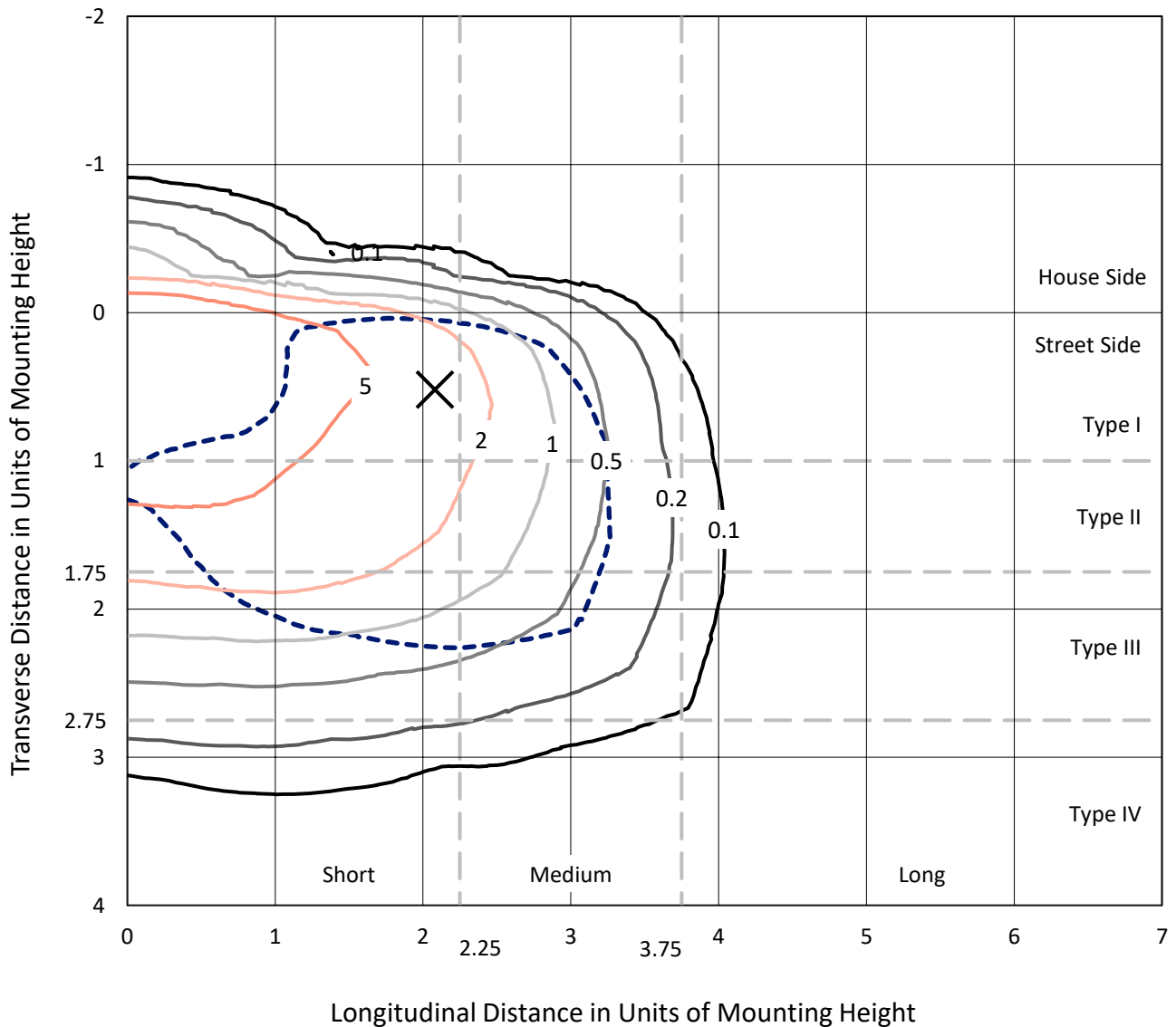
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

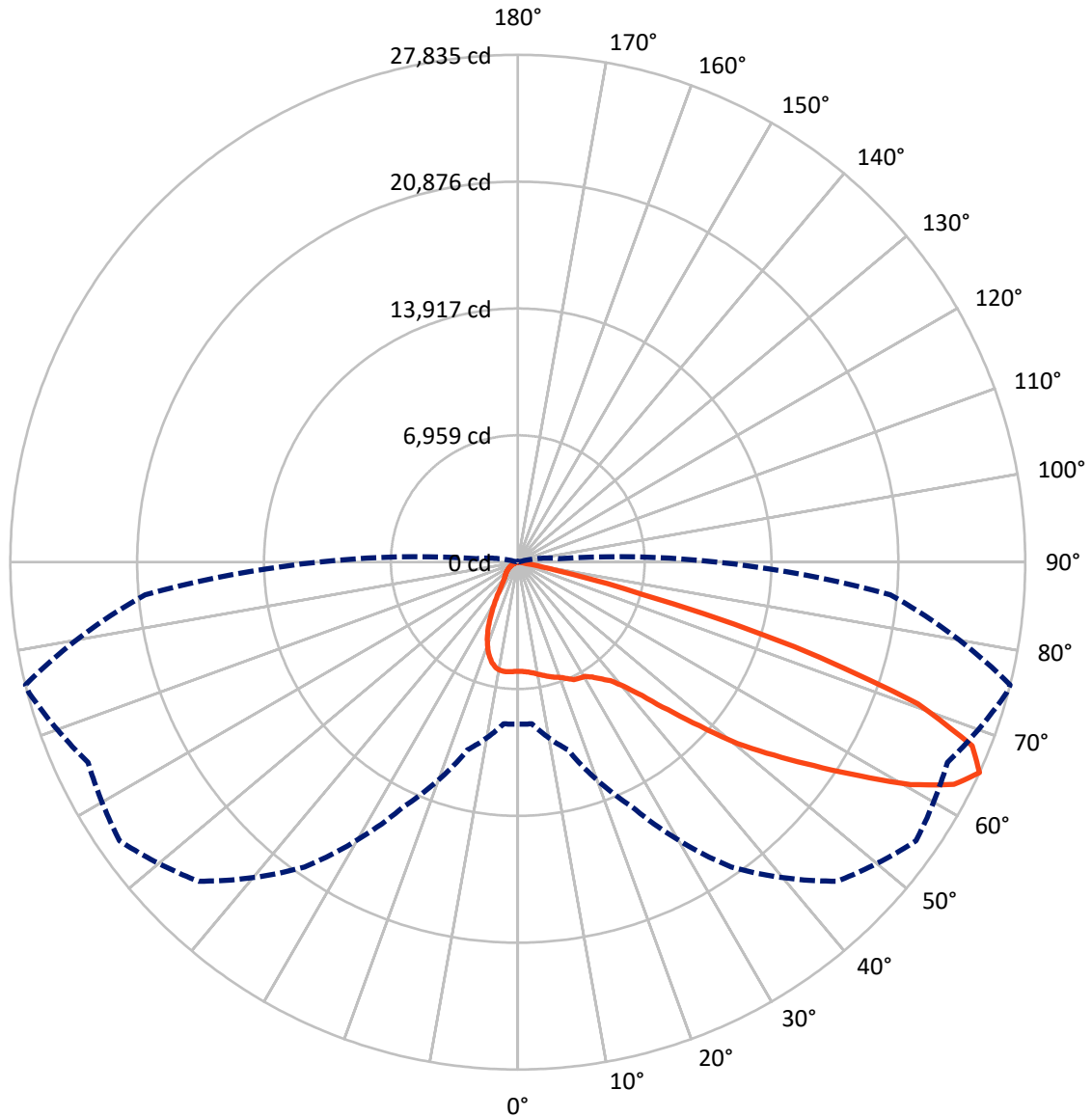
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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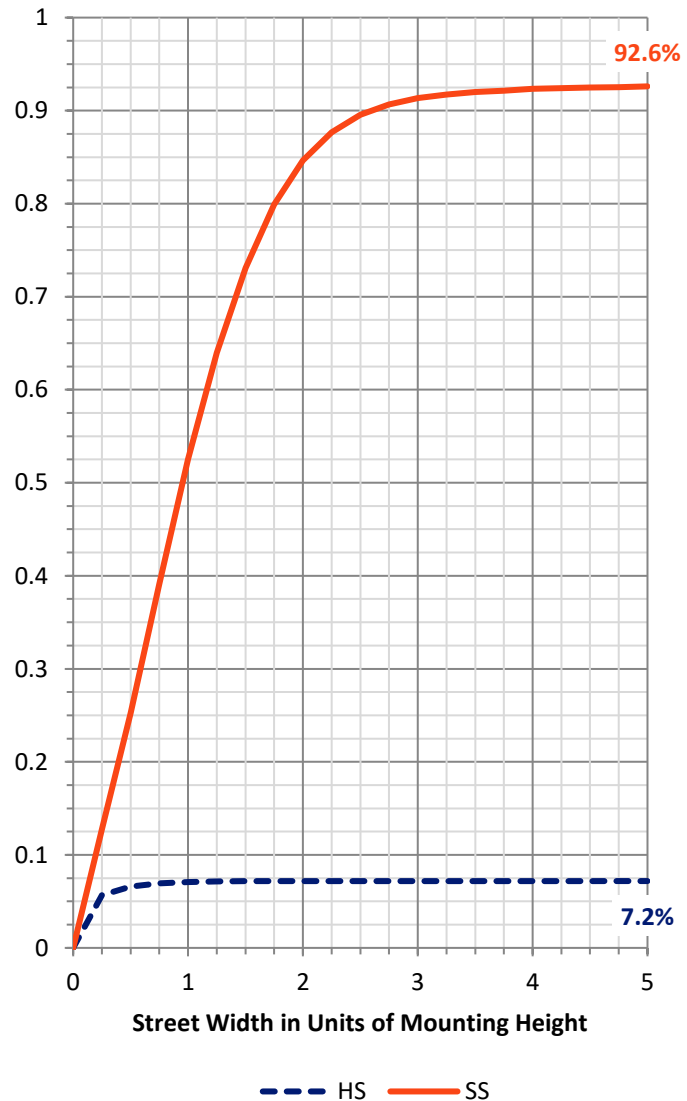
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2362.2	0.0	2362.2
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	30346.8	0.0	30346.8
	% Fixture	92.8	0.0	92.8
Total	Lumens	32709.0	0.0	32709.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	492.9	1.5
10°-20°	1097.5	3.4
20°-30°	1768.5	5.4
30°-40°	3075.0	9.4
40°-50°	5081.2	15.5
50°-60°	7849.4	24.0
60°-70°	9585.3	29.3
70°-80°	3637.9	11.1
80°-90°	121.4	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°	32709.0	100.0
0°-180°	32709.0	100.0



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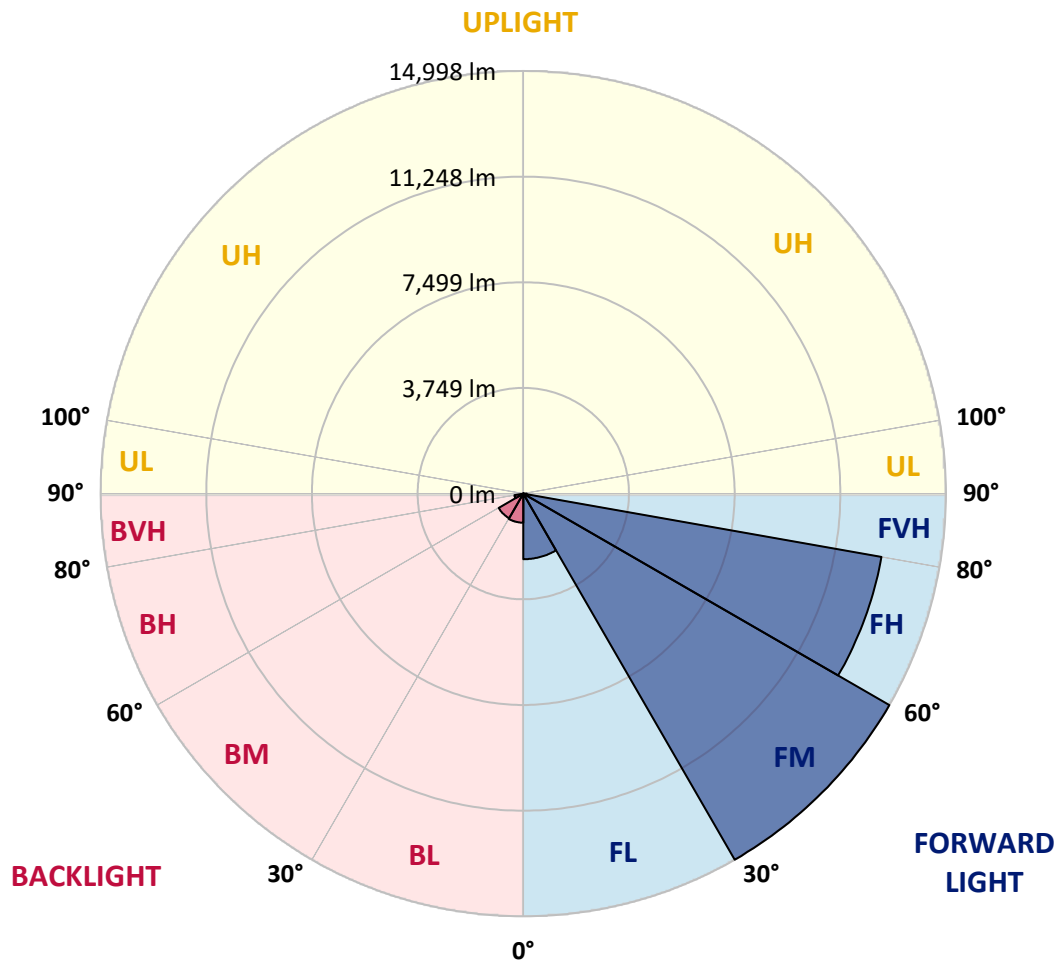
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2326.9	7.1			
FM (30°-60°)	14997.6	45.9			
FH (60°-80°)	12902.6	39.4			G5
FVH (80°-90°)	119.7	0.4			G2/225
BL (0°-30°)	1032.0	3.2	B3/2500		
BM (30°-60°)	1008.0	3.1	B2/2500		
BH (60°-80°)	320.5	1.0	B1/500		G1/500
BVH (80°-90°)	1.7	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	5983.5	5983.5	5983.5	5983.5	5983.5	5983.5	5983.5	5983.5	5983.5	5983.5	5983.5
2.5°	5717.9	5720.3	5734.1	5768.8	5821.9	5865.7	5902.7	5962.7	6004.3	6008.9	6022.8
5°	5323.0	5295.3	5323.0	5413.1	5493.9	5616.3	5766.4	5916.5	6050.5	6059.7	6124.4
7.5°	4879.7	4902.7	4946.6	5039.0	5191.4	5378.5	5595.5	5863.4	6117.5	6140.6	6267.6
10°	4429.3	4480.1	4551.7	4692.6	4905.1	5147.5	5443.1	5826.5	6223.7	6256.0	6475.4
12.5°	4013.6	4036.7	4124.5	4313.9	4577.1	4918.9	5327.7	5805.7	6341.5	6380.7	6697.1
15°	3695.0	3725.0	3801.2	3972.1	4265.4	4704.1	5233.0	5798.8	6456.9	6512.4	6918.8
17.5°	3634.9	3653.4	3685.7	3801.2	4057.5	4533.2	5147.5	5796.5	6567.8	6634.8	7124.3
20°	3882.0	3865.8	3833.5	3822.0	3962.8	4401.6	5085.2	5814.9	6674.0	6750.2	7341.4
22.5°	4500.9	4521.7	4332.3	4108.3	4062.1	4380.8	5075.9	5902.7	6842.6	6932.7	7583.9
25°	5814.9	5655.6	5360.0	4824.2	4420.1	4507.8	5179.9	6110.5	7038.9	7138.2	7803.3
27.5°	7267.5	7219.0	6759.5	5877.3	5124.4	4775.7	5364.6	6269.9	7103.6	7205.2	7928.0
30°	8694.7	8752.4	8225.9	7251.4	6147.5	5272.2	5537.8	6329.9	7161.3	7267.5	8087.3
32.5°	10018.0	10087.2	9625.4	8660.1	7353.0	6131.3	5835.7	6563.2	7403.8	7512.3	8352.9
35°	11059.5	11068.7	10720.0	9951.0	8669.3	7175.1	6480.0	6971.9	7731.7	7858.7	8634.7
37.5°	12015.5	12001.7	11592.9	10930.1	9766.2	8212.0	7290.6	7443.0	8105.8	8237.4	9041.1
40°	12724.5	12733.7	12602.1	11978.6	10789.3	9170.4	7932.6	7884.1	8734.0	8939.5	9632.3
42.5°	13197.9	13283.4	13348.0	13031.6	12075.6	10350.5	8918.7	8828.6	9824.0	9994.9	10468.3
45°	13581.3	13733.7	14057.0	14040.8	13311.1	11798.5	10272.0	10087.2	11368.9	11551.4	11532.9
47.5°	13860.7	14015.4	14551.2	14874.5	14472.7	13202.5	11974.0	11814.6	13214.1	13412.7	12708.3
50°	14003.9	14188.6	14872.2	15498.0	15380.3	14555.8	13913.8	13923.1	15442.6	15634.3	14070.9
52.5°	13669.0	13909.2	15043.1	16170.1	16398.7	15851.4	15731.3	16036.1	17426.3	17590.3	15301.7
55°	12599.8	12902.3	14809.8	16742.8	17578.8	17380.2	17795.8	18260.0	19594.8	19701.0	16565.0
57.5°	11923.2	12244.2	14121.7	17230.0	18996.7	19301.5	19959.7	20299.2	21832.6	22102.8	18015.2
60°	11352.8	11604.5	13555.9	17334.0	20437.7	21652.4	22292.1	22643.2	24594.6	24770.1	19611.0
62.5°	10403.6	10692.3	12599.8	16608.8	21162.9	23534.6	24860.1	24703.1	26730.7	26853.1	20590.1
65°	8877.1	8902.5	10659.9	14786.8	20414.6	24756.2	26663.7	26005.6	27751.4	27834.6	20513.9
67.5°	6625.5	6870.3	8200.5	11622.9	17243.9	23712.4	27248.0	26040.2	27107.1	26876.2	18885.8
70°	4267.7	4454.7	5558.6	8059.6	12433.5	19788.8	25310.5	24255.1	23790.9	23278.2	15458.8
72.5°	1969.9	2210.0	3302.4	4604.8	7373.7	14096.3	20546.3	19705.7	17123.8	15858.3	9826.3
75°	859.1	919.1	1630.4	2429.4	3457.1	7454.6	13546.6	12232.6	7734.0	7064.3	3932.8
77.5°	524.2	563.5	854.5	1302.5	1357.9	2840.5	7297.5	5336.9	2390.2	2108.4	1066.9
80°	355.6	399.5	621.2	681.3	464.2	792.1	2738.9	1424.9	482.7	461.9	228.6
82.5°	173.2	219.4	459.6	381.0	200.9	254.0	796.7	304.8	140.9	131.6	80.8
85°	25.4	43.9	258.6	249.4	90.1	60.0	140.9	76.2	48.5	46.2	36.9
87.5°	0.0	0.0	87.8	39.3	9.2	9.2	16.2	16.2	18.5	16.2	18.5
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°	5983.5	5983.5	5983.5	5983.5	5983.5	5983.5	5983.5	5983.5	5983.5	5983.5	5983.5
2.5°	6029.7	6041.3	5997.4	5935.0	5868.1	5801.1	5706.4	5621.0	5570.1	5600.2	5526.3
5°	6138.2	6129.0	6013.5	5824.2	5572.5	5269.9	4969.7	4713.4	4630.2	4505.5	4491.7
7.5°	6288.4	6263.0	6018.2	5584.0	5015.9	4447.8	3893.6	3526.4	3316.2	3138.4	3143.0
10°	6498.5	6424.6	5965.0	5161.4	4226.1	3369.3	2662.7	2177.7	1967.6	1900.6	1847.5
12.5°	6715.6	6572.4	5817.2	4591.0	3290.8	2302.4	1618.9	1323.3	1193.9	1152.4	1147.7
15°	6909.6	6683.3	5558.6	3905.1	2392.5	1471.1	1103.9	1006.9	990.7	993.0	990.7
17.5°	7101.2	6771.0	5200.7	3177.7	1625.8	1055.4	949.1	926.0	933.0	942.2	939.9
20°	7260.6	6789.5	4743.4	2424.8	1150.1	926.0	891.4	886.8	893.7	900.6	900.6
22.5°	7433.8	6803.3	4200.7	1678.9	939.9	861.4	842.9	842.9	852.1	861.4	863.7
25°	7563.1	6727.1	3551.8	1205.5	829.1	799.0	789.8	792.1	801.3	806.0	803.7
27.5°	7583.9	6512.4	2863.6	923.7	752.8	722.8	713.6	722.8	711.3	718.2	713.6
30°	7602.4	6239.9	2166.2	778.3	683.6	637.4	623.5	609.7	600.4	588.9	586.6
32.5°	7660.1	5918.9	1581.9	699.7	618.9	568.1	535.8	496.5	466.5	457.3	454.9
35°	7685.5	5533.2	1161.6	637.4	561.2	505.7	448.0	392.6	348.7	332.5	344.1
37.5°	7782.5	5159.1	900.6	591.2	510.4	441.1	367.2	297.9	256.3	247.1	251.7
40°	7981.1	4752.6	755.2	551.9	466.5	381.0	291.0	224.0	196.3	187.1	184.7
42.5°	8299.8	4348.5	672.0	515.0	422.6	321.0	228.6	175.5	152.4	145.5	145.5
45°	8687.8	3960.5	614.3	475.7	376.4	258.6	180.1	140.9	127.0	122.4	122.4
47.5°	9198.1	3621.1	565.8	436.5	325.6	205.5	145.5	122.4	113.2	115.5	117.8
50°	9715.4	3369.3	512.7	392.6	267.9	168.6	124.7	108.5	106.2	108.5	108.5
52.5°	10105.7	3221.5	441.1	332.5	210.2	140.9	110.8	101.6	99.3	94.7	94.7
55°	10632.2	3189.2	351.0	270.2	166.3	117.8	99.3	92.4	85.4	80.8	78.5
57.5°	11308.9	3226.2	270.2	210.2	129.3	97.0	87.8	76.2	67.0	57.7	57.7
60°	11729.2	3143.0	210.2	161.7	94.7	78.5	67.0	55.4	43.9	36.9	34.6
62.5°	11595.2	2792.0	166.3	120.1	67.0	57.7	43.9	36.9	25.4	18.5	16.2
65°	10904.7	2253.9	133.9	83.1	48.5	34.6	23.1	23.1	11.5	2.3	0.0
67.5°	9544.5	1669.7	106.2	55.4	27.7	16.2	11.5	6.9	0.0	0.0	0.0
70°	7768.6	1205.5	83.1	34.6	16.2	11.5	4.6	2.3	0.0	0.0	0.0
72.5°	4932.8	690.5	64.7	20.8	11.5	4.6	0.0	0.0	0.0	0.0	0.0
75°	1907.5	270.2	43.9	13.9	4.6	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	540.4	127.0	25.4	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	140.9	55.4	13.9	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	67.0	23.1	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	39.3	9.2	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	18.5	2.3	0.0	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)