

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: P323820

Luminaire Tested: **GAN-SA6D-730-U-SL4-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323820
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-SA6D-730-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1200mA 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: 34301 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

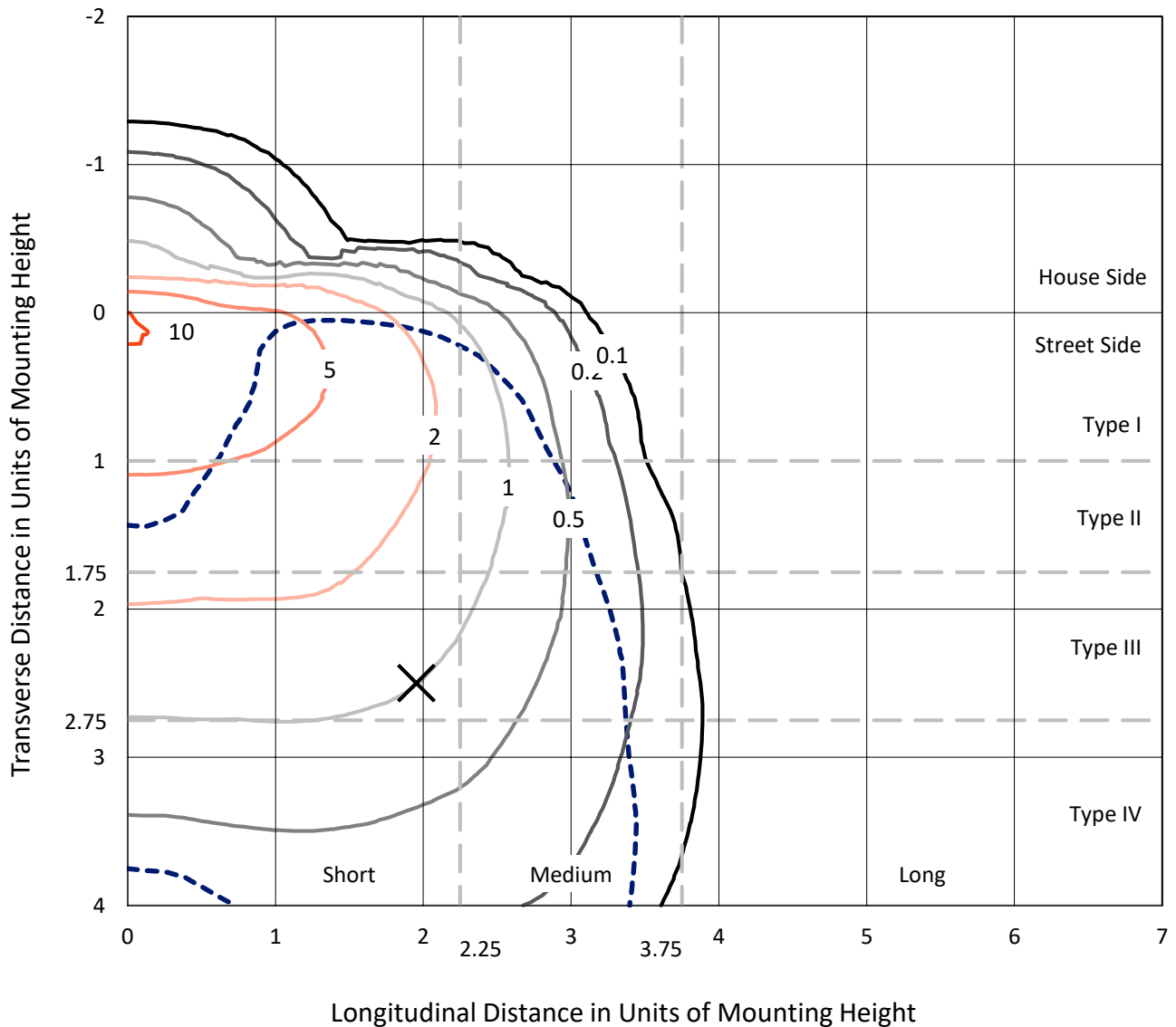
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

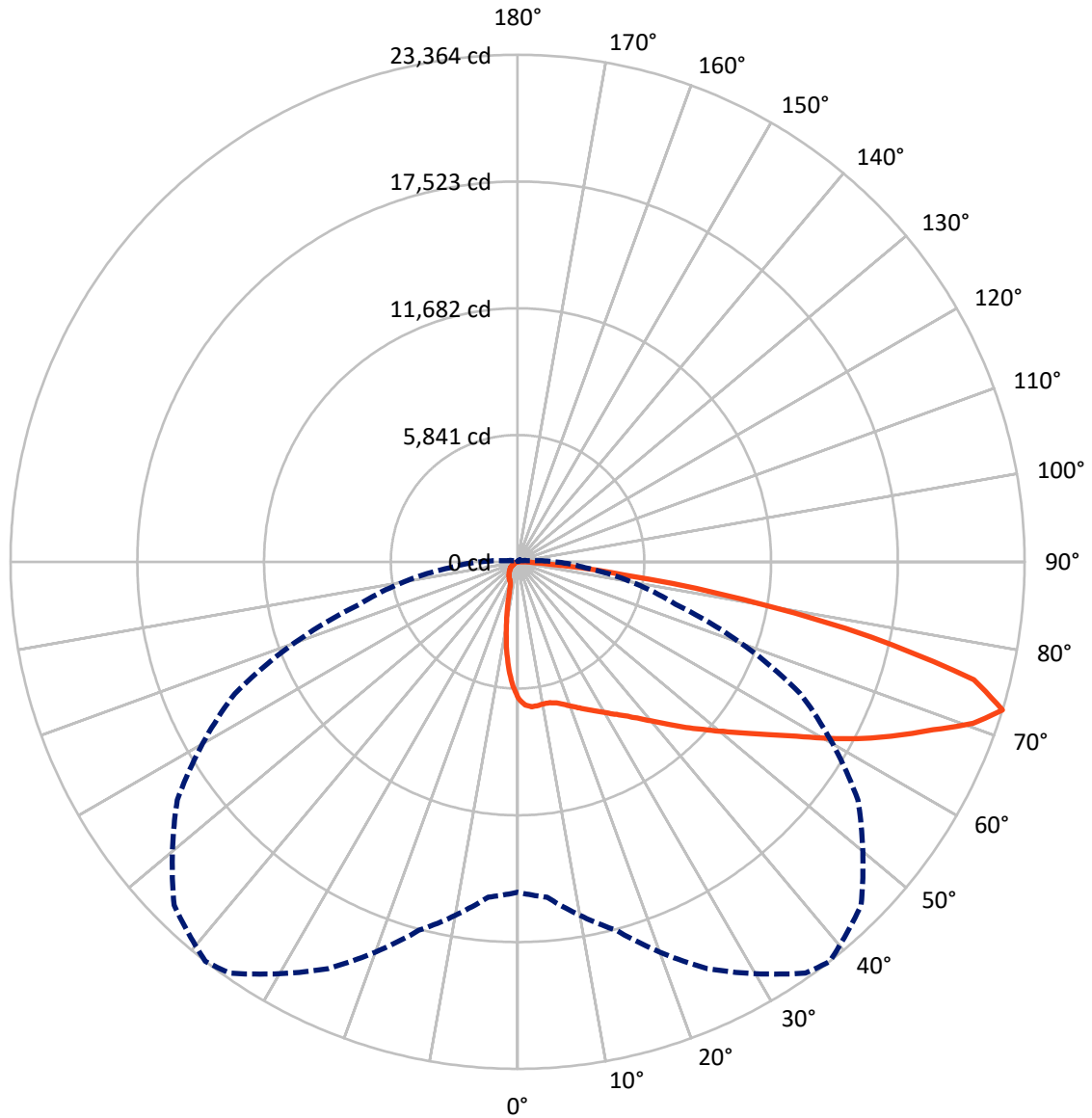
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 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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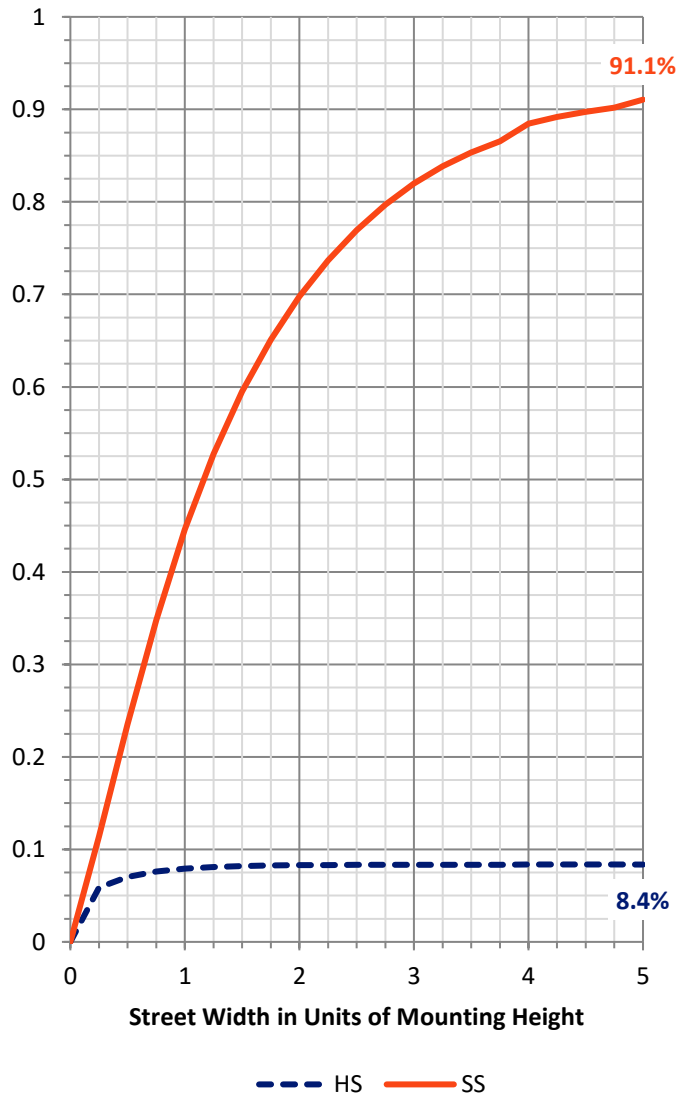
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2886.5	0.0	2886.5
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	31414.4	0.0	31414.4
	% Fixture	91.6	0.0	91.6
Total	Lumens	34301.0	0.0	34301.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	537.5	1.6
10°-20°	1314.4	3.8
20°-30°	2090.6	6.1
30°-40°	3143.0	9.2
40°-50°	4794.8	14.0
50°-60°	6776.7	19.8
60°-70°	8500.2	24.8
70°-80°	6355.8	18.5
80°-90°	788.1	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°	34301.0	100.0
0°-180°	34301.0	100.0

Coefficient of Utilization



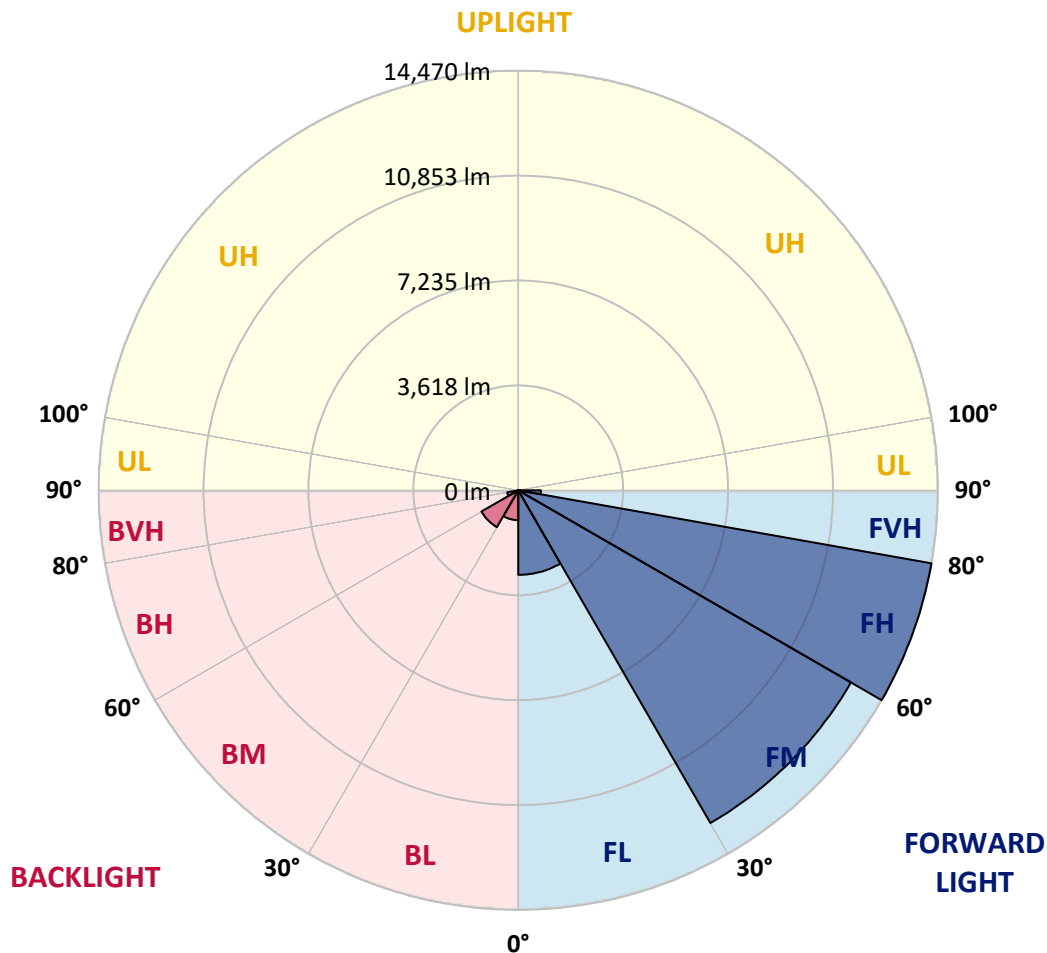
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2914.8	8.5			
FM (30°-60°)	13248.6	38.6			
FH (60°-80°)	14470.4	42.2			G5
FVH (80°-90°)	780.7	2.3			G5
BL (0°-30°)	1027.8	3.0	B3/2500		
BM (30°-60°)	1465.8	4.3	B2/2500		
BH (60°-80°)	385.6	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°	35°	38°	45°	55°	65°	75°	85°
0°	6307.8	6307.8	6307.8	6307.8	6307.8	6307.8	6307.8	6307.8	6307.8	6307.8	6307.8
2.5°	6695.3	6696.7	6681.1	6655.4	6622.7	6605.6	6577.1	6531.5	6483.1	6396.2	6302.1
5°	6832.1	6832.1	6812.1	6777.9	6725.2	6709.6	6655.4	6582.8	6483.1	6342.0	6183.9
7.5°	6817.8	6820.7	6793.6	6758.0	6705.3	6691.0	6625.5	6544.3	6420.4	6249.4	6047.2
10°	6743.7	6750.9	6729.5	6712.4	6664.0	6648.3	6587.0	6505.9	6381.9	6199.6	5967.4
12.5°	6668.2	6675.4	6682.5	6698.2	6668.2	6662.6	6614.1	6545.7	6427.5	6238.0	5975.9
15°	6619.8	6634.1	6685.3	6746.6	6753.7	6748.0	6716.7	6652.6	6532.9	6336.3	6037.2
17.5°	6619.8	6642.6	6749.4	6866.3	6907.6	6911.8	6884.8	6795.0	6652.6	6441.7	6094.2
20°	6675.4	6706.7	6873.4	7038.6	7107.0	7107.0	7054.3	6928.9	6762.3	6537.2	6132.6
22.5°	6817.8	6859.1	7068.5	7259.4	7332.1	7316.4	7245.2	7062.8	6876.2	6645.5	6181.1
25°	7098.5	7129.8	7347.8	7540.1	7584.2	7548.6	7458.9	7225.2	7021.5	6792.2	6269.4
27.5°	7460.3	7464.6	7689.6	7852.0	7825.0	7800.8	7688.2	7428.9	7230.9	7001.6	6421.8
30°	7857.7	7857.7	8055.7	8179.7	8097.1	8077.1	7964.6	7675.4	7498.8	7286.5	6638.3
32.5°	8242.4	8259.5	8420.4	8498.8	8406.2	8386.2	8276.5	7987.4	7854.9	7721.0	6975.9
35°	8614.2	8627.0	8779.4	8822.1	8733.8	8739.5	8661.2	8416.2	8366.3	8349.2	7484.5
37.5°	8974.6	8977.4	9132.7	9159.8	9115.6	9164.0	9171.2	8954.6	9047.2	9185.4	8201.0
40°	9303.6	9306.5	9460.3	9530.1	9605.6	9668.3	9723.9	9608.5	9914.8	10235.3	9054.3
42.5°	9567.2	9597.1	9792.3	9924.7	10124.2	10243.8	10394.8	10389.1	10947.6	11429.0	10085.7
45°	9799.4	9850.7	10122.7	10354.9	10696.8	10887.7	11124.2	11309.4	12110.0	12758.1	11129.9
47.5°	10105.7	10154.1	10464.6	10845.0	11300.8	11551.6	11943.3	12343.6	13387.8	14063.0	12149.9
50°	10537.3	10515.9	10822.2	11367.8	11953.3	12282.3	12840.8	13440.5	14655.6	15199.8	12749.6
52.5°	10997.4	10988.9	11215.4	11936.2	12722.5	13107.1	13845.1	14574.4	15867.9	15983.3	13024.5
55°	11567.2	11506.0	11696.9	12584.3	13635.6	14048.8	14917.7	15697.0	16833.7	16424.9	13162.7
57.5°	12164.1	12063.0	12245.3	13306.6	14665.6	15154.2	16105.8	16791.0	17476.2	16726.9	13161.3
60°	12780.9	12661.3	12877.8	14209.7	15944.8	16510.4	17393.6	17530.3	18075.9	16879.3	13064.4
62.5°	13296.6	13225.4	13547.3	15175.6	17373.6	17929.2	18366.5	18202.7	18581.6	16997.6	12837.9
65°	13842.2	13846.5	14366.4	16302.4	18892.2	19266.8	19303.9	19074.5	19004.7	16973.3	12071.5
67.5°	14580.1	14648.5	15516.0	17832.3	20369.4	20658.6	20655.8	20019.0	19313.8	16010.3	10372.0
70°	15360.8	15521.7	16840.9	19583.1	21982.0	22275.5	22124.5	20620.1	18185.6	12946.2	7340.6
72.5°	15229.7	15508.9	17577.3	20687.1	23140.1	23363.8	22382.3	19142.9	14373.6	7524.4	3125.4
75°	11749.6	12072.9	16117.2	19593.1	21925.0	21724.2	19231.2	14896.4	7854.9	2099.8	703.7
77.5°	6206.7	6379.1	10647.0	14926.3	17095.8	16675.6	13547.3	8263.7	2394.6	520.0	316.2
80°	3250.8	3290.7	4639.7	8468.9	10551.5	10554.4	8028.7	3629.7	987.2	266.4	212.3
82.5°	1740.8	1775.0	2451.6	3913.2	5528.6	5011.5	3074.1	1997.2	574.1	151.0	203.7
85°	418.8	425.9	1390.3	1787.8	2173.8	1552.7	913.1	1676.7	155.3	88.3	165.2
87.5°	161.0	163.8	515.7	773.5	554.1	359.0	427.4	625.4	19.9	34.2	25.6
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°	6307.8	6307.8	6307.8	6307.8	6307.8	6307.8	6307.8	6307.8	6307.8	6307.8	6307.8
2.5°	6245.2	6208.1	6117.0	6001.6	5899.0	5824.9	5713.8	5641.2	5592.7	5591.3	5572.8
5°	6087.0	6011.5	5815.0	5581.3	5369.1	5178.2	4953.1	4775.0	4642.6	4621.2	4575.6
7.5°	5917.5	5793.6	5491.6	5126.9	4770.8	4408.9	3988.7	3728.0	3504.4	3397.5	3386.1
10°	5813.5	5639.7	5210.9	4683.9	4125.5	3537.1	2987.2	2606.9	2332.0	2253.6	2195.2
12.5°	5792.2	5562.8	4994.4	4267.9	3470.2	2692.4	2084.1	1679.5	1460.1	1390.3	1371.8
15°	5813.5	5527.2	4812.1	3856.2	2806.3	1910.3	1398.9	1163.8	1081.2	1061.3	1059.9
17.5°	5826.3	5484.5	4605.5	3398.9	2162.4	1364.7	1071.3	1002.9	990.1	988.6	991.5
20°	5824.9	5418.9	4359.1	2889.0	1608.3	1072.7	968.7	954.4	951.6	953.0	951.6
22.5°	5815.0	5342.0	4088.4	2363.3	1215.1	958.7	924.5	916.0	914.6	914.6	914.6
25°	5833.5	5280.8	3790.7	1860.4	1001.4	906.0	884.6	877.5	876.1	876.1	873.2
27.5°	5900.4	5246.6	3464.5	1431.7	904.6	859.0	841.9	840.5	836.2	834.8	837.6
30°	6008.7	5246.6	3106.9	1114.0	846.2	810.6	797.7	794.9	793.5	792.0	793.5
32.5°	6199.6	5286.4	2716.6	925.9	790.6	756.4	747.9	752.2	747.9	747.9	747.9
35°	6544.3	5406.1	2307.7	807.7	732.2	703.7	695.2	700.9	698.0	698.0	696.6
37.5°	7047.2	5628.3	1896.1	736.5	680.9	651.0	639.6	648.2	645.3	645.3	643.9
40°	7659.7	5951.7	1504.3	682.4	631.1	599.7	589.8	594.0	586.9	586.9	589.8
42.5°	8416.2	6362.0	1162.4	629.6	581.2	551.3	545.6	541.3	528.5	521.4	522.8
45°	9256.6	6789.3	906.0	578.4	534.2	510.0	501.4	490.0	468.7	454.4	455.9
47.5°	10007.4	7118.4	736.5	528.5	491.5	472.9	460.1	438.8	407.4	390.3	391.7
50°	10402.0	7168.3	626.8	478.6	451.6	433.1	414.5	381.8	344.7	326.2	324.8
52.5°	10503.1	6934.6	545.6	433.1	411.7	390.3	366.1	321.9	280.6	260.7	257.8
55°	10540.1	6578.5	472.9	390.3	369.0	344.7	313.4	263.5	225.1	205.1	203.7
57.5°	10417.6	6047.2	416.0	351.9	326.2	296.3	257.8	210.8	173.8	158.1	158.1
60°	10145.5	5327.8	371.8	310.5	282.1	247.9	208.0	163.8	129.6	116.8	116.8
62.5°	9602.8	4396.1	330.5	267.8	240.7	205.1	168.1	123.9	91.2	84.0	85.5
65°	8578.5	3334.8	289.2	229.4	205.1	169.5	131.1	88.3	61.3	61.3	64.1
67.5°	6995.9	2316.3	246.4	195.2	176.6	138.2	99.7	61.3	42.7	48.4	54.1
70°	4631.2	1299.2	210.8	161.0	151.0	109.7	74.1	41.3	34.2	45.6	55.6
72.5°	1747.9	505.7	176.6	129.6	131.1	84.0	52.7	31.3	31.3	49.9	65.5
75°	487.2	247.9	126.8	95.4	102.6	61.3	38.5	27.1	29.9	57.0	76.9
77.5°	286.3	182.3	82.6	55.6	69.8	42.7	25.6	21.4	25.6	48.4	74.1
80°	230.8	96.9	48.4	28.5	38.5	24.2	17.1	12.8	7.1	18.5	38.5
82.5°	230.8	58.4	22.8	19.9	19.9	12.8	8.5	5.7	1.4	0.0	10.0
85°	155.3	24.2	14.2	12.8	10.0	4.3	2.8	1.4	0.0	0.0	0.0
87.5°	25.6	10.0	5.7	2.8	1.4	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)