

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: P268598

Luminaire Tested: **GAN-AF-06-LED-U-SL3-7027-1200**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P268598
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24288)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-AF-06-LED-U-SL3-7027-1200
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33932.7 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
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: 28.75 FT

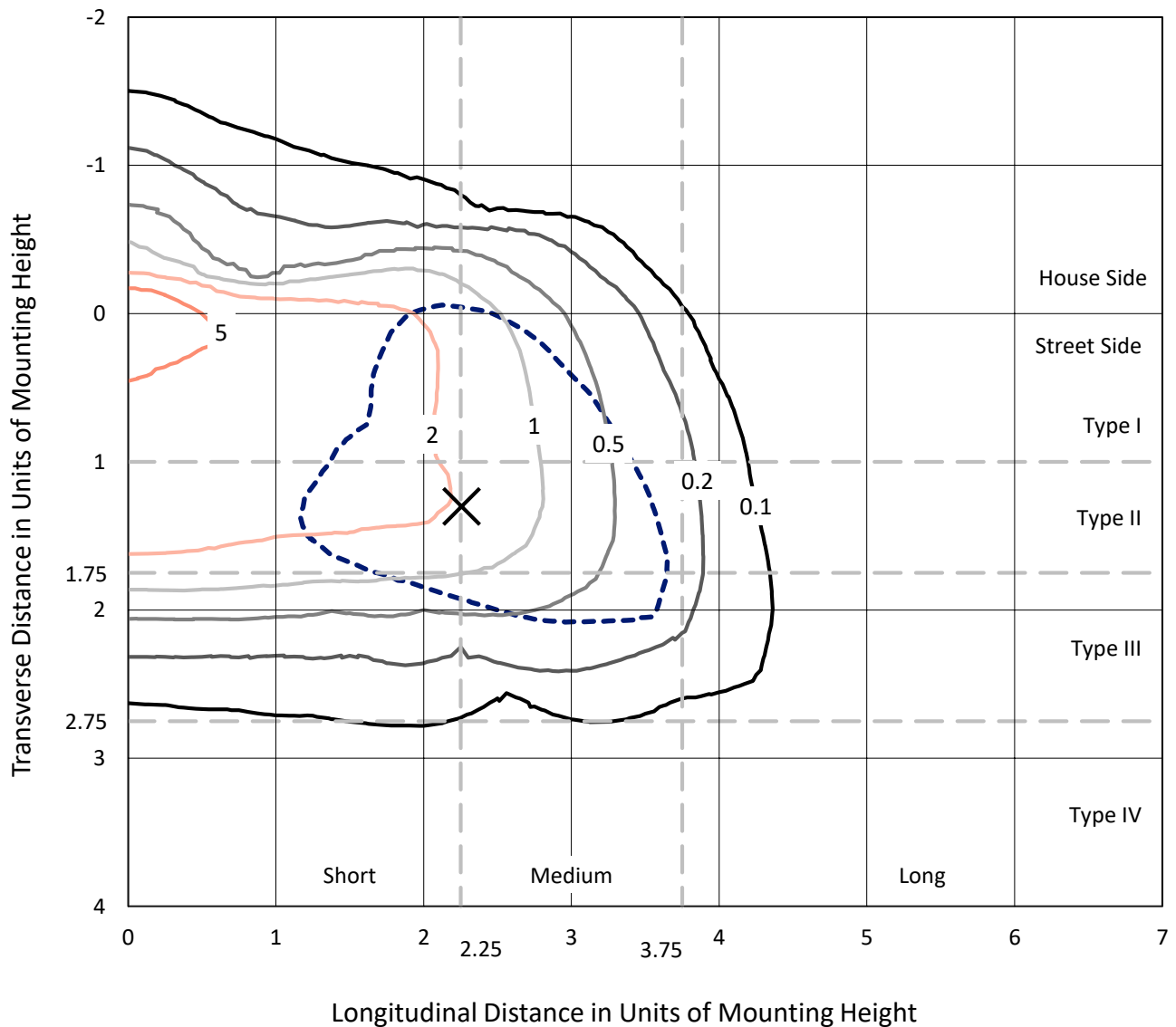


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

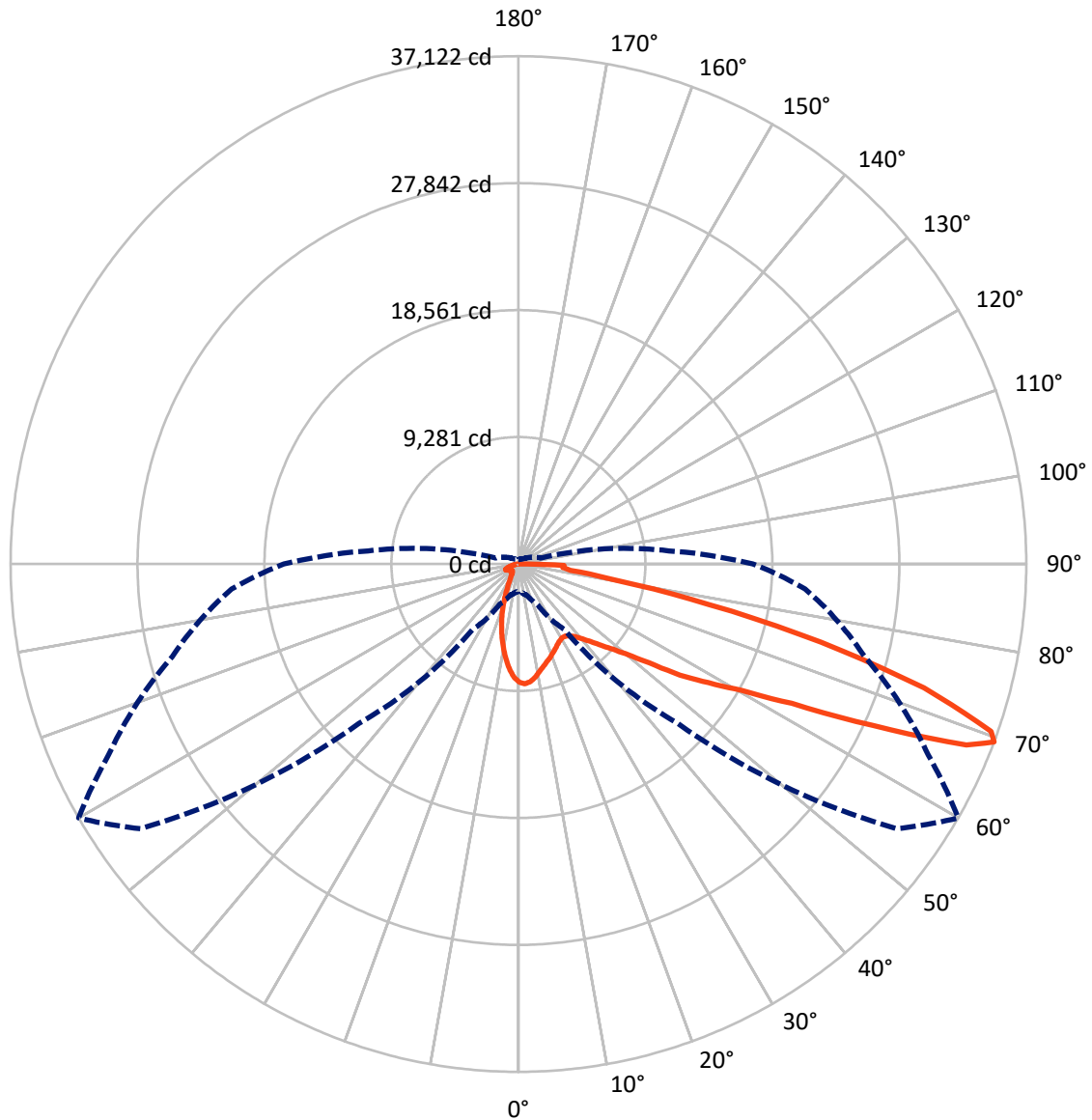


Based on 30 foot mounting height. Maximum calculated value = 9.6 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4827.5	0.0	4827.5
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	29105.2	0.0	29105.2
	% Fixture	85.8	0.0	85.8
Total	Lumens	33932.7	0.0	33932.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	731.1	2.2
10°-20°	1557.7	4.6
20°-30°	1984.7	5.8
30°-40°	2728.5	8.0
40°-50°	4427.3	13.0
50°-60°	7100.2	20.9
60°-70°	9449.8	27.8
70°-80°	5102.2	15.0
80°-90°	851.3	2.5
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°	33932.7	100.0
0°-180°	33932.7	100.0

Coefficient of Utilization



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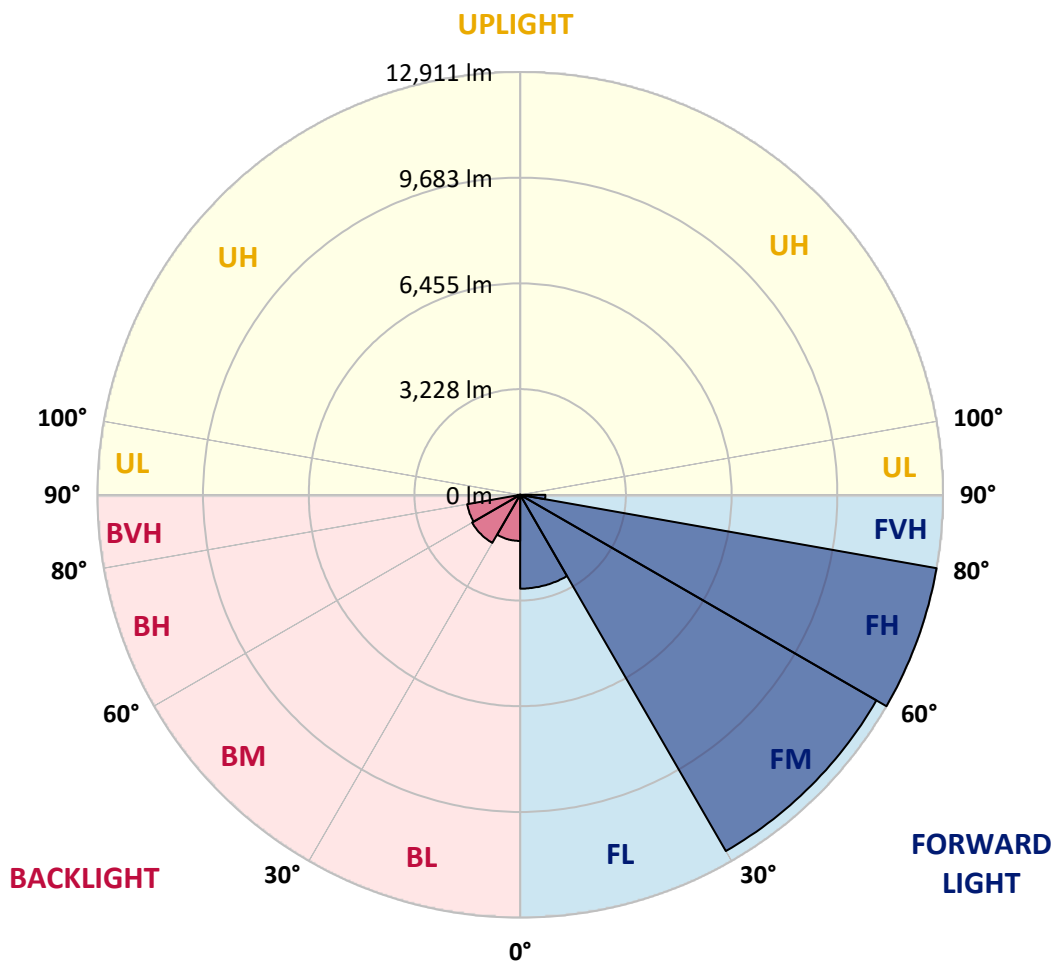
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2865.1	8.4			
FM (30°-60°)	12559.9	37.0			
FH (60°-80°)	12910.8	38.0			G5
FVH (80°-90°)	769.4	2.3			G5
BL (0°-30°)	1408.4	4.2	B3/2500		
BM (30°-60°)	1696.0	5.0	B2/2500		
BH (60°-80°)	1641.2	4.8	B3/2500		G3/2500
BVH (80°-90°)	82.0	0.2			G1/100
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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	8646.5	8646.5	8646.5	8646.5	8646.5	8646.5	8646.5	8646.5	8646.5	8646.5	8646.5
2.5°	8823.6	8843.3	8835.1	8830.2	8844.9	8822.0	8774.5	8759.7	8736.7	8682.7	8590.9
5°	8492.4	8551.5	8548.2	8592.5	8666.3	8685.9	8664.6	8667.8	8625.3	8558.1	8405.6
7.5°	7920.4	7945.0	7958.2	8054.8	8189.3	8297.5	8389.2	8418.7	8399.1	8341.8	8145.0
10°	7330.3	7350.0	7381.2	7494.3	7664.7	7813.8	7987.5	8087.6	8130.2	8120.4	7900.8
12.5°	6823.9	6843.5	6884.5	7012.3	7215.5	7399.2	7651.7	7776.2	7877.9	7938.4	7702.4
15°	6369.8	6412.5	6451.7	6599.3	6827.1	7068.0	7353.3	7510.6	7668.0	7804.0	7527.1
17.5°	6015.7	6058.3	6081.3	6215.7	6458.4	6753.4	7087.7	7272.9	7469.6	7692.5	7353.3
20°	5810.9	5830.4	5820.7	5896.0	6114.0	6427.2	6823.9	7038.6	7276.2	7587.7	7179.6
22.5°	5753.5	5755.1	5719.0	5710.9	5851.7	6115.8	6541.8	6802.5	7094.4	7518.9	7030.3
25°	5892.8	5887.9	5789.5	5709.2	5724.0	5878.0	6269.8	6573.1	6941.8	7504.1	6915.6
27.5°	6202.5	6217.3	6071.5	5920.6	5771.5	5766.6	6063.3	6382.8	6817.2	7571.3	6866.5
30°	6636.9	6661.6	6505.9	6314.0	6033.7	5802.6	5982.9	6269.8	6740.3	7710.6	6858.3
32.5°	7112.3	7138.6	7020.6	6818.9	6451.7	6025.7	6038.6	6279.6	6737.0	7905.7	6914.0
35°	7618.9	7648.3	7587.7	7417.2	7009.0	6437.0	6251.8	6438.6	6843.5	8204.0	7063.2
37.5°	8184.4	8230.2	8246.6	8084.3	7648.3	6979.6	6600.9	6740.3	7084.5	8618.7	7336.8
40°	8999.0	9062.9	9058.0	8825.3	8381.0	7712.3	7140.2	7176.3	7459.9	9172.8	7774.6
42.5°	10559.4	10572.6	10164.4	9657.9	9187.5	8482.6	7776.2	7746.7	7977.8	9874.3	8418.7
45°	12544.6	12490.5	11582.3	10603.8	10030.0	9367.9	8604.0	8459.7	8635.0	10730.0	9225.2
47.5°	14191.9	14067.3	12920.0	11569.2	10921.8	10330.0	9576.0	9323.6	9420.3	11700.3	10267.6
50°	14764.0	14670.5	13719.9	12372.4	11765.9	11503.6	10772.6	10415.3	10441.4	12857.6	11489.0
52.5°	14640.9	14627.9	13993.5	12901.8	12556.0	12736.3	12467.4	11983.8	11728.2	14142.6	12806.7
55°	14350.9	14378.7	14149.3	13518.1	13459.1	13926.3	14682.0	14324.6	13529.6	15439.3	14169.0
57.5°	13342.7	13414.8	13919.7	14293.6	14913.1	15608.1	16465.5	16363.7	15468.8	16840.7	15788.4
60°	10749.7	10916.8	12270.8	14142.6	16409.7	18583.1	18966.8	18730.6	17468.6	18580.0	17927.6
62.5°	7532.0	7705.8	9315.3	12244.5	16163.8	21943.4	23438.3	22420.4	20340.3	21141.9	20696.1
65°	4032.3	4115.9	5345.4	8495.8	13646.1	22636.7	29973.7	28424.7	24887.5	24300.6	23064.6
67.5°	2224.4	2270.2	2740.6	4289.6	8740.0	19933.8	34137.2	35307.5	30570.4	26403.6	22633.5
69°	2011.2	2053.9	2362.1	3248.8	5848.5	16481.8	33730.6	37122.1	33061.8	26195.5	21040.3
70°	1967.0	2006.4	2283.3	2994.8	4733.9	13585.3	32368.5	36658.3	33655.3	25449.6	19650.2
72.5°	1770.3	1812.9	2081.7	2689.9	4045.4	6773.0	25639.8	30994.8	30555.7	22066.4	14904.9
75°	1650.6	1690.0	2145.6	2634.1	3873.3	4286.4	16903.0	22843.4	22461.4	15435.9	8036.9
77.5°	706.4	703.3	995.0	2229.2	3930.8	4150.3	9082.7	14270.6	13019.9	6597.6	2307.9
80°	472.1	463.9	472.1	655.7	3604.4	4173.3	4758.5	7243.5	5471.5	1681.7	1137.6
82.5°	406.6	399.9	414.7	399.9	1267.1	4763.4	4045.4	3852.0	2601.3	955.6	563.9
85°	273.8	262.2	357.3	359.0	598.4	4232.4	4556.9	3253.8	2104.6	567.2	278.7
87.5°	131.2	127.9	208.1	254.1	350.8	1719.4	5112.6	3334.1	2122.8	290.2	132.8
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°	8646.5	8646.5	8646.5	8646.5	8646.5	8646.5	8646.5	8646.5	8646.5	8646.5	8646.5
2.5°	8563.1	8495.8	8430.2	8351.5	8269.5	8177.8	8131.8	8086.1	8074.5	8061.4	8015.4
5°	8327.0	8231.9	8067.9	7887.7	7697.4	7512.3	7371.3	7282.7	7215.5	7181.2	7120.5
7.5°	8022.0	7882.7	7595.9	7284.4	6964.7	6673.0	6420.5	6261.5	6110.8	6040.4	5960.0
10°	7731.9	7523.8	7077.8	6618.9	6159.9	5719.0	5304.3	5010.9	4750.2	4604.4	4501.1
12.5°	7482.8	7197.6	6579.5	5958.4	5328.9	4701.1	4079.9	3591.5	3183.2	2968.4	2858.6
15°	7240.2	6896.0	6105.9	5317.4	4509.3	3655.4	2839.1	2285.0	1947.3	1812.9	1767.1
17.5°	7020.6	6579.5	5630.5	4671.6	3663.6	2630.9	1908.0	1603.0	1473.6	1429.4	1414.7
20°	6782.8	6260.0	5137.1	3996.3	2781.6	1839.1	1490.0	1355.6	1303.1	1290.1	1283.5
22.5°	6553.3	5945.3	4665.1	3273.5	1998.1	1419.5	1280.2	1224.5	1216.2	1227.8	1227.8
25°	6358.4	5663.4	4155.3	2517.8	1467.0	1194.9	1145.8	1132.7	1163.8	1206.5	1214.6
27.5°	6212.4	5432.2	3612.8	1858.9	1168.8	1039.2	1037.6	1058.9	1135.9	1217.9	1234.4
30°	6112.4	5212.5	3032.5	1340.8	980.2	914.7	940.9	986.8	1099.9	1216.2	1247.3
32.5°	6061.7	5050.2	2427.6	1037.6	839.2	803.2	847.5	903.2	1014.6	1122.8	1163.8
35°	6101.0	4930.5	1857.2	865.4	740.9	713.1	759.0	813.1	878.6	924.4	955.6
37.5°	6248.5	4883.0	1401.4	775.3	673.6	647.5	683.5	714.7	740.9	753.9	768.8
40°	6566.5	4933.9	1122.8	729.5	636.0	603.2	617.9	629.4	645.8	658.9	665.6
42.5°	7035.3	5086.4	1006.5	711.4	616.3	568.7	565.6	570.5	591.8	616.3	621.3
45°	7691.0	5355.2	998.2	722.9	606.4	540.9	526.1	532.8	565.6	603.2	609.8
47.5°	8528.6	5765.0	1063.9	757.4	614.7	526.1	501.6	509.8	550.8	601.5	609.8
50°	9543.2	6337.1	1173.6	808.1	650.7	529.5	493.3	498.3	540.9	596.7	604.9
52.5°	10741.5	7148.4	1293.3	857.3	688.5	550.8	499.9	488.5	527.8	577.0	586.9
55°	12074.1	8189.3	1416.3	901.4	708.1	577.0	513.0	475.4	503.2	544.3	552.4
57.5°	13709.9	9644.8	1629.3	944.2	721.2	594.9	526.1	462.3	472.1	501.6	508.1
60°	15924.4	11703.6	2004.7	1014.6	750.8	601.5	524.5	450.8	441.0	457.3	460.7
62.5°	18578.2	13939.4	2317.7	1103.2	799.9	606.4	514.6	442.5	414.7	414.7	418.0
65°	20153.6	14537.7	2144.1	1176.9	841.0	601.5	503.2	434.4	395.1	377.0	378.6
67.5°	18817.5	12785.4	1837.6	1191.7	839.2	578.6	485.2	419.6	375.4	347.6	345.8
69°	17144.1	11031.5	1699.9	1152.3	799.9	549.1	462.3	403.2	360.6	331.1	329.5
70°	15795.0	9961.1	1609.7	1109.8	757.4	527.8	444.2	388.4	349.1	321.2	318.0
72.5°	11484.0	6527.2	1375.2	954.0	624.5	442.5	383.5	340.9	311.4	295.1	291.8
75°	5738.7	3112.7	1116.2	773.7	478.6	354.0	314.8	285.2	270.5	267.2	265.5
77.5°	1885.1	1426.1	798.2	577.0	355.6	276.9	254.1	232.8	229.4	239.3	236.1
80°	1035.9	829.5	506.6	381.9	242.6	203.2	200.1	188.6	193.4	209.8	206.5
82.5°	527.8	431.0	313.1	229.4	163.9	145.9	159.0	152.4	159.0	173.7	172.1
85°	260.6	236.1	198.3	139.3	108.2	93.5	113.0	117.9	121.4	132.8	132.8
87.5°	150.7	139.3	104.9	65.5	54.1	49.1	65.5	63.9	75.4	81.9	80.3
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)