

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: P528676

Luminaire Tested: **GLAN-SA3D-735-U-SL3-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528676  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA3D-735-U-SL3-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18200 lumens  
Efficiency: N/A  
Efficacy: 98.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2

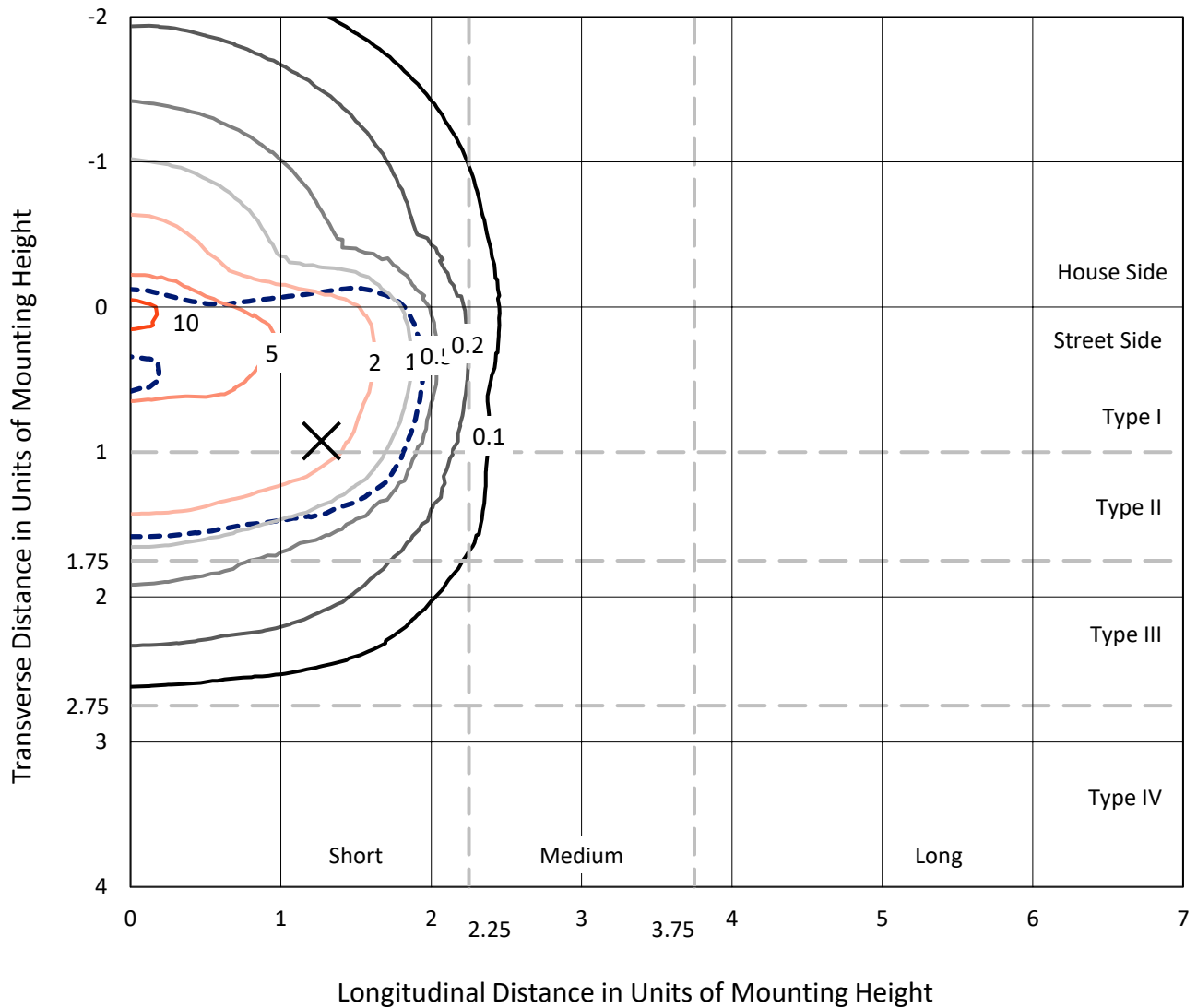
Input Watts (W): 184  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P528676  
 CATALOG NUMBER: GLAN-SA3D-735-U-SL3-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

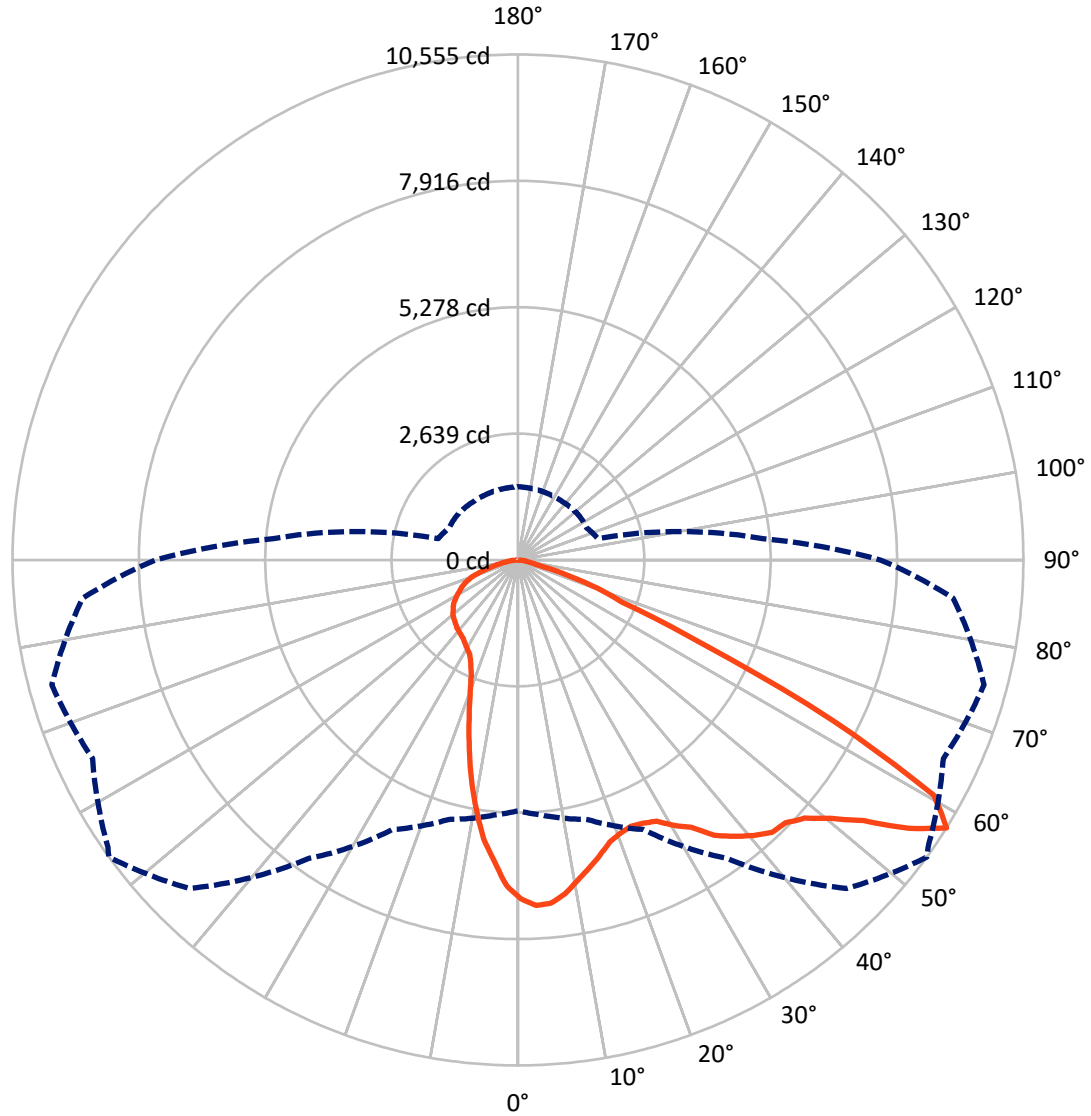
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 fc  
 Type II - Short - N/A

REPORT NUMBER: P528676  
CATALOG NUMBER: GLAN-SA3D-735-U-SL3-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P528676  
 CATALOG NUMBER: GLAN-SA3D-735-U-SL3-GRSWH

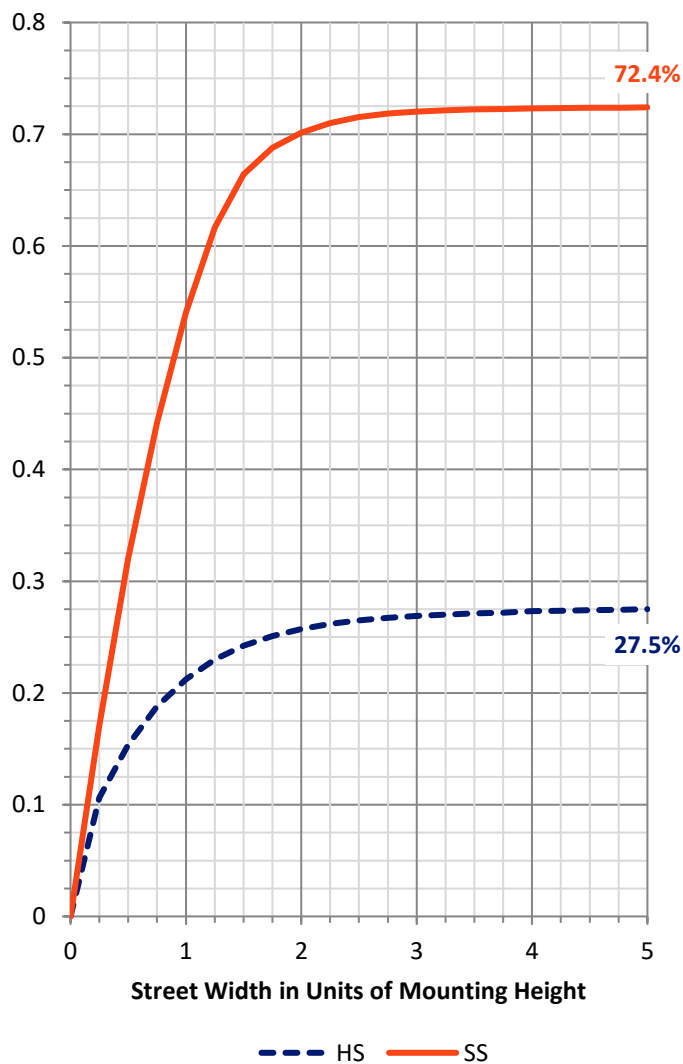
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5035.1	0.0	5035.1
	% Fixture	27.7	0.0	27.7
<b>Street Side</b>	Lumens	13164.9	0.0	13164.9
	% Fixture	72.3	0.0	72.3
<b>Total</b>	Lumens	18200.0	0.0	18200.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	610.1	3.4
10°-20°	1412.5	7.8
20°-30°	1984.6	10.9
30°-40°	2774.6	15.2
40°-50°	3756.2	20.6
50°-60°	4575.2	25.1
60°-70°	2383.0	13.1
70°-80°	610.6	3.4
80°-90°	93.1	0.5
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°	18200.0	100.0
0°-180°	18200.0	100.0

**Coefficient of Utilization**

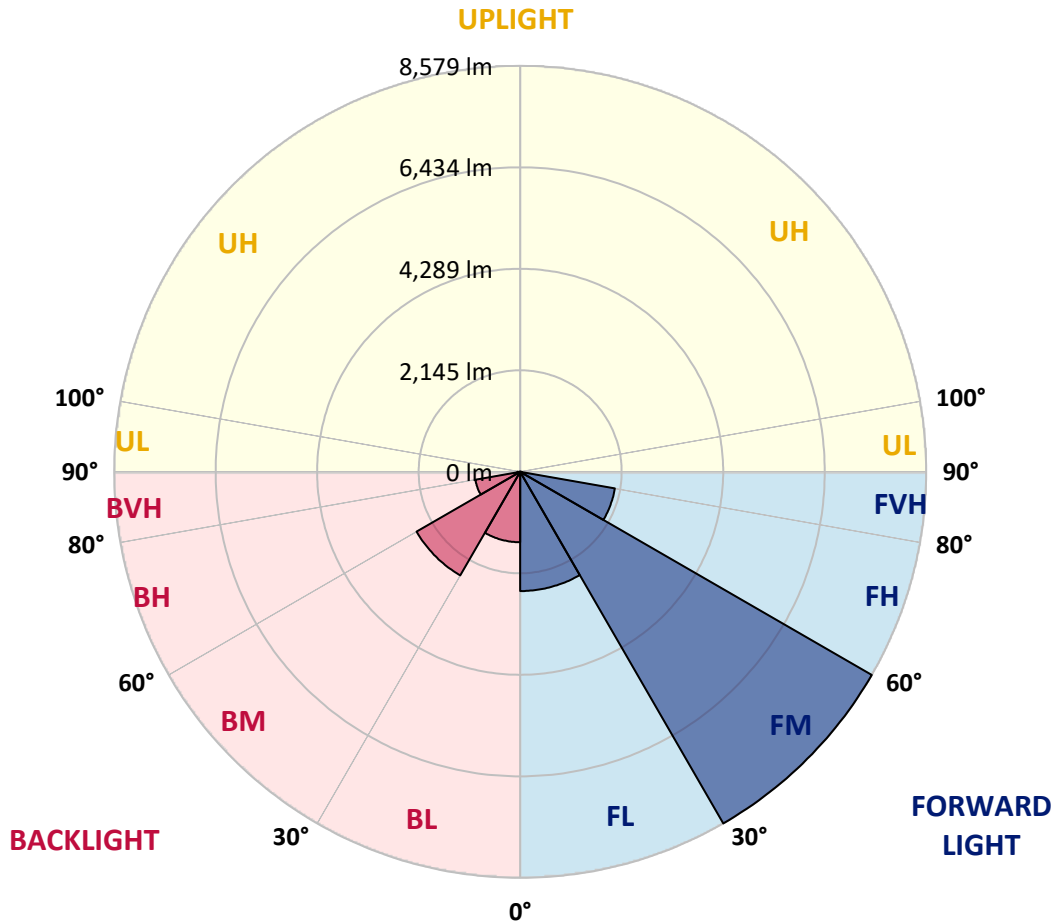


REPORT NUMBER: P528676  
 CATALOG NUMBER: GLAN-SA3D-735-U-SL3-GRSWH

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2519.1	13.8			
FM (30°-60°)	8578.9	47.1			
FH (60°-80°)	2031.6	11.2			G2/5000
FVH (80°-90°)	35.2	0.2			G1/100
BL (0°-30°)	1488.1	8.2	B3/2500		
BM (30°-60°)	2527.1	13.9	B3/5000		
BH (60°-80°)	962.0	5.3	B2/1000		G2/1000
BVH (80°-90°)	58.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**  
 Type II Short





REPORT NUMBER: P528676

CATALOG NUMBER: GLAN-SA3D-735-U-SL3-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	7074.1	7074.1	7074.1	7074.1	7074.1	7074.1	7074.1	7074.1	7074.1	7074.1	7074.1
2.5°	7275.3	7247.2	7251.9	7289.3	7242.6	7223.8	7223.8	7132.6	7139.6	7076.5	7060.1
5°	7106.9	7041.4	7085.8	7142.0	7151.3	7170.0	7200.5	7177.1	7111.6	7043.7	6933.8
7.5°	6667.1	6725.6	6741.9	6781.7	6865.9	6943.1	7039.0	6973.5	6971.2	6903.4	6837.9
10°	6281.1	6246.0	6334.9	6393.4	6533.7	6662.4	6809.8	6802.8	6837.9	6760.7	6648.4
12.5°	5897.4	5869.4	5911.5	6044.8	6241.3	6428.5	6603.9	6538.4	6725.6	6711.5	6470.6
15°	5490.4	5511.5	5572.3	5696.3	5953.6	6178.2	6400.4	6402.7	6568.8	6625.0	6302.2
17.5°	5205.0	5181.6	5258.8	5443.6	5672.9	5941.9	6194.5	6246.0	6501.0	6533.7	6250.7
20°	4992.1	5024.9	5125.5	5219.0	5483.4	5808.6	6094.0	6112.7	6487.0	6575.9	6168.8
22.5°	4940.7	4921.9	4954.7	5106.8	5324.3	5677.6	6040.1	6110.3	6484.6	6561.8	6014.4
25°	4886.9	4947.7	4945.3	5097.4	5256.5	5572.3	6084.6	6161.8	6608.6	6634.3	6035.5
27.5°	5008.5	5001.5	5067.0	5078.7	5275.2	5600.4	6178.2	6236.7	6814.5	6793.4	6051.8
30°	5130.1	5095.1	5134.8	5272.8	5364.1	5761.8	6435.5	6430.8	7081.1	7067.1	6103.3
32.5°	5279.9	5263.5	5289.2	5410.9	5565.3	5977.0	6653.1	6791.1	7352.5	7441.4	6281.1
35°	5307.9	5375.8	5436.6	5600.4	5820.3	6325.5	7062.4	7177.1	7666.0	7944.4	6620.3
37.5°	5485.7	5511.5	5654.2	5944.2	6145.4	6791.1	7322.1	7394.6	7951.4	8267.2	6978.2
40°	5675.2	5705.6	5920.8	6225.0	6501.0	7095.2	7565.4	7588.8	8042.6	8515.2	7212.2
42.5°	5932.5	5960.6	6173.5	6554.8	6924.4	7354.9	7780.6	7806.3	8035.6	8800.6	7584.1
45°	6199.2	6267.1	6517.4	6950.1	7282.3	7659.0	7829.7	7935.0	8101.1	9055.5	7885.9
47.5°	6573.5	6636.7	6842.5	7266.0	7654.3	7925.6	8056.6	8159.6	8257.8	9277.8	8080.0
50°	6971.2	6982.9	7233.2	7616.9	7902.3	8227.4	8480.1	8515.2	8463.7	9535.1	8409.9
52.5°	7263.6	7301.0	7495.2	7869.5	8295.3	8695.3	9041.5	9078.9	8978.3	9631.0	8522.2
55°	6779.4	6758.3	7074.1	7572.4	8559.6	9392.4	9895.4	9923.4	9352.6	9928.1	8889.5
57.5°	5240.1	5340.7	5609.7	6210.9	7605.2	9701.2	10555.1	10454.5	9801.8	10077.8	9123.4
60°	3808.4	3785.0	3965.2	4367.5	5731.4	8360.8	9979.6	10082.5	9434.5	9083.6	7523.3
62.5°	3102.0	3069.2	3083.2	3097.3	3698.5	5548.9	7387.6	7385.3	7266.0	6529.1	5074.0
65°	2479.7	2556.9	2563.9	2669.2	2746.4	3314.8	4281.0	4510.2	3927.7	3221.3	2337.0
67.5°	1869.1	1841.1	1934.6	2308.9	2454.0	2393.1	2337.0	2362.7	1679.6	1211.8	1141.6
70°	1101.8	1090.1	1202.4	1609.5	2021.2	1901.9	1761.5	1763.9	1153.3	846.8	942.7
72.5°	603.5	601.2	624.6	816.4	1148.6	1193.1	1057.4	1090.1	687.8	685.4	736.9
75°	336.9	329.8	322.8	360.3	414.1	437.5	446.8	451.5	472.5	528.7	549.7
77.5°	124.0	119.3	119.3	138.0	175.4	219.9	278.4	283.1	334.5	383.6	404.7
80°	42.1	46.8	63.2	86.6	117.0	156.7	189.5	194.2	236.3	269.0	276.0
82.5°	25.7	28.1	42.1	60.8	84.2	109.9	140.4	142.7	175.4	196.5	205.9
85°	11.7	14.0	23.4	37.4	53.8	72.5	74.9	74.9	72.5	74.9	70.2
87.5°	0.0	0.0	4.7	4.7	4.7	7.0	9.4	7.0	11.7	14.0	14.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P528676

CATALOG NUMBER: GLAN-SA3D-735-U-SL3-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7074.1	7074.1	7074.1	7074.1	7074.1	7074.1	7074.1	7074.1	7074.1	7074.1	7074.1
2.5°	7011.0	6985.2	6905.7	6835.5	6814.5	6720.9	6582.9	6599.2	6498.7	6545.4	6496.3
5°	6915.1	6828.5	6625.0	6538.4	6311.5	6208.6	6138.4	5963.0	5881.1	5864.7	5794.5
7.5°	6669.4	6615.6	6360.6	6126.7	5885.8	5679.9	5415.5	5235.4	5106.8	5071.7	4968.7
10°	6475.3	6356.0	6002.7	5647.1	5303.3	4945.3	4601.5	4332.4	4201.4	4049.4	3997.9
12.5°	6283.4	6103.3	5626.1	5169.9	4725.4	4274.0	3857.6	3530.0	3244.6	3176.8	3153.4
15°	6164.1	5850.7	5289.2	4739.5	4107.9	3518.4	3102.0	2886.7	2711.3	2638.8	2690.2
17.5°	6007.4	5642.5	4966.4	4234.2	3539.4	2996.7	2648.1	2514.8	2451.6	2458.6	2437.6
20°	5810.9	5446.0	4543.0	3775.7	3031.8	2599.0	2400.2	2351.0	2360.4	2376.8	2369.7
22.5°	5670.5	5207.3	4236.5	3307.8	2620.0	2379.1	2297.2	2262.1	2292.5	2306.6	2294.9
25°	5562.9	5003.8	3864.6	2893.8	2381.4	2255.1	2217.7	2215.3	2262.1	2280.8	2269.1
27.5°	5464.7	4814.3	3495.0	2577.9	2222.4	2159.2	2147.5	2175.6	2206.0	2224.7	2241.1
30°	5406.2	4669.3	3148.7	2313.6	2142.8	2112.4	2091.4	2117.1	2133.5	2152.2	2142.8
32.5°	5462.3	4566.4	2814.2	2163.9	2077.3	2046.9	2075.0	2058.6	2086.7	2103.1	2077.3
35°	5637.8	4475.1	2575.6	2084.3	2002.5	2014.2	2018.8	2011.8	2023.5	2009.5	2039.9
37.5°	5810.9	4442.4	2355.7	2016.5	1967.4	1967.4	1962.7	1948.7	1972.1	1967.4	1981.4
40°	6030.8	4463.4	2168.6	1944.0	1934.6	1929.9	1911.2	1908.9	1899.5	1901.9	1906.6
42.5°	6222.6	4510.2	2060.9	1897.2	1904.2	1913.6	1878.5	1850.4	1862.1	1838.7	1838.7
45°	6426.1	4552.3	1965.0	1864.4	1857.4	1855.1	1827.0	1810.6	1801.3	1803.6	1824.7
47.5°	6746.6	4613.2	1892.5	1820.0	1824.7	1789.6	1782.6	1761.5	1770.9	1784.9	1787.2
50°	6973.5	4741.8	1836.4	1768.5	1784.9	1761.5	1719.4	1710.0	1710.0	1733.4	1728.8
52.5°	7132.6	4921.9	1782.6	1712.4	1719.4	1700.7	1686.7	1665.6	1651.6	1684.3	1700.7
55°	7619.2	5221.4	1768.5	1665.6	1663.3	1644.5	1618.8	1597.8	1590.7	1595.4	1628.2
57.5°	7572.4	5127.8	1724.1	1583.7	1579.0	1553.3	1527.6	1520.6	1518.2	1522.9	1532.3
60°	6147.8	3787.4	1539.3	1490.2	1483.1	1478.5	1452.7	1424.7	1410.6	1424.7	1413.0
62.5°	4068.1	2535.8	1356.8	1377.9	1382.5	1370.8	1328.7	1300.7	1305.3	1321.7	1296.0
65°	1997.8	1490.2	1230.5	1286.6	1291.3	1258.6	1218.8	1186.0	1169.7	1183.7	1172.0
67.5°	1141.6	1139.3	1127.6	1186.0	1183.7	1150.9	1087.8	1059.7	1031.6	1036.3	1029.3
70°	968.5	987.2	1010.6	1045.7	1043.3	1005.9	931.1	910.0	870.2	865.6	853.9
72.5°	762.6	795.4	846.8	872.6	851.5	804.7	755.6	720.5	685.4	664.4	671.4
75°	566.1	612.9	641.0	657.4	624.6	598.9	559.1	517.0	474.9	456.2	449.2
77.5°	411.7	425.8	451.5	463.2	442.1	416.4	393.0	350.9	311.1	285.4	278.4
80°	287.7	297.1	315.8	315.8	315.8	304.1	273.7	231.6	205.9	182.5	177.8
82.5°	201.2	210.5	229.3	219.9	217.6	203.5	184.8	152.1	124.0	107.6	102.9
85°	70.2	77.2	93.6	112.3	119.3	117.0	105.3	84.2	65.5	53.8	49.1
87.5°	16.4	16.4	18.7	16.4	16.4	18.7	16.4	16.4	16.4	11.7	9.4
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)