

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: P532595

Luminaire Tested: **GLAN-SA8A-727-U-AFL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532595
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-27)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8A-727-U-AFL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23039 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

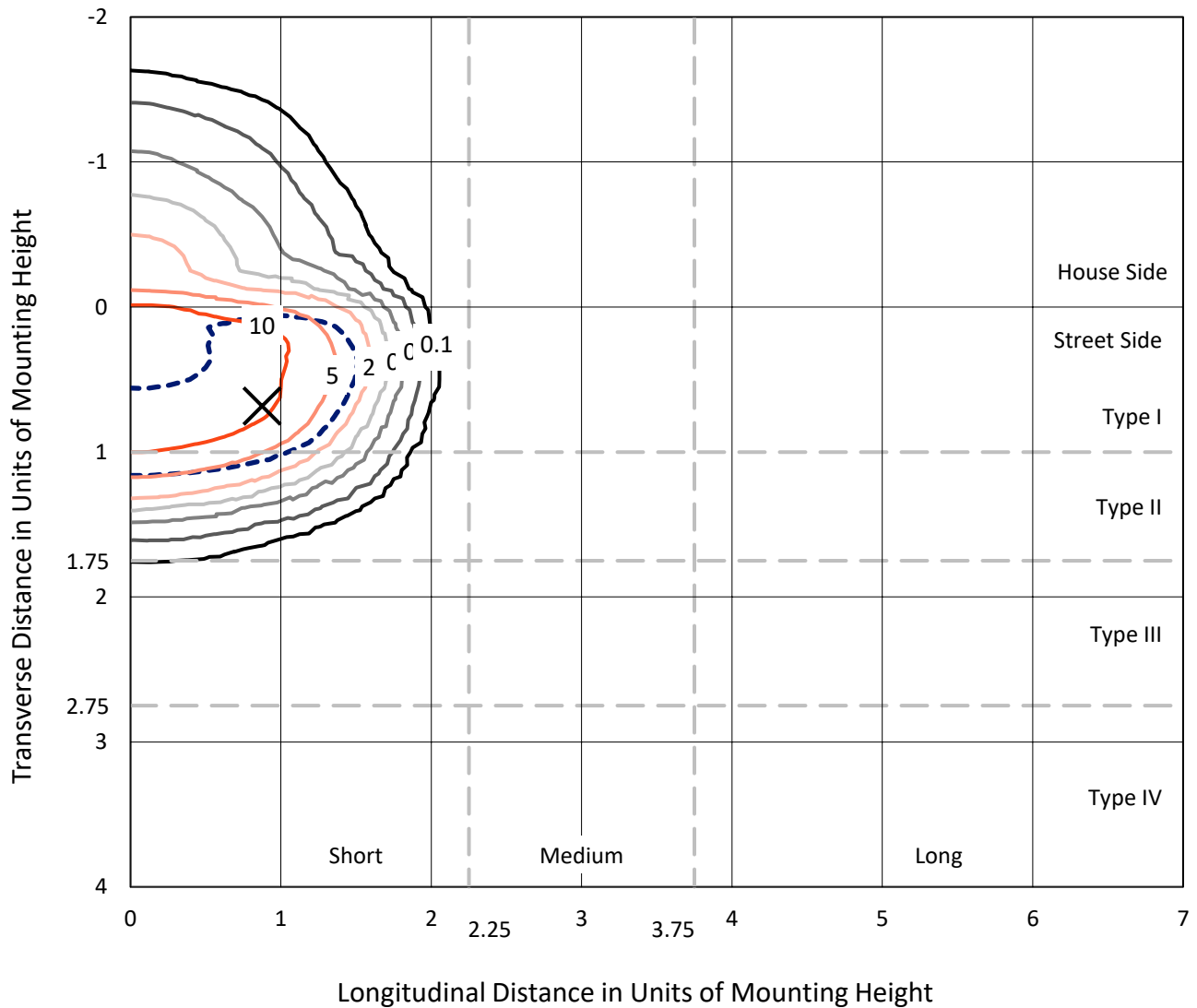
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

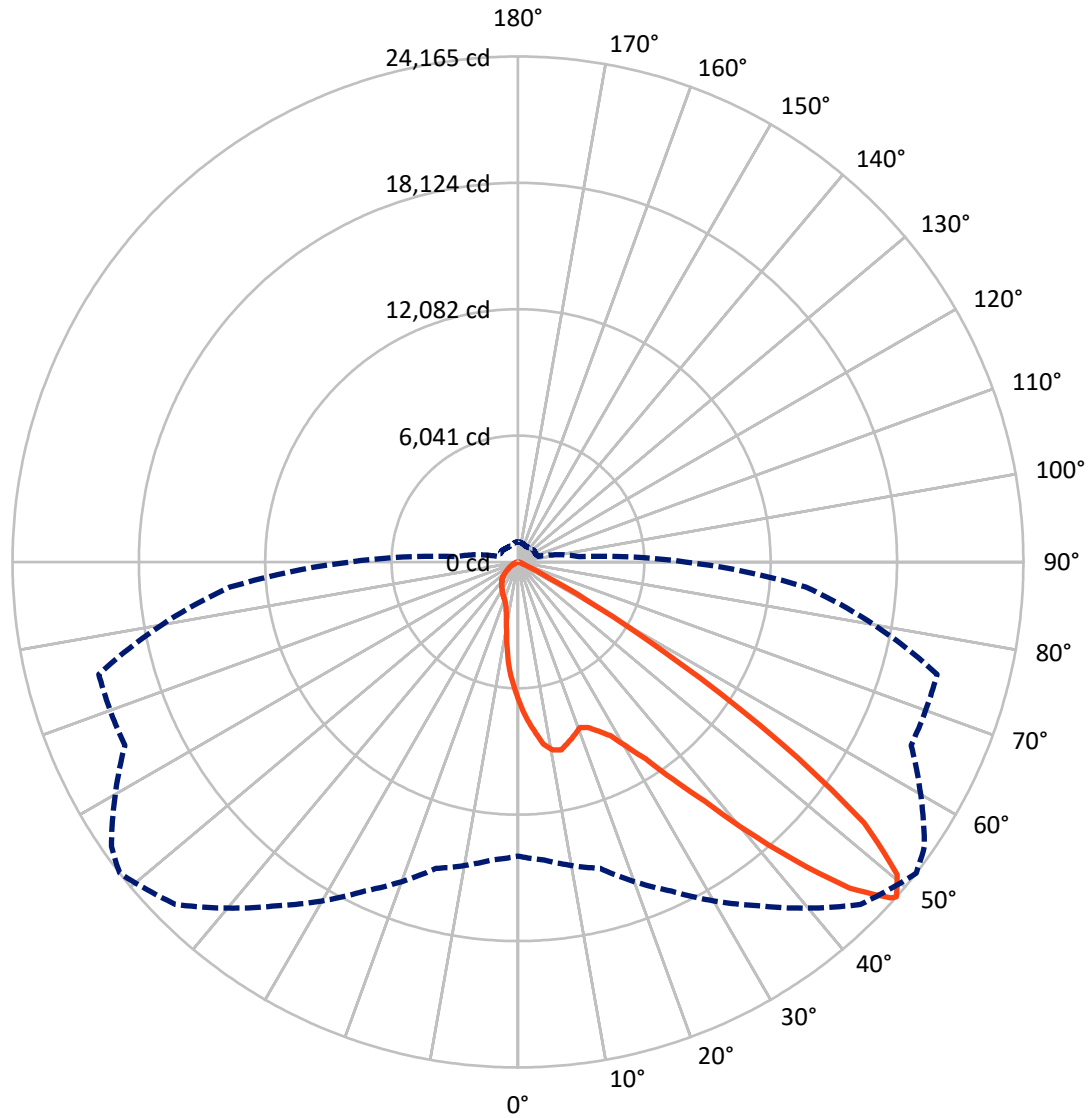
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 52-Deg Lateral - - - Horizontal Cone Through 48-Deg Vertical

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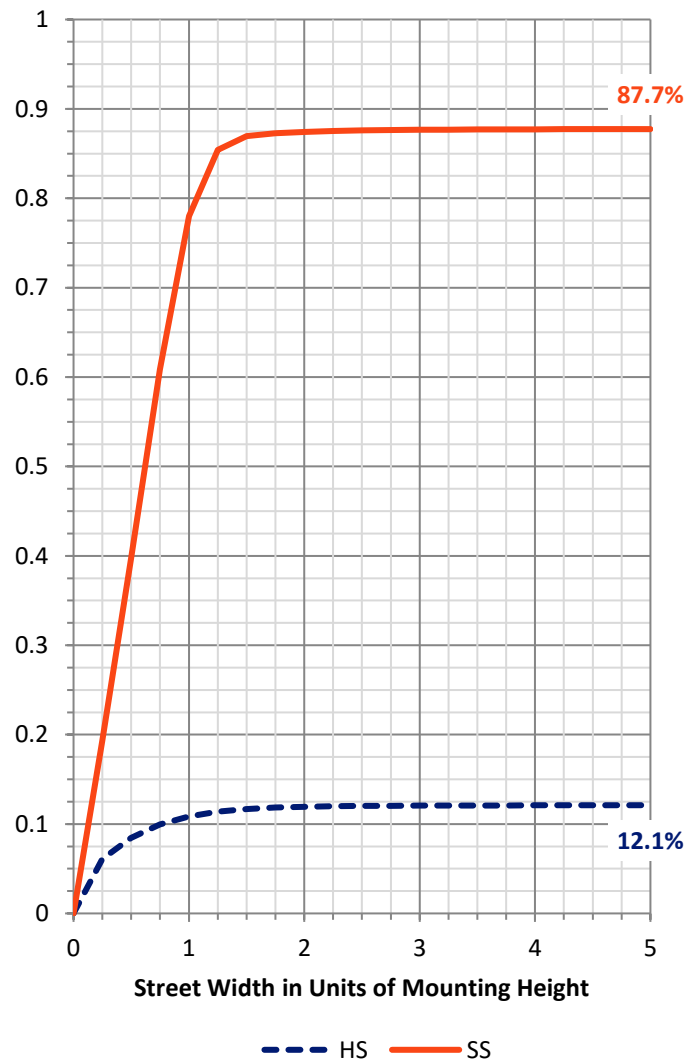
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2805.2	0.0	2805.2
	% Fixture	12.2	0.0	12.2
Street Side	Lumens	20233.8	0.0	20233.8
	% Fixture	87.8	0.0	87.8
Total	Lumens	23039.0	0.0	23039.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	609.0	2.6
10°-20°	1591.4	6.9
20°-30°	2717.3	11.8
30°-40°	5003.8	21.7
40°-50°	7770.9	33.7
50°-60°	4676.8	20.3
60°-70°	540.9	2.3
70°-80°	104.7	0.5
80°-90°	24.2	0.1
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°	23039.0	100.0
0°-180°	23039.0	100.0

Coefficient of Utilization

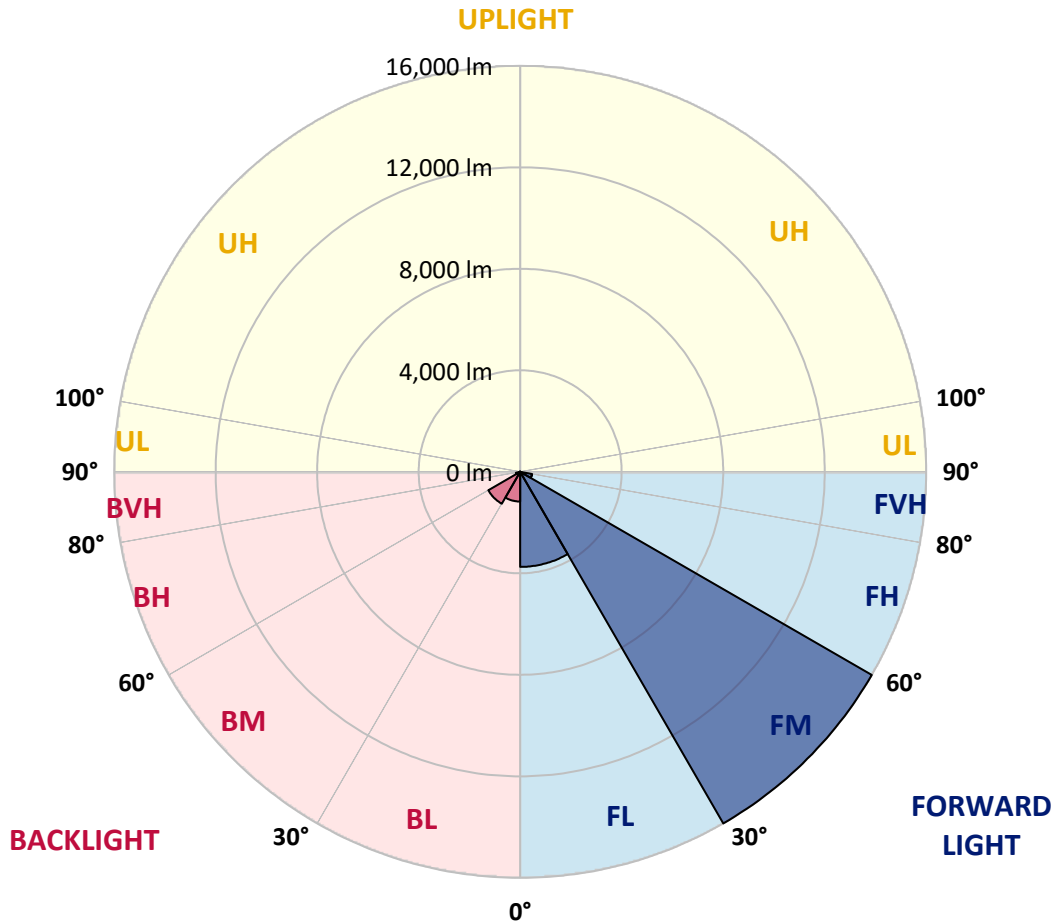


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3745.8	16.3			
FM (30°-60°)	16000.1	69.4			
FH (60°-80°)	476.3	2.1			G0/660
FVH (80°-90°)	11.5	0.1			G1/100
BL (0°-30°)	1171.8	5.1	B3/2500		
BM (30°-60°)	1451.4	6.3	B2/2500		
BH (60°-80°)	169.3	0.7	B1/500		G1/500
BVH (80°-90°)	12.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	52°	55°	65°	75°	85°
0°	6653.3	6653.3	6653.3	6653.3	6653.3	6653.3	6653.3	6653.3	6653.3	6653.3	6653.3
2.5°	8063.9	7879.1	7895.9	7775.0	7704.5	7590.3	7435.8	7405.6	7237.7	7009.3	6777.5
5°	8789.3	8745.7	8802.8	8628.1	8634.8	8446.7	8084.0	8090.7	7704.5	7331.7	6972.3
7.5°	8836.3	8735.6	8792.7	8947.2	9037.8	9004.3	8799.4	8621.4	8255.3	7707.9	7183.9
10°	7912.7	8104.2	8164.6	8419.9	8782.6	9165.5	9142.0	9152.0	8846.4	8131.0	7365.3
12.5°	7358.6	7231.0	7435.8	7590.3	8137.8	8880.0	9219.2	9293.1	9316.6	8540.8	7546.7
15°	7106.7	7106.7	7140.3	7183.9	7580.2	8265.4	8957.2	9172.2	9679.3	9078.2	7832.1
17.5°	7264.5	7257.8	7304.8	7214.2	7361.9	7889.2	8715.4	8960.6	10085.7	9605.4	8057.2
20°	7744.8	7768.3	7738.1	7476.1	7486.2	7882.5	8446.7	8833.0	10361.1	10062.2	8356.1
22.5°	8413.2	8426.6	8255.3	7969.8	7885.9	8080.7	8601.2	8896.8	10582.8	10609.6	8446.7
25°	9185.6	9131.9	9098.3	8695.3	8440.0	8608.0	8950.5	9121.8	10720.5	11079.8	8705.4
27.5°	10257.0	10149.5	9944.7	9585.3	9397.2	9158.8	9403.9	9686.0	11113.4	11738.1	8987.5
30°	11838.9	11744.8	11345.2	10881.7	10388.0	10152.9	10230.1	10384.6	11822.1	12500.5	9360.3
32.5°	14220.1	14021.9	13444.3	12561.0	11889.3	11241.1	11220.9	11385.5	12456.8	13555.1	9803.6
35°	16843.1	16782.7	15932.9	15022.8	13723.0	12722.2	12739.0	12826.3	13672.6	14938.8	10384.6
37.5°	18586.2	18918.7	18378.0	17400.6	16309.1	14878.4	14515.6	14545.9	15341.8	16577.8	11432.5
40°	19933.0	19650.9	19714.7	19486.3	18740.7	17766.7	16964.0	16806.2	17273.0	18391.4	12473.6
42.5°	19345.2	19358.7	19751.6	20292.3	20477.1	20406.5	19587.0	19288.1	18925.4	19875.9	13464.4
45°	17686.1	18032.0	18542.5	19973.3	21229.4	22408.2	22247.0	21749.9	20067.3	21051.4	14035.4
47.5°	15039.6	15026.1	15862.4	17723.0	20514.0	23274.7	24006.9	23657.6	20876.7	20920.4	13917.8
48°	14062.2	14304.0	15167.2	17357.0	20060.6	23147.1	24164.7	23724.8	20739.0	20745.7	13817.1
50°	10394.7	10351.0	11425.8	14112.6	17917.8	21749.9	23499.7	23842.3	20735.7	19862.4	13111.8
52.5°	5491.2	5679.3	6461.8	8873.3	12668.4	17800.3	20728.9	21263.0	20003.5	18418.3	12097.5
55°	2334.2	2109.2	2710.3	4006.7	7126.8	11892.6	15207.5	16396.4	16913.6	16299.0	10582.8
57.5°	832.9	910.2	1047.9	1508.0	2995.8	6508.9	9068.1	9991.7	11718.0	11959.8	7210.8
60°	534.0	544.1	587.7	691.9	1125.1	2508.8	4302.3	5037.8	5820.4	6008.4	3365.3
62.5°	413.1	416.5	436.6	453.4	534.0	974.0	1615.5	1914.4	1988.3	1709.5	883.3
65°	345.9	349.3	356.0	356.0	379.5	456.8	564.2	621.3	604.5	597.8	500.4
67.5°	265.3	272.0	285.5	285.5	298.9	278.8	312.3	332.5	376.2	456.8	426.5
70°	208.2	211.6	221.7	228.4	228.4	201.5	225.0	245.2	275.4	339.2	335.9
72.5°	161.2	167.9	174.6	174.6	164.6	137.7	161.2	178.0	198.2	235.1	228.4
75°	124.3	124.3	127.6	104.1	80.6	70.5	97.4	117.5	147.8	154.5	127.6
77.5°	33.6	36.9	33.6	30.2	33.6	50.4	63.8	73.9	94.0	94.0	84.0
80°	0.0	3.4	10.1	20.2	33.6	47.0	57.1	63.8	73.9	80.6	77.2
82.5°	0.0	3.4	10.1	20.2	30.2	36.9	50.4	53.7	60.5	70.5	70.5
85°	0.0	3.4	6.7	13.4	20.2	23.5	23.5	20.2	20.2	16.8	13.4
87.5°	0.0	0.0	3.4	6.7	6.7	10.1	10.1	10.1	10.1	10.1	10.1
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°	6653.3	6653.3	6653.3	6653.3	6653.3	6653.3	6653.3	6653.3	6653.3	6653.3	6653.3
2.5°	6686.9	6582.8	6424.9	6176.4	5937.9	5783.4	5635.6	5471.1	5380.4	5373.7	5323.3
5°	6767.5	6532.4	6156.2	5729.7	5272.9	4880.0	4483.7	4225.1	3993.3	3865.7	3842.2
7.5°	6811.1	6505.5	5897.6	5182.2	4403.1	3761.6	3318.2	2992.5	2864.8	2770.8	2767.4
10°	6901.8	6458.5	5511.4	4456.8	3492.9	2844.7	2539.1	2391.3	2320.8	2293.9	2253.6
12.5°	6969.0	6371.2	5115.1	3711.2	2760.7	2357.7	2223.4	2189.8	2193.1	2206.6	2189.8
15°	7063.0	6293.9	4581.1	3046.2	2317.4	2122.6	2122.6	2129.3	2176.3	2183.1	2179.7
17.5°	7056.3	6142.8	4030.3	2508.8	2048.7	2021.8	2031.9	2095.7	2126.0	2136.0	2112.5
20°	7136.9	6001.7	3462.7	2142.8	1897.6	1937.9	2005.1	2021.8	2058.8	2065.5	2038.6
22.5°	7113.4	5649.1	2935.4	1853.9	1783.4	1860.6	1927.8	1948.0	1937.9	1917.7	1914.4
25°	7069.7	5346.8	2451.7	1662.5	1699.4	1783.4	1847.2	1810.3	1790.1	1793.5	1796.8
27.5°	6992.5	4963.9	2052.1	1528.1	1585.2	1709.5	1706.1	1692.7	1712.9	1696.1	1712.9
30°	6979.1	4581.1	1722.9	1407.2	1501.3	1592.0	1598.7	1622.2	1645.7	1615.5	1645.7
32.5°	6999.2	4161.2	1487.8	1333.3	1450.9	1454.3	1528.1	1551.6	1534.9	1467.7	1474.4
35°	7153.7	3838.8	1316.6	1293.0	1370.3	1373.6	1444.2	1413.9	1340.1	1299.8	1323.3
37.5°	7479.5	3570.1	1235.9	1256.1	1262.8	1306.5	1309.8	1249.4	1256.1	1252.7	1266.2
40°	7895.9	3365.3	1178.8	1222.5	1215.8	1246.0	1125.1	1158.7	1188.9	1199.0	1205.7
42.5°	8181.4	3217.5	1141.9	1168.8	1155.3	1101.6	1034.4	1068.0	1091.5	1128.5	1135.2
45°	8309.0	3099.9	1098.2	1074.7	1074.7	977.3	950.5	957.2	1010.9	1051.2	1044.5
47.5°	8100.8	2985.7	1021.0	950.5	974.0	893.4	863.1	863.1	920.2	970.6	960.5
48°	8020.2	2938.7	1024.4	923.6	940.4	879.9	849.7	843.0	906.8	953.8	953.8
50°	7620.5	2764.1	937.0	849.7	816.1	809.4	789.3	796.0	836.3	879.9	879.9
52.5°	6841.4	2387.9	792.6	728.8	668.4	708.7	718.7	705.3	725.4	765.7	762.4
55°	5709.5	1833.8	634.8	604.5	557.5	601.2	621.3	604.5	584.4	614.6	614.6
57.5°	3657.5	987.4	507.1	513.9	466.8	510.5	527.3	487.0	450.0	473.6	470.2
60°	1649.0	591.1	416.5	406.4	376.2	426.5	453.4	406.4	356.0	372.8	389.6
62.5°	618.0	419.8	315.7	309.0	302.3	349.3	362.7	325.8	275.4	285.5	288.8
65°	453.4	369.4	251.9	228.4	241.8	275.4	268.7	231.7	198.2	198.2	204.9
67.5°	386.2	322.4	204.9	178.0	178.0	181.4	167.9	147.8	137.7	144.4	151.1
70°	302.3	255.2	161.2	137.7	124.3	110.8	97.4	94.0	84.0	94.0	90.7
72.5°	194.8	171.3	124.3	104.1	94.0	77.2	63.8	60.5	50.4	47.0	47.0
75°	104.1	104.1	97.4	84.0	73.9	60.5	50.4	40.3	26.9	20.2	20.2
77.5°	73.9	80.6	87.3	80.6	67.2	50.4	40.3	26.9	13.4	6.7	6.7
80°	70.5	80.6	87.3	77.2	67.2	50.4	36.9	20.2	10.1	3.4	3.4
82.5°	63.8	73.9	80.6	70.5	60.5	43.7	33.6	20.2	10.1	3.4	3.4
85°	13.4	16.8	20.2	20.2	23.5	30.2	23.5	16.8	6.7	3.4	3.4
87.5°	10.1	10.1	10.1	10.1	10.1	10.1	6.7	6.7	3.4	3.4	3.4
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)