

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: P402609

Luminaire Tested: **GAN-AF-06-LED-U-SL2-AMB-HSS**

Issue Date: 6/8/2020

Test Information

Test Method: LM-79-08
Report Number: P402609
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2003-697-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/8/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-AF-06-LED-U-SL2-AMB-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) NARROW BAND AMBER, 500mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4711 lumens
Efficiency: N/A
Efficacy: 39.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

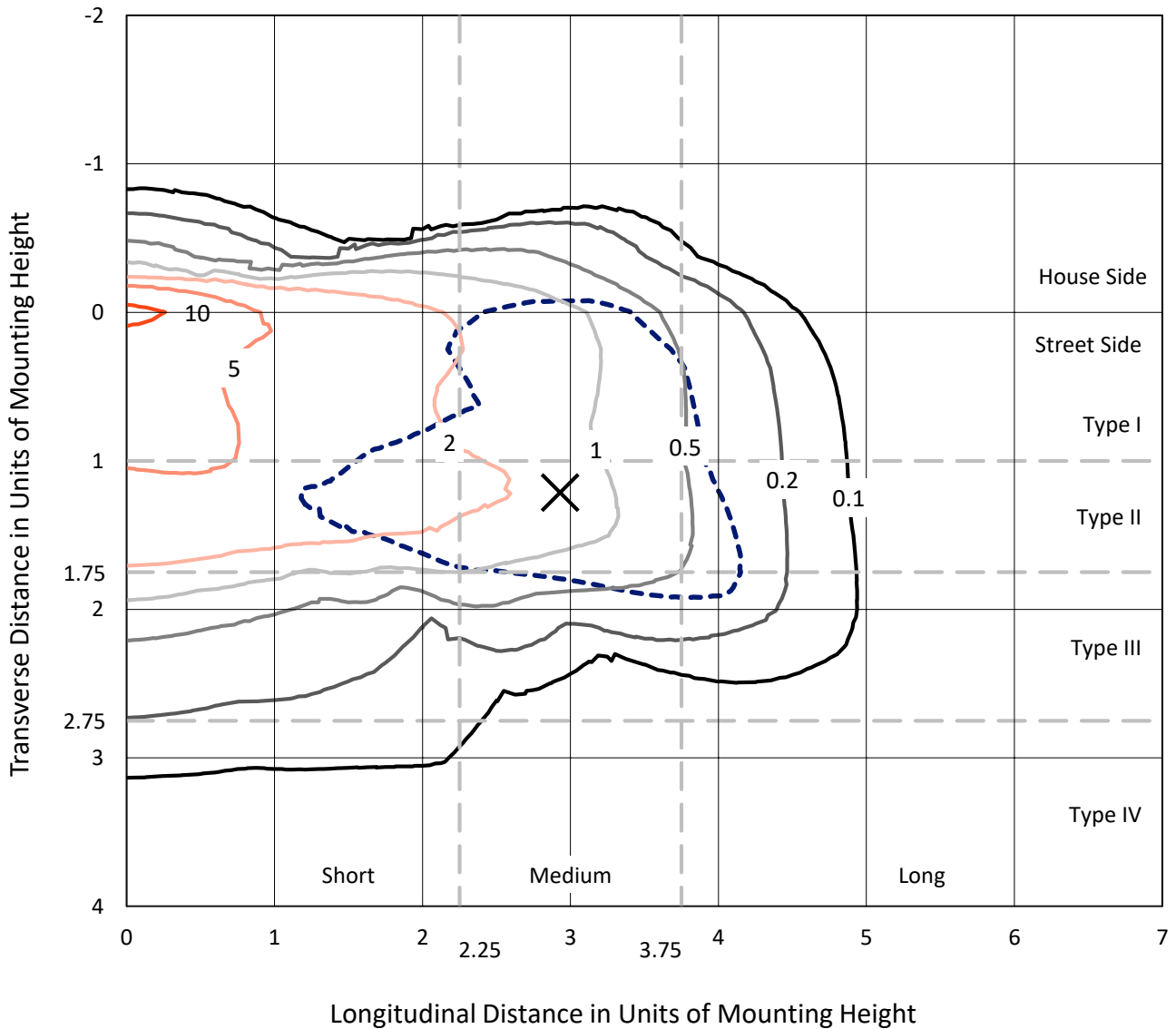
Input Watts (W): 119
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

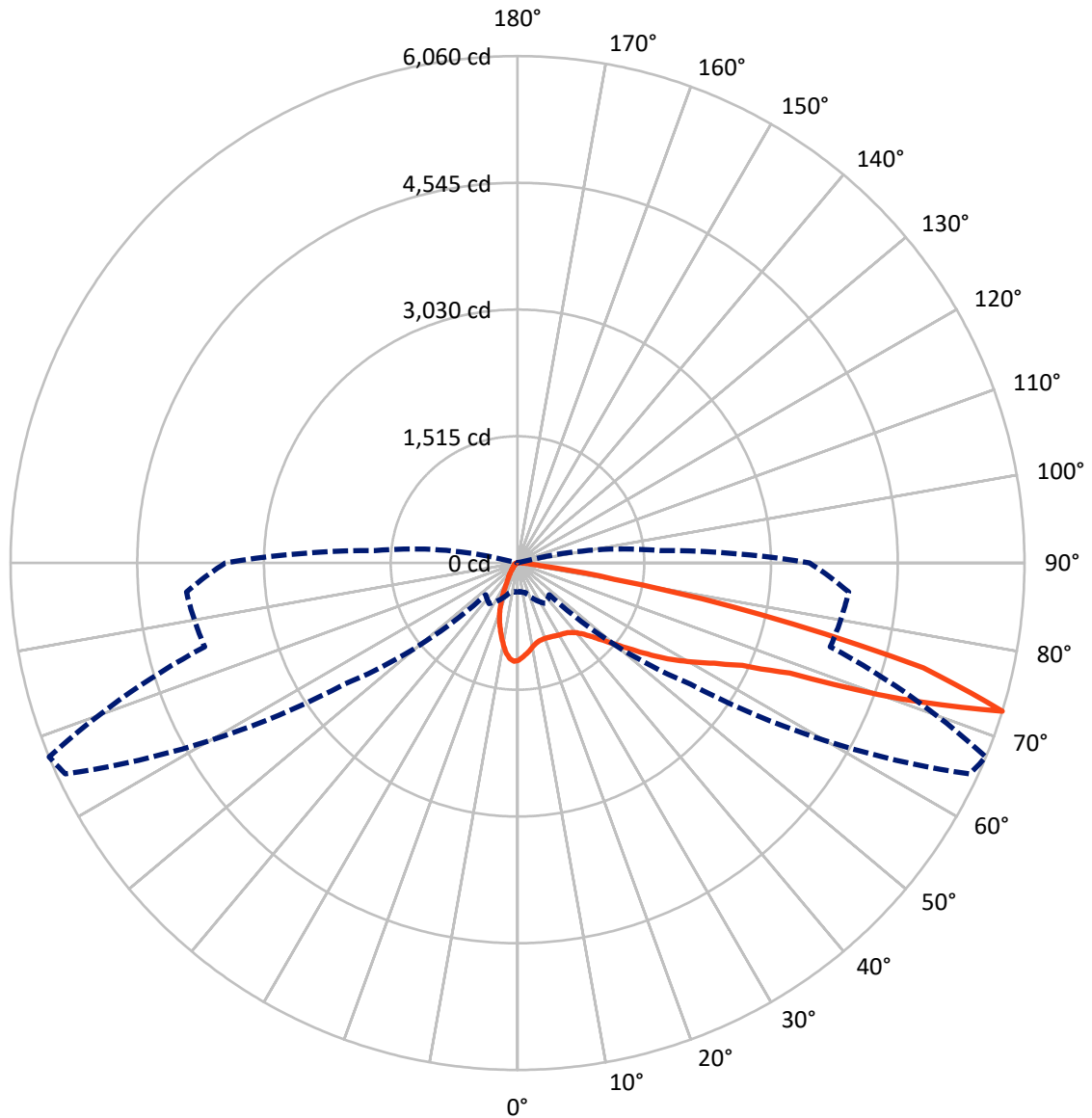
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.6 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical



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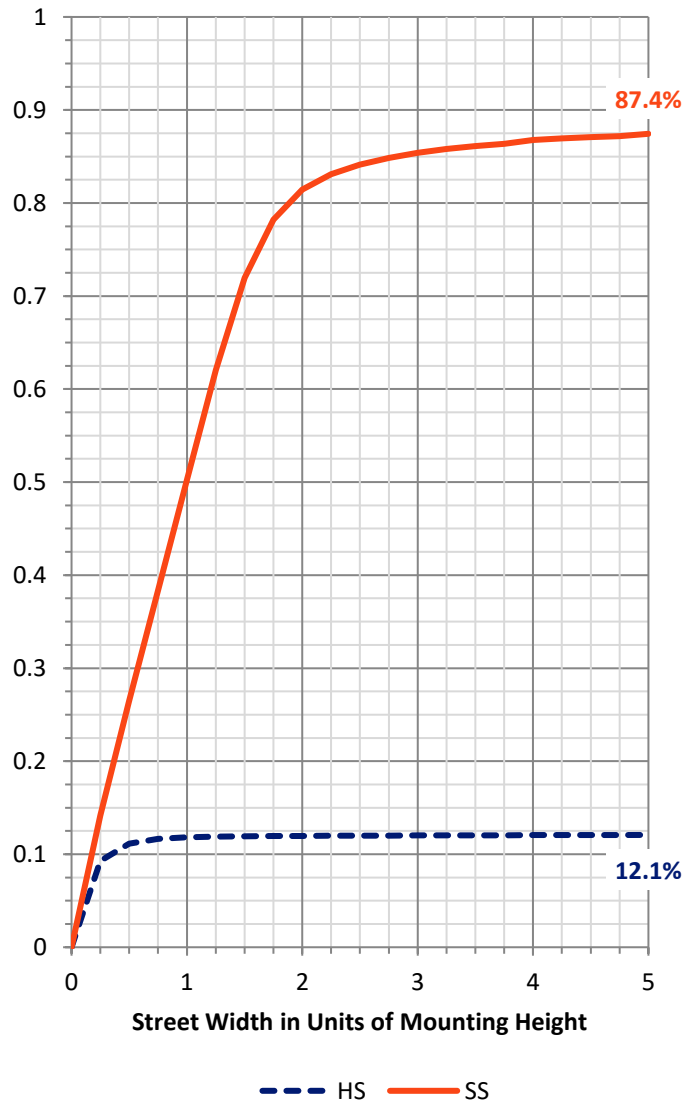
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	574.7	0.0	574.7
	% Fixture	12.2	0.0	12.2
Street Side	Lumens	4136.4	0.0	4136.4
	% Fixture	87.8	0.0	87.8
Total	Lumens	4711.0	0.0	4711.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.1	2.0
10°-20°	202.5	4.3
20°-30°	286.1	6.1
30°-40°	409.8	8.7
40°-50°	618.3	13.1
50°-60°	991.2	21.0
60°-70°	1171.8	24.9
70°-80°	856.0	18.2
80°-90°	79.2	1.7
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°	4711.0	100.0
0°-180°	4711.0	100.0



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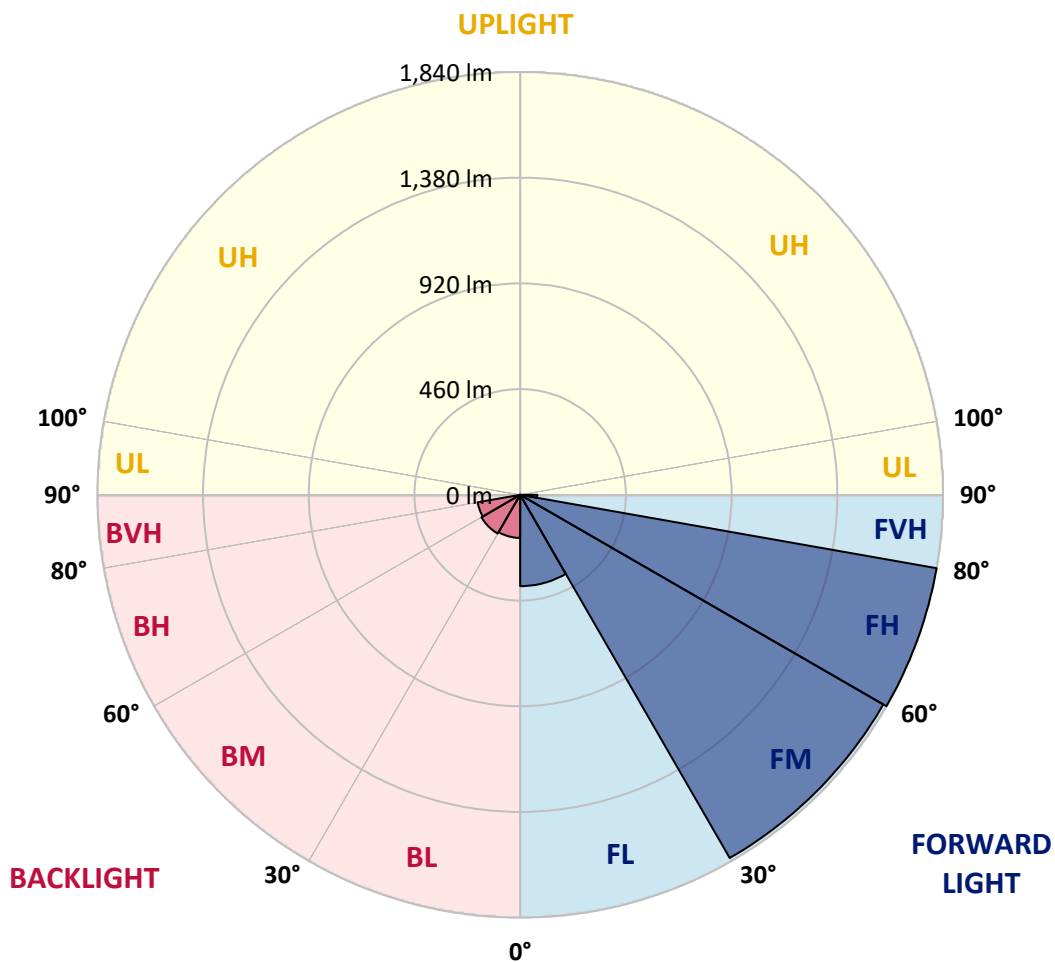
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	397.4	8.4			
FM	(30°-60°)	1824.7	38.7			
FH	(60°-80°)	1840.0	39.1			G2/5000
FVH	(80°-90°)	74.2	1.6			G1/100
BL	(0°-30°)	187.4	4.0	B1/500		
BM	(30°-60°)	194.6	4.1	B0/220		
BH	(60°-80°)	187.8	4.0	B1/500		G1/500
BVH	(80°-90°)	4.9	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2
2.5°	1091.6	1096.8	1096.8	1104.6	1107.2	1109.8	1125.3	1130.5	1127.9	1143.5	1153.9
5°	1019.0	1019.0	1024.2	1037.2	1047.6	1055.3	1073.5	1089.0	1091.6	1109.8	1138.3
7.5°	959.4	964.6	964.6	972.4	987.9	1000.9	1024.2	1050.1	1055.3	1078.7	1112.4
10°	912.7	910.1	917.9	925.7	938.7	951.6	977.5	1006.1	1016.4	1042.4	1081.3
12.5°	868.6	871.2	873.8	886.8	902.3	915.3	941.2	975.0	985.3	1019.0	1065.7
15°	842.7	842.7	845.3	853.1	868.6	886.8	917.9	954.2	967.2	1006.1	1060.5
17.5°	834.9	834.9	832.3	834.9	847.9	866.0	902.3	946.4	959.4	1000.9	1068.3
20°	837.5	837.5	832.3	829.7	837.5	855.7	897.2	943.8	959.4	1008.7	1089.0
22.5°	853.1	850.5	845.3	837.5	837.5	855.7	899.8	949.0	964.6	1019.0	1107.2
25°	892.0	881.6	876.4	860.9	850.5	858.3	902.3	956.8	972.4	1026.8	1133.1
27.5°	928.3	925.7	925.7	910.1	876.4	868.6	912.7	969.8	982.7	1037.2	1166.8
30°	990.5	985.3	985.3	967.2	925.7	889.4	923.1	980.1	995.7	1045.0	1200.5
32.5°	1068.3	1070.9	1065.7	1042.4	990.5	928.3	941.2	993.1	1006.1	1050.1	1234.2
35°	1153.9	1156.5	1169.4	1143.5	1076.1	987.9	969.8	1016.4	1024.2	1060.5	1260.2
37.5°	1223.9	1223.9	1257.6	1262.8	1179.8	1060.5	1016.4	1055.3	1052.7	1073.5	1286.1
40°	1301.7	1301.7	1340.6	1371.7	1312.0	1159.1	1076.1	1102.0	1096.8	1102.0	1322.4
42.5°	1384.6	1389.8	1431.3	1485.8	1454.6	1286.1	1161.6	1174.6	1164.2	1148.7	1361.3
45°	1465.0	1478.0	1535.0	1607.6	1605.0	1436.5	1273.1	1275.7	1257.6	1226.5	1441.7
47.5°	1558.4	1568.7	1649.1	1739.9	1763.2	1607.6	1415.8	1405.4	1382.0	1332.8	1550.6
50°	1716.5	1721.7	1778.8	1885.1	1929.2	1796.9	1576.5	1558.4	1532.4	1470.2	1698.4
52.5°	1905.8	1903.2	1929.2	2040.7	2159.9	2017.3	1786.5	1760.6	1719.1	1638.7	1879.9
55°	1988.8	1996.6	2035.5	2170.3	2401.1	2338.8	2022.5	1986.2	1942.1	1838.4	2066.6
57.5°	1843.6	1843.6	1921.4	2134.0	2535.9	2764.1	2287.0	2229.9	2175.5	2043.2	2279.2
60°	1475.4	1472.8	1566.1	1822.8	2434.8	3134.9	2655.2	2484.1	2401.1	2224.8	2491.8
62.5°	1034.6	1013.8	1055.3	1270.5	1994.0	3140.1	3342.3	2748.5	2637.0	2411.4	2717.4
65°	741.6	728.6	736.4	796.0	1143.5	2839.3	4102.1	3150.4	2950.8	2608.5	2989.7
67.5°	606.8	591.2	588.6	661.2	658.6	1879.9	4330.2	3943.9	3508.3	2896.3	3298.2
70°	484.9	477.1	474.5	578.2	609.3	611.9	4037.2	5639.7	4867.0	3324.2	3710.5
72.5°	344.9	344.9	365.6	479.7	591.2	536.7	2525.5	5963.8	6059.7	3871.3	3972.4
75°	207.4	204.8	256.7	381.2	570.5	518.6	780.5	4921.4	5009.6	3625.0	3072.7
77.5°	98.5	98.5	142.6	256.7	505.6	487.5	446.0	2943.0	2963.7	2201.4	1558.4
80°	38.9	38.9	62.2	158.2	383.8	482.3	414.9	1213.5	1169.4	606.8	215.2
82.5°	15.6	15.6	25.9	88.2	238.6	396.7	368.2	401.9	300.8	70.0	57.0
85°	2.6	5.2	10.4	51.9	134.8	210.0	298.2	248.9	158.2	41.5	41.5
87.5°	0.0	2.6	5.2	15.6	38.9	88.2	150.4	114.1	72.6	13.0	18.2
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°	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2	1164.2
2.5°	1156.5	1161.6	1172.0	1177.2	1179.8	1169.4	1169.4	1159.1	1156.5	1156.5	1156.5
5°	1143.5	1153.9	1161.6	1143.5	1115.0	1078.7	1037.2	1011.3	985.3	990.5	980.1
7.5°	1127.9	1140.9	1130.5	1070.9	998.3	930.9	858.3	816.8	767.5	762.3	749.4
10°	1104.6	1117.6	1078.7	975.0	863.5	764.9	658.6	593.8	541.9	500.4	490.1
12.5°	1099.4	1107.2	1016.4	873.8	728.6	588.6	451.2	329.3	256.7	220.4	220.4
15°	1102.0	1102.0	959.4	772.7	583.4	388.9	217.8	158.2	132.2	129.6	127.1
17.5°	1115.0	1099.4	902.3	674.2	427.8	202.3	129.6	119.3	114.1	114.1	114.1
20°	1138.3	1099.4	853.1	570.5	269.7	127.1	111.5	106.3	103.7	101.1	101.1
22.5°	1161.6	1089.0	790.9	451.2	155.6	106.3	98.5	95.9	90.8	88.2	88.2
25°	1187.6	1078.7	731.2	324.1	108.9	93.3	85.6	80.4	75.2	72.6	72.6
27.5°	1210.9	1068.3	661.2	204.8	95.9	83.0	75.2	67.4	59.6	57.0	57.0
30°	1226.5	1050.1	593.8	129.6	85.6	75.2	64.8	54.5	46.7	44.1	44.1
32.5°	1229.1	1026.8	510.8	95.9	77.8	64.8	51.9	44.1	38.9	36.3	36.3
35°	1221.3	998.3	420.1	85.6	70.0	57.0	44.1	36.3	31.1	31.1	31.1
37.5°	1210.9	969.8	326.7	77.8	62.2	49.3	36.3	31.1	28.5	25.9	25.9
40°	1208.3	941.2	217.8	72.6	57.0	41.5	31.1	25.9	23.3	20.7	20.7
42.5°	1216.1	920.5	153.0	67.4	49.3	36.3	28.5	23.3	18.2	18.2	15.6
45°	1255.0	915.3	111.5	62.2	44.1	31.1	23.3	18.2	15.6	13.0	13.0
47.5°	1319.8	925.7	90.8	57.0	38.9	25.9	20.7	15.6	13.0	10.4	10.4
50°	1413.2	964.6	83.0	51.9	31.1	23.3	15.6	13.0	10.4	10.4	10.4
52.5°	1558.4	1026.8	77.8	46.7	25.9	18.2	13.0	10.4	7.8	7.8	7.8
55°	1713.9	1099.4	75.2	41.5	23.3	15.6	10.4	7.8	7.8	5.2	5.2
57.5°	1892.9	1195.4	70.0	36.3	20.7	15.6	10.4	7.8	5.2	5.2	5.2
60°	2118.4	1325.0	62.2	31.1	18.2	13.0	7.8	5.2	5.2	5.2	5.2
62.5°	2351.8	1459.8	54.5	25.9	15.6	10.4	7.8	5.2	5.2	5.2	5.2
65°	2637.0	1615.4	46.7	20.7	13.0	10.4	7.8	5.2	5.2	2.6	2.6
67.5°	2981.9	1773.6	36.3	18.2	13.0	7.8	7.8	5.2	5.2	2.6	2.6
70°	3422.7	1975.8	31.1	15.6	10.4	7.8	7.8	5.2	5.2	2.6	2.6
72.5°	3490.1	1706.2	25.9	15.6	10.4	7.8	7.8	5.2	5.2	2.6	2.6
75°	2385.5	814.2	23.3	13.0	10.4	10.4	7.8	5.2	5.2	2.6	2.6
77.5°	1039.8	191.9	20.7	13.0	10.4	10.4	10.4	7.8	5.2	2.6	2.6
80°	121.9	36.3	18.2	13.0	10.4	13.0	10.4	7.8	5.2	2.6	2.6
82.5°	49.3	23.3	18.2	15.6	13.0	10.4	10.4	7.8	5.2	2.6	2.6
85°	36.3	18.2	18.2	18.2	13.0	7.8	7.8	5.2	5.2	2.6	2.6
87.5°	18.2	7.8	5.2	5.2	5.2	5.2	5.2	2.6	2.6	2.6	2.6
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)