

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: P323235

Luminaire Tested: **GAN-SA1B-750-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323235
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1B-750-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K, 800mA LIGHTSQUARE WITH 16 LEDS 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: 4956 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

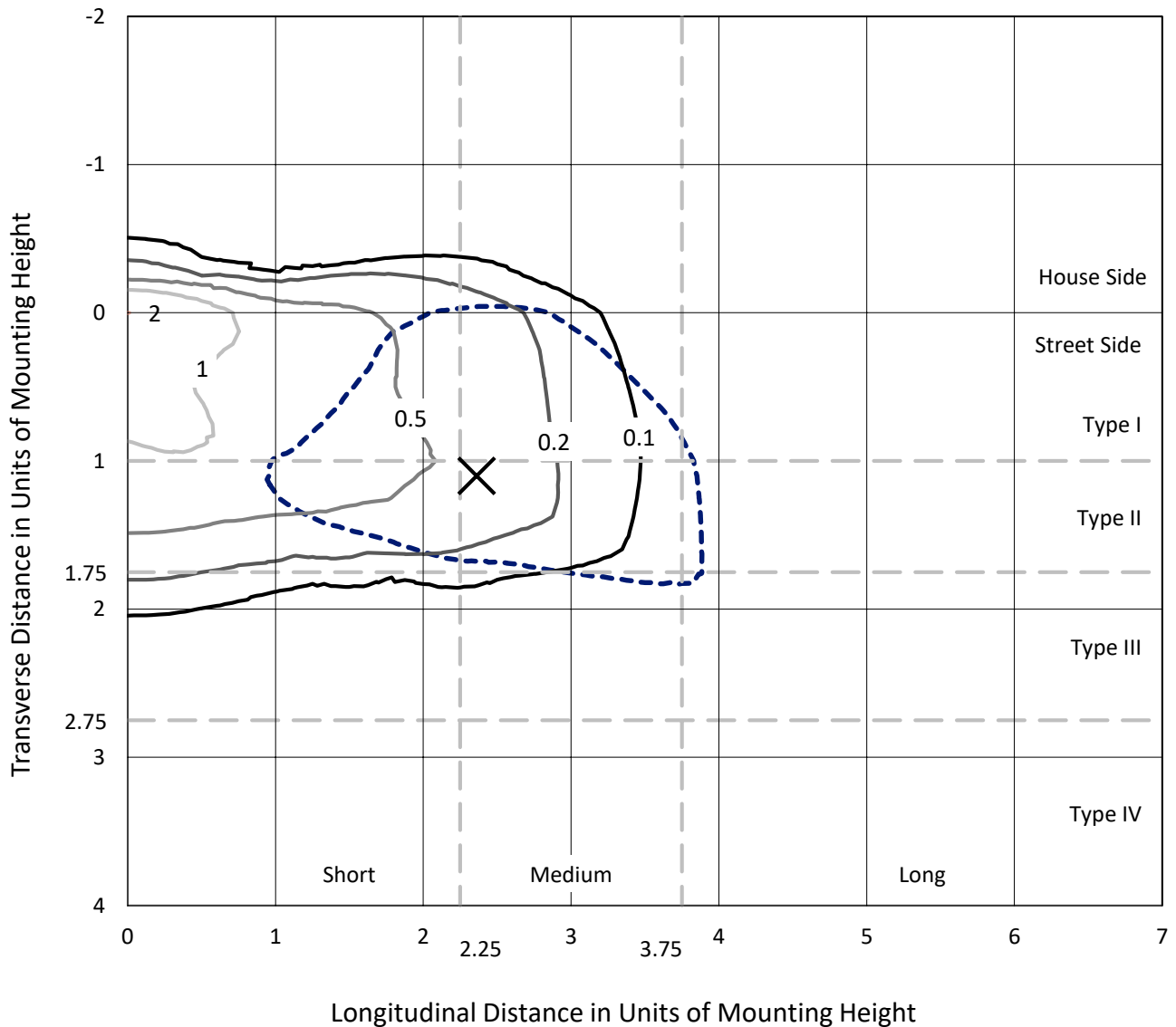
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

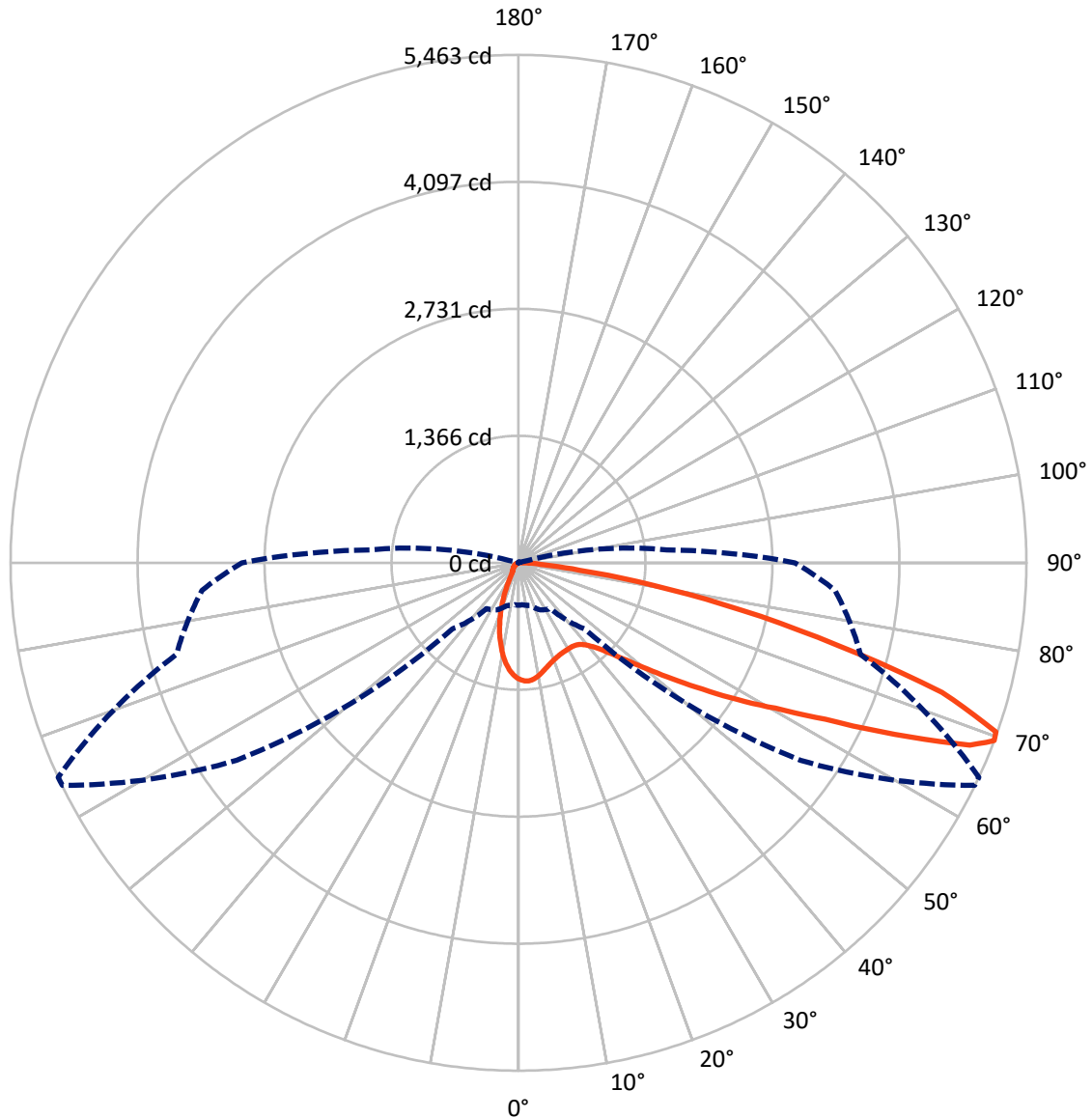
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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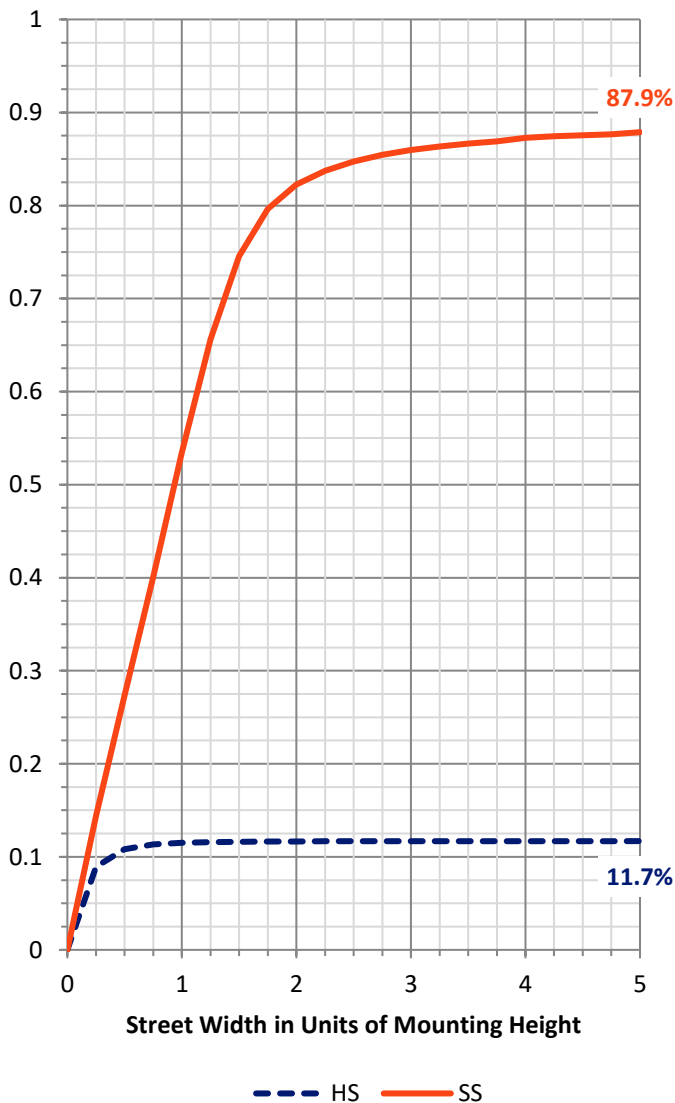
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	584.2	0.0	584.2
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	4371.8	0.0	4371.8
	% Fixture	88.2	0.0	88.2
Total	Lumens	4956.0	0.0	4956.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.7	2.1
10°-20°	229.2	4.6
20°-30°	317.5	6.4
30°-40°	442.7	8.9
40°-50°	688.1	13.9
50°-60°	1104.7	22.3
60°-70°	1249.6	25.2
70°-80°	733.9	14.8
80°-90°	85.4	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°	4956.0	100.0
0°-180°	4956.0	100.0

Coefficient of Utilization

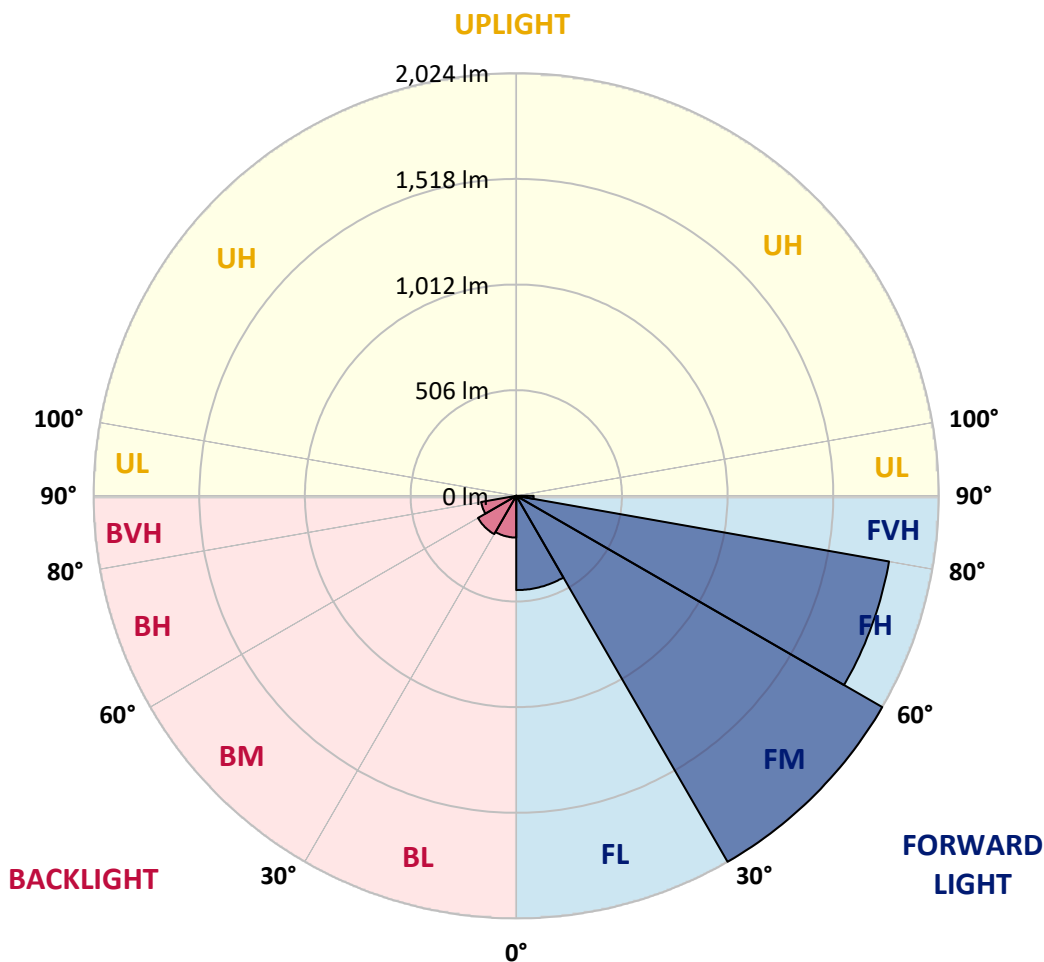


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	451.6	9.1			
FM (30°-60°)	2023.9	40.8			
FH (60°-80°)	1812.9	36.6			G2/5000
FVH (80°-90°)	83.5	1.7			G1/100
BL (0°-30°)	199.9	4.0	B1/500		
BM (30°-60°)	211.7	4.3	B0/220		
BH (60°-80°)	170.7	3.4	B1/500		G1/500
BVH (80°-90°)	1.9	0.0			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°	64°	65°	75°	85°
0°	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4
2.5°	1263.5	1260.4	1262.9	1268.3	1271.1	1271.1	1273.2	1270.6	1271.5	1265.4	1256.6
5°	1184.4	1179.6	1186.5	1201.8	1220.7	1236.9	1260.8	1273.4	1274.6	1274.8	1264.6
7.5°	1099.3	1094.9	1105.2	1123.2	1147.5	1177.5	1219.3	1255.7	1257.8	1277.6	1270.0
10°	1030.1	1027.0	1038.9	1058.2	1086.7	1120.3	1171.4	1222.2	1228.3	1271.9	1269.2
12.5°	975.2	972.6	984.0	1006.2	1035.3	1072.5	1125.9	1184.9	1193.0	1259.1	1265.0
15°	935.1	934.7	944.1	965.5	997.8	1032.4	1087.1	1150.3	1159.7	1245.3	1264.3
17.5°	914.1	914.8	921.7	939.9	967.6	1002.0	1054.4	1121.1	1131.4	1232.9	1267.5
20°	912.0	912.7	916.4	926.7	949.1	979.6	1027.8	1096.6	1107.3	1223.7	1272.5
22.5°	930.5	930.1	931.1	930.1	942.6	965.7	1010.2	1077.7	1090.1	1217.6	1276.5
25°	965.9	965.3	964.9	957.1	948.7	961.1	1002.8	1067.0	1078.7	1213.2	1278.8
27.5°	1015.2	1014.8	1014.2	1001.4	976.2	968.4	1003.7	1063.0	1072.9	1209.6	1278.4
30°	1080.0	1082.9	1082.1	1064.3	1025.1	990.9	1012.5	1060.9	1069.5	1202.7	1274.0
32.5°	1156.1	1162.0	1166.6	1147.5	1098.5	1035.3	1032.8	1063.2	1069.5	1197.4	1266.0
35°	1235.2	1242.7	1259.7	1253.0	1188.4	1102.2	1067.8	1077.1	1082.3	1200.4	1262.2
37.5°	1313.0	1322.0	1358.9	1378.4	1306.3	1190.7	1122.4	1111.3	1114.0	1218.2	1266.4
40°	1403.4	1417.0	1473.0	1504.5	1447.0	1309.2	1203.9	1170.0	1171.0	1257.4	1285.9
42.5°	1522.1	1536.1	1596.7	1646.0	1605.5	1459.0	1314.7	1259.7	1258.7	1330.8	1331.9
45°	1666.8	1681.5	1744.2	1798.9	1780.7	1636.4	1456.4	1390.8	1389.5	1446.6	1418.9
47.5°	1830.8	1845.2	1901.2	1957.6	1977.4	1843.6	1637.0	1569.7	1566.7	1607.4	1553.3
50°	1971.5	1980.9	2032.5	2108.4	2197.3	2098.2	1861.6	1796.8	1793.7	1821.1	1750.7
52.5°	2022.7	2028.1	2080.5	2186.9	2408.7	2442.9	2156.7	2073.2	2070.9	2082.8	2013.4
55°	1919.1	1928.9	1993.3	2151.0	2523.2	2832.6	2529.1	2415.4	2398.0	2372.2	2288.1
57.5°	1636.8	1652.5	1721.7	1931.4	2469.8	3141.7	3076.5	2802.6	2777.0	2619.3	2511.5
60°	1226.4	1245.7	1303.1	1529.4	2184.3	3251.8	3674.5	3233.9	3176.3	2816.0	2716.8
62.5°	841.6	851.2	890.2	1037.6	1608.7	3071.4	4174.9	3811.7	3706.4	3029.9	2938.9
65°	642.8	646.1	662.1	712.8	958.0	2494.9	4373.9	4574.0	4446.7	3285.7	3169.4
67.5°	518.0	515.3	537.3	609.8	641.5	1522.1	4141.8	5295.2	5235.6	3627.8	3401.3
69°	456.7	453.0	475.4	559.7	602.5	1006.2	3702.6	5459.0	5462.7	3808.3	3417.2
70°	411.0	413.5	435.8	529.9	589.3	789.8	3283.2	5417.2	5447.0	3875.9	3321.6
72.5°	274.5	281.2	325.9	440.0	566.6	597.7	1982.4	4648.6	4763.1	3723.8	2849.8
75°	154.8	159.8	212.9	331.8	533.9	569.2	1047.1	3424.8	3535.5	3114.0	2197.6
77.5°	75.9	78.6	120.4	214.1	446.5	542.3	593.9	2326.3	2452.8	2032.5	1243.0
80°	32.1	33.6	60.2	132.1	319.2	517.6	441.0	1431.7	1447.4	796.3	331.1
82.5°	12.4	12.8	25.4	82.4	202.8	403.5	368.9	678.8	662.5	149.9	75.5
85°	1.5	1.7	9.2	49.5	112.8	207.6	299.7	292.5	270.7	29.8	38.8
87.5°	0.0	0.0	0.6	15.1	33.6	97.3	155.8	121.4	109.5	9.6	20.1
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°	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4
2.5°	1249.2	1247.1	1235.8	1219.5	1203.9	1184.7	1166.2	1155.1	1146.3	1140.4	1147.3
5°	1252.6	1243.4	1209.0	1164.9	1121.7	1073.1	1027.8	989.4	974.3	957.5	965.1
7.5°	1251.6	1234.1	1172.3	1093.8	1014.6	932.6	855.0	795.2	764.2	733.8	741.5
10°	1246.3	1216.9	1123.2	1007.0	888.3	770.5	660.4	576.7	529.9	487.6	493.7
12.5°	1234.8	1193.9	1065.3	907.6	748.9	593.5	464.5	357.3	299.9	274.5	277.7
15°	1227.9	1171.4	1004.1	807.0	600.0	413.3	283.9	211.2	185.0	176.6	177.6
17.5°	1224.5	1149.8	940.8	691.8	447.7	263.2	183.5	161.9	156.2	154.8	155.2
20°	1221.1	1128.0	875.5	578.0	308.5	177.0	150.8	144.5	142.4	140.5	140.9
22.5°	1215.5	1107.1	805.5	462.6	208.0	143.7	135.9	129.8	125.4	123.1	123.5
25°	1208.6	1085.0	734.0	344.6	151.8	128.1	120.8	112.2	107.0	102.8	103.0
27.5°	1197.4	1058.0	660.2	250.8	127.5	114.7	104.9	95.4	86.6	81.8	81.8
30°	1181.9	1027.4	578.2	179.5	114.3	101.5	89.5	77.8	68.4	64.0	63.5
32.5°	1164.7	995.5	495.3	136.1	103.8	89.1	75.5	63.1	54.7	51.2	51.0
35°	1150.1	961.1	412.7	114.1	93.3	77.2	62.3	51.8	45.1	42.2	41.9
37.5°	1140.6	926.7	332.2	101.9	83.9	66.1	52.2	42.8	38.0	35.7	35.4
40°	1139.1	901.1	258.6	92.7	75.1	56.2	43.6	36.3	31.9	29.4	29.1
42.5°	1158.2	886.4	198.4	84.9	66.1	47.6	37.1	31.0	26.4	23.9	23.7
45°	1208.4	891.1	152.7	78.0	57.0	40.3	31.5	25.8	21.6	19.7	19.3
47.5°	1299.8	922.9	121.4	71.1	48.4	34.2	26.8	21.4	17.8	15.9	15.7
50°	1462.5	997.8	101.5	63.5	40.5	29.1	22.2	17.4	14.5	12.8	12.6
52.5°	1678.5	1131.2	90.6	56.2	33.6	24.7	18.2	13.8	11.3	10.1	9.9
55°	1916.8	1292.7	83.5	48.2	27.5	20.6	14.5	10.9	8.8	7.8	7.3
57.5°	2149.3	1432.5	76.8	40.5	22.9	16.8	11.5	8.6	6.9	5.9	5.7
60°	2363.0	1561.1	69.0	32.5	18.7	13.2	9.0	6.7	5.5	4.4	4.4
62.5°	2591.8	1660.5	58.3	25.4	15.3	10.1	7.3	6.1	4.4	3.8	3.6
65°	2834.2	1734.3	45.7	19.7	12.0	7.5	6.1	6.3	3.6	2.7	2.5
67.5°	3013.3	1719.6	33.8	15.5	9.2	5.9	5.9	6.7	3.1	2.1	1.9
69°	2973.9	1600.3	28.3	13.4	8.0	5.0	5.5	6.7	2.9	1.9	1.7
70°	2859.6	1468.2	25.0	12.0	7.1	4.6	5.2	6.5	2.7	1.9	1.7
72.5°	2381.5	1105.8	19.5	9.0	5.7	3.8	4.4	5.7	2.7	1.9	1.5
75°	1791.3	707.8	14.9	6.5	4.2	2.9	3.4	4.2	2.7	1.7	1.5
77.5°	974.7	255.2	10.7	4.4	2.9	2.3	2.3	3.1	2.5	1.3	0.8
80°	250.6	64.2	6.7	2.9	2.3	1.7	1.5	2.1	1.5	0.2	0.0
82.5°	61.9	14.5	3.6	2.1	1.7	0.6	0.6	1.0	0.6	0.0	0.0
85°	34.0	7.1	2.3	1.5	0.8	0.0	0.0	0.2	0.0	0.0	0.0
87.5°	17.4	2.1	0.6	0.4	0.2	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)