

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: P323195

Luminaire Tested: **GAN-SA1B-740-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323195
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-740-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 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: 4957 lumens
Efficiency: N/A
Efficacy: 112.7 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

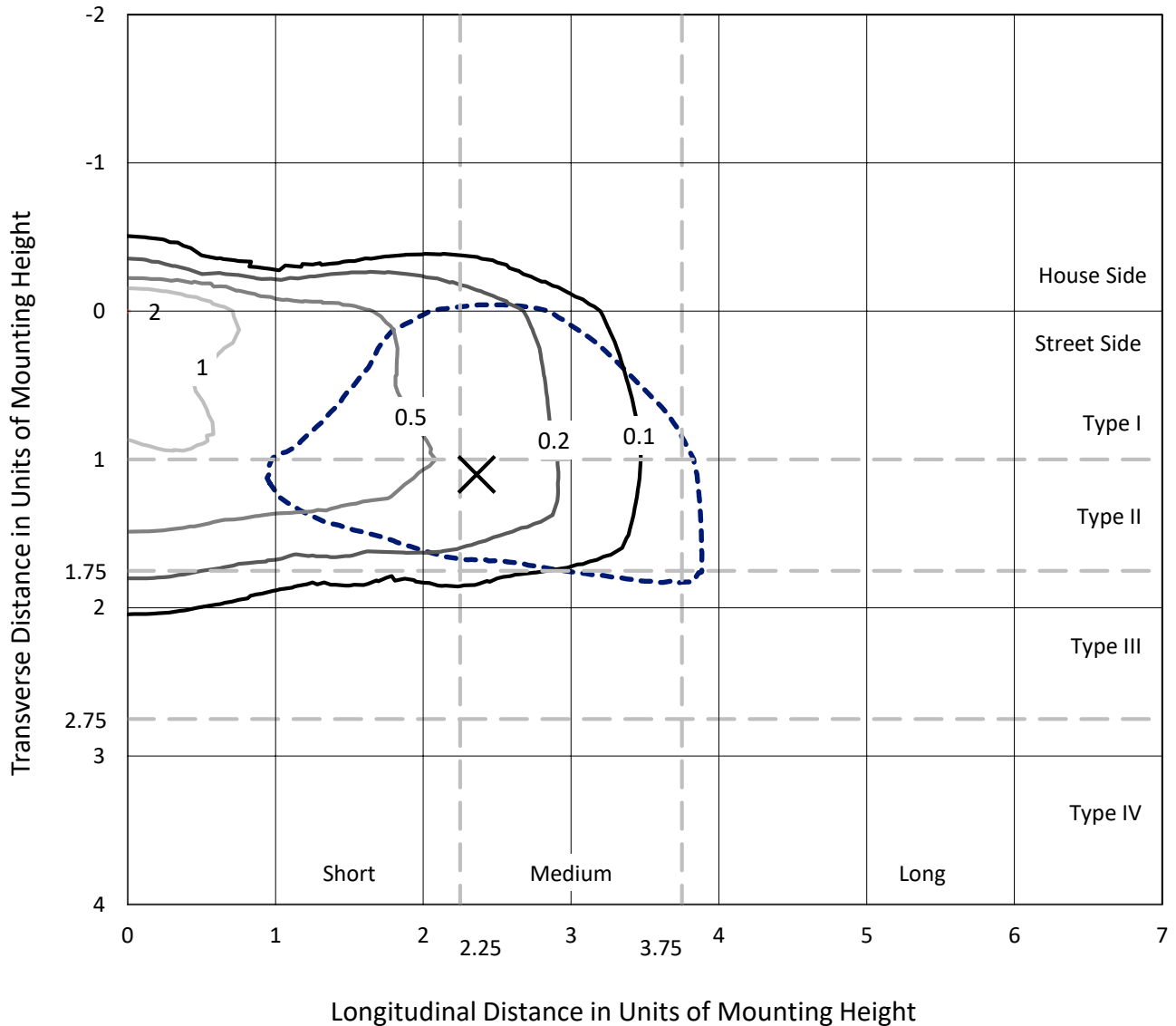
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

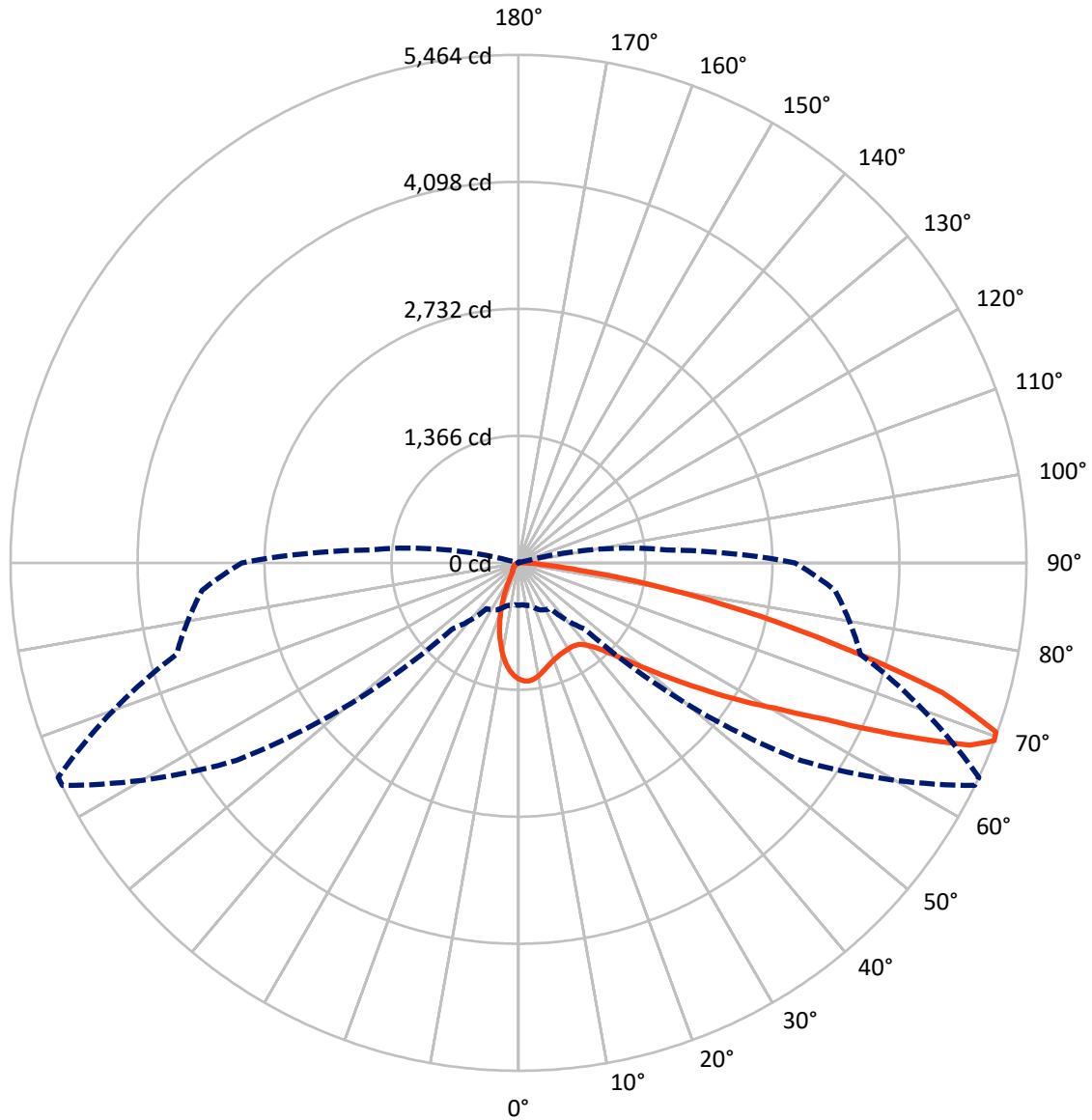
✕ Max cd
 - - - 1/2 Max cd



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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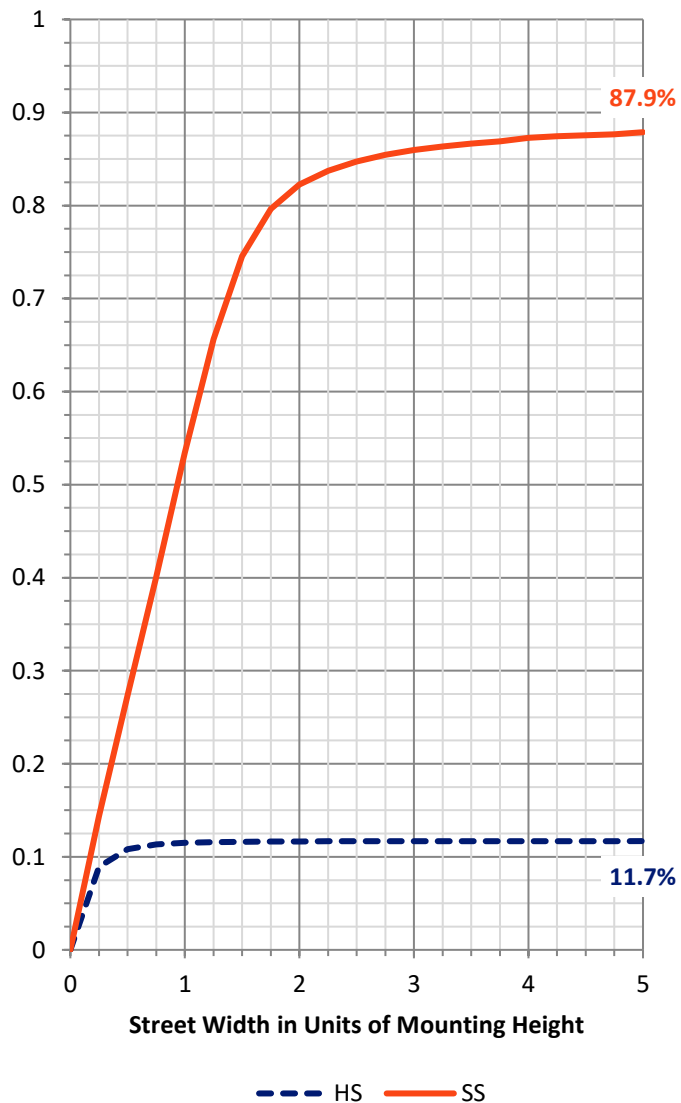
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	584.3	0.0	584.3
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	4372.7	0.0	4372.7
	% Fixture	88.2	0.0	88.2
Total	Lumens	4957.0	0.0	4957.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.7	2.1
10°-20°	229.3	4.6
20°-30°	317.6	6.4
30°-40°	442.8	8.9
40°-50°	688.3	13.9
50°-60°	1105.0	22.3
60°-70°	1249.9	25.2
70°-80°	734.1	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°	4957.0	100.0
0°-180°	4957.0	100.0

Coefficient of Utilization

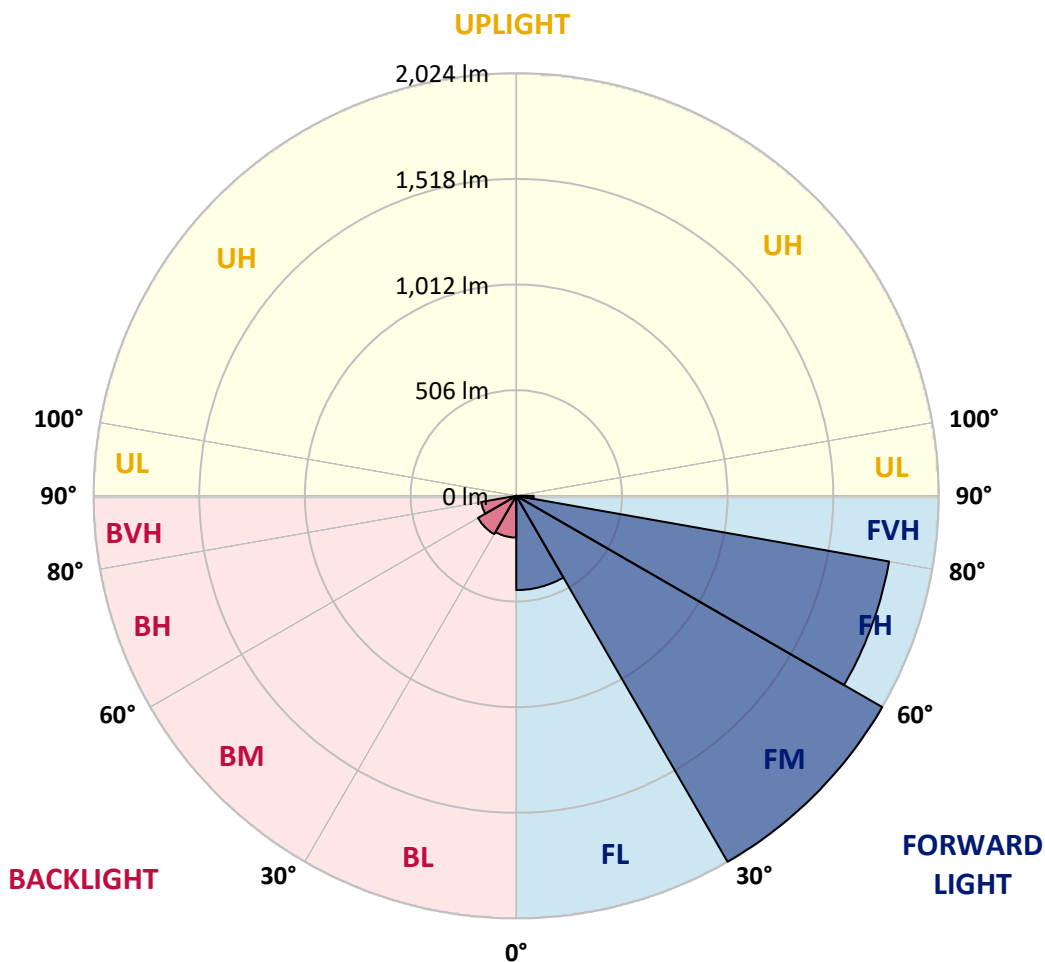


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	451.7	9.1			
FM (30°-60°)	2024.3	40.8			
FH (60°-80°)	1813.2	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°	1252.6	1252.6	1252.6	1252.6	1252.6	1252.6	1252.6	1252.6	1252.6	1252.6	1252.6
2.5°	1263.8	1260.6	1263.1	1268.6	1271.3	1271.3	1273.4	1270.9	1271.7	1265.6	1256.8
5°	1184.7	1179.9	1186.8	1202.1	1221.0	1237.1	1261.0	1273.6	1274.9	1275.1	1264.8
7.5°	1099.5	1095.1	1105.4	1123.4	1147.8	1177.8	1219.5	1256.0	1258.1	1277.8	1270.3
10°	1030.3	1027.2	1039.1	1058.4	1086.9	1120.5	1171.7	1222.4	1228.5	1272.1	1269.4
12.5°	975.3	972.8	984.2	1006.4	1035.5	1072.7	1126.2	1185.1	1193.3	1259.4	1265.2
15°	935.3	934.9	944.3	965.7	998.0	1032.6	1087.4	1150.5	1159.9	1245.5	1264.6
17.5°	914.3	914.9	921.9	940.1	967.8	1002.2	1054.6	1121.3	1131.6	1233.1	1267.7
20°	912.2	912.8	916.6	926.9	949.3	979.8	1028.0	1096.8	1107.5	1223.9	1272.8
22.5°	930.7	930.3	931.3	930.3	942.8	965.9	1010.4	1077.9	1090.3	1217.8	1276.8
25°	966.1	965.5	965.1	957.3	948.9	961.3	1003.0	1067.2	1079.0	1213.4	1279.1
27.5°	1015.4	1015.0	1014.4	1001.6	976.4	968.6	1003.9	1063.2	1073.1	1209.9	1278.7
30°	1080.2	1083.2	1082.3	1064.5	1025.3	991.1	1012.7	1061.1	1069.7	1202.9	1274.2
32.5°	1156.4	1162.2	1166.9	1147.8	1098.7	1035.5	1033.0	1063.4	1069.7	1197.7	1266.3
35°	1235.4	1243.0	1260.0	1253.3	1188.7	1102.5	1068.1	1077.3	1082.5	1200.6	1262.5
37.5°	1313.3	1322.3	1359.2	1378.7	1306.5	1191.0	1122.6	1111.5	1114.2	1218.5	1266.7
40°	1403.7	1417.3	1473.3	1504.8	1447.3	1309.5	1204.2	1170.2	1171.3	1257.7	1286.2
42.5°	1522.4	1536.4	1597.1	1646.3	1605.9	1459.2	1314.9	1260.0	1258.9	1331.1	1332.1
45°	1667.1	1681.8	1744.5	1799.3	1781.0	1636.7	1456.7	1391.1	1389.8	1446.9	1419.2
47.5°	1831.1	1845.6	1901.6	1958.0	1977.8	1843.9	1637.3	1570.0	1567.1	1607.8	1553.6
50°	1971.9	1981.3	2032.9	2108.9	2197.8	2098.6	1862.0	1797.2	1794.0	1821.5	1751.0
52.5°	2023.1	2028.5	2081.0	2187.3	2409.2	2443.4	2157.1	2073.6	2071.3	2083.3	2013.8
55°	1919.4	1929.3	1993.7	2151.4	2523.7	2833.1	2529.6	2415.9	2398.5	2372.7	2288.6
57.5°	1637.1	1652.9	1722.1	1931.8	2470.3	3142.3	3077.1	2803.1	2777.5	2619.8	2512.0
60°	1226.6	1245.9	1303.4	1529.7	2184.8	3252.4	3675.3	3234.6	3176.9	2816.6	2717.3
62.5°	841.7	851.4	890.4	1037.9	1609.0	3072.0	4175.8	3812.5	3707.2	3030.5	2939.5
65°	642.9	646.2	662.2	712.9	958.1	2495.4	4374.8	4574.9	4447.6	3286.4	3170.0
67.5°	518.1	515.4	537.4	610.0	641.6	1522.4	4142.6	5296.3	5236.7	3628.5	3402.0
69°	456.8	453.1	475.5	559.8	602.6	1006.4	3703.4	5460.1	5463.8	3809.1	3417.9
70°	411.1	413.6	435.9	530.0	589.4	789.9	3283.9	5418.3	5448.1	3876.6	3322.3
72.5°	274.6	281.3	326.0	440.1	566.8	597.8	1982.8	4649.6	4764.1	3724.6	2850.3
75°	154.8	159.8	212.9	331.8	534.0	569.3	1047.3	3425.5	3536.2	3114.6	2198.0
77.5°	75.9	78.7	120.4	214.2	446.6	542.4	594.0	2326.8	2453.3	2032.9	1243.2
80°	32.1	33.6	60.2	132.1	319.2	517.7	441.1	1432.0	1447.7	796.4	331.2
82.5°	12.4	12.8	25.4	82.4	202.8	403.6	369.0	679.0	662.6	150.0	75.5
85°	1.5	1.7	9.2	49.5	112.8	207.7	299.7	292.6	270.8	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°	1252.6	1252.6	1252.6	1252.6	1252.6	1252.6	1252.6	1252.6	1252.6	1252.6	1252.6
2.5°	1249.5	1247.4	1236.1	1219.7	1204.2	1184.9	1166.4	1155.3	1146.5	1140.6	1147.6
5°	1252.9	1243.6	1209.2	1165.2	1122.0	1073.3	1028.0	989.6	974.5	957.7	965.3
7.5°	1251.8	1234.4	1172.5	1094.1	1014.8	932.8	855.2	795.4	764.3	733.9	741.7
10°	1246.6	1217.2	1123.4	1007.2	888.5	770.6	660.5	576.8	530.0	487.7	493.8
12.5°	1235.0	1194.1	1065.5	907.8	749.0	593.6	464.6	357.4	299.9	274.6	277.7
15°	1228.1	1171.7	1004.3	807.1	600.1	413.4	284.0	211.2	185.0	176.6	177.7
17.5°	1224.7	1150.1	941.0	692.0	447.8	263.2	183.5	161.9	156.3	154.8	155.2
20°	1221.4	1128.3	875.7	578.1	308.5	177.0	150.8	144.5	142.4	140.5	141.0
22.5°	1215.7	1107.3	805.7	462.7	208.1	143.7	135.9	129.8	125.4	123.1	123.5
25°	1208.8	1085.3	734.1	344.6	151.9	128.2	120.8	112.2	107.0	102.8	103.0
27.5°	1197.7	1058.2	660.3	250.9	127.5	114.7	104.9	95.4	86.6	81.8	81.8
30°	1182.2	1027.6	578.3	179.5	114.3	101.5	89.6	77.8	68.4	64.0	63.6
32.5°	1165.0	995.7	495.4	136.1	103.8	89.1	75.5	63.1	54.7	51.2	51.0
35°	1150.3	961.3	412.8	114.1	93.3	77.2	62.3	51.8	45.1	42.2	42.0
37.5°	1140.8	926.9	332.2	101.9	83.9	66.1	52.2	42.8	38.0	35.7	35.4
40°	1139.4	901.3	258.6	92.7	75.1	56.2	43.6	36.3	31.9	29.4	29.2
42.5°	1158.5	886.6	198.4	84.9	66.1	47.6	37.1	31.0	26.4	23.9	23.7
45°	1208.6	891.2	152.7	78.0	57.1	40.3	31.5	25.8	21.6	19.7	19.3
47.5°	1300.0	923.1	121.4	71.1	48.5	34.2	26.8	21.4	17.8	15.9	15.7
50°	1462.8	998.0	101.5	63.6	40.5	29.2	22.2	17.4	14.5	12.8	12.6
52.5°	1678.9	1131.4	90.6	56.2	33.6	24.8	18.2	13.8	11.3	10.1	9.9
55°	1917.1	1292.9	83.5	48.2	27.5	20.6	14.5	10.9	8.8	7.8	7.3
57.5°	2149.8	1432.8	76.8	40.5	22.9	16.8	11.5	8.6	6.9	5.9	5.7
60°	2363.5	1561.4	69.0	32.5	18.7	13.2	9.0	6.7	5.5	4.4	4.4
62.5°	2592.3	1660.8	58.3	25.4	15.3	10.1	7.3	6.1	4.4	3.8	3.6
65°	2834.8	1734.7	45.7	19.7	12.0	7.6	6.1	6.3	3.6	2.7	2.5
67.5°	3013.9	1720.0	33.8	15.5	9.2	5.9	5.9	6.7	3.1	2.1	1.9
69°	2974.5	1600.6	28.3	13.4	8.0	5.0	5.5	6.7	2.9	1.9	1.7
70°	2860.2	1468.5	25.0	12.0	7.1	4.6	5.2	6.5	2.7	1.9	1.7
72.5°	2382.0	1106.0	19.5	9.0	5.7	3.8	4.4	5.7	2.7	1.9	1.5
75°	1791.7	707.9	14.9	6.5	4.2	2.9	3.4	4.2	2.7	1.7	1.5
77.5°	974.9	255.3	10.7	4.4	2.9	2.3	2.3	3.1	2.5	1.3	0.8
80°	250.7	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)