

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: P323505

Luminaire Tested: **GAN-SA1A-740-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323505
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1A-740-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4169 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

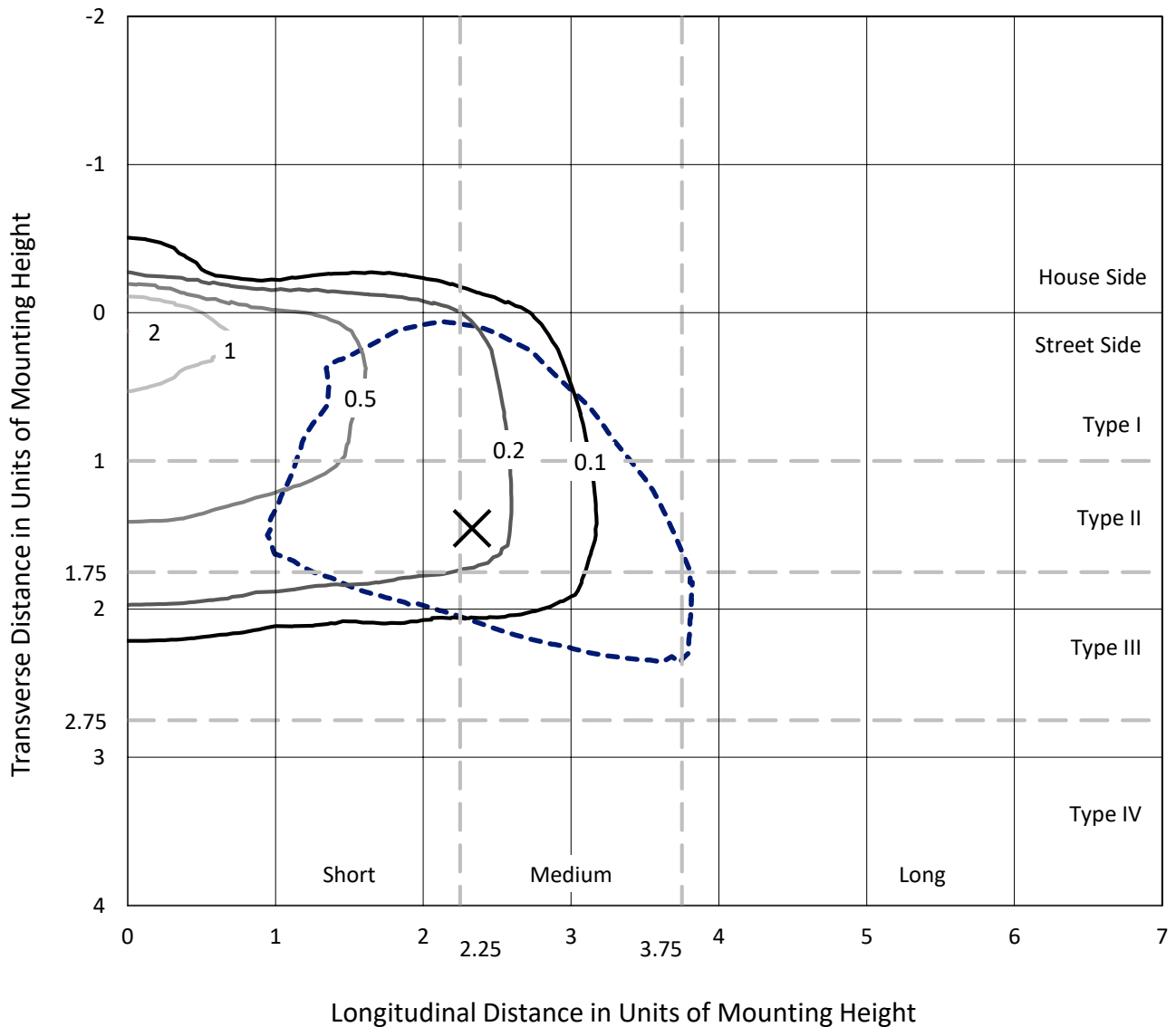
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

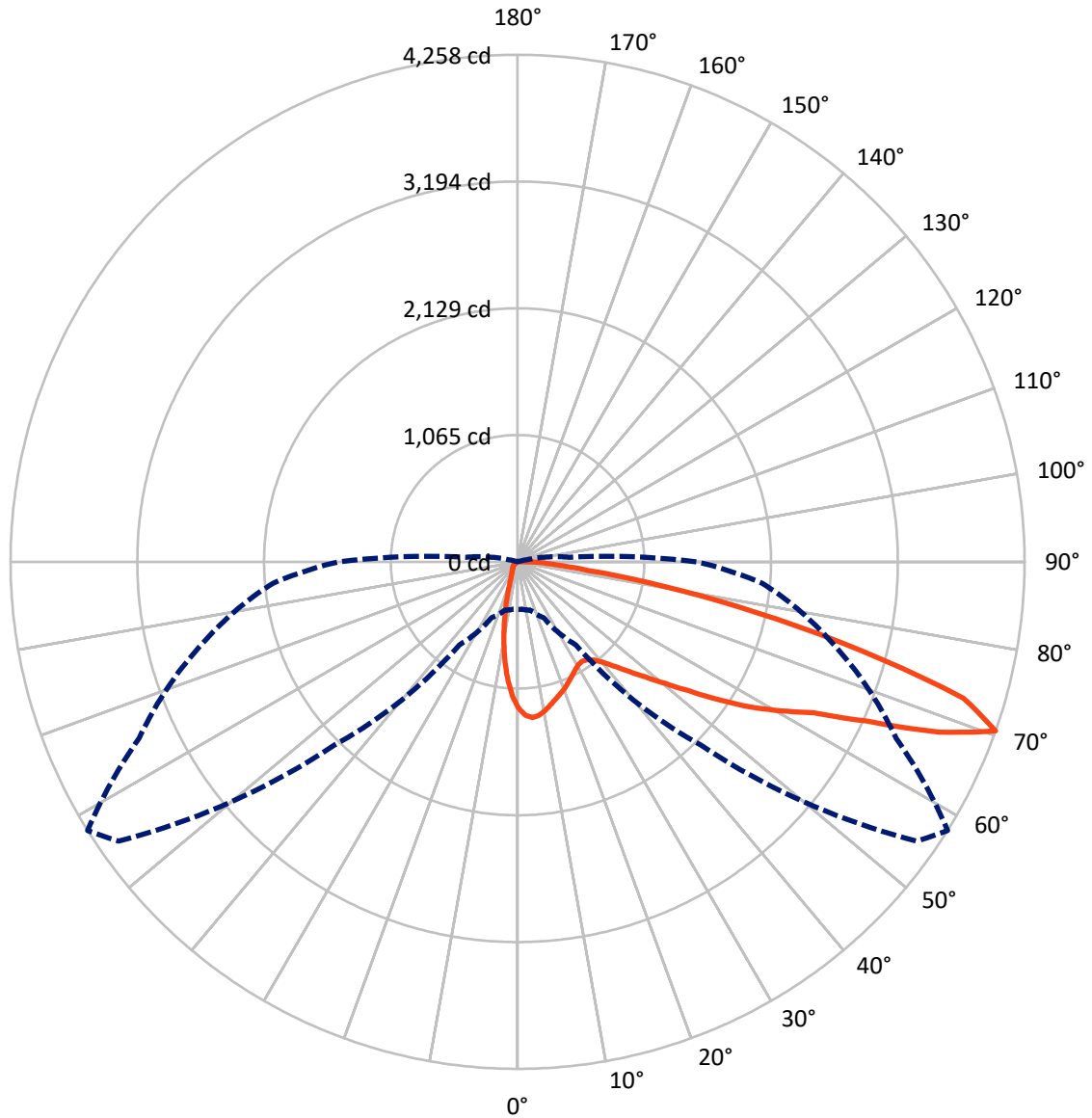
✕ Max cd
 - - - 1/2 Max cd



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 58-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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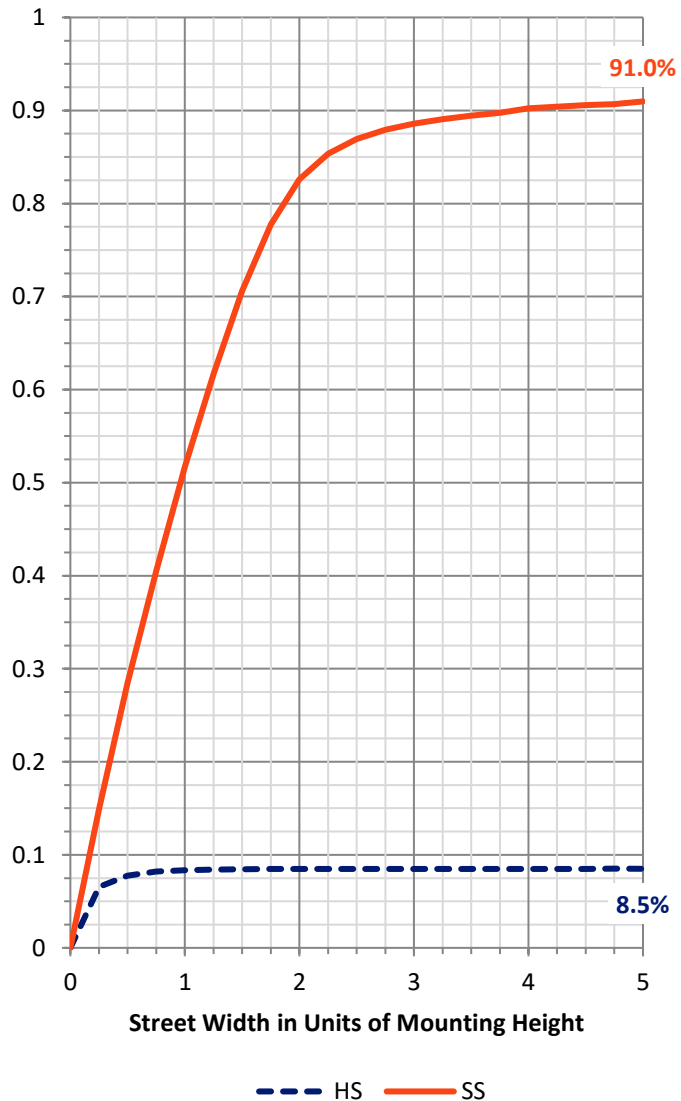
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	356.8	0.0	356.8
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	3812.2	0.0	3812.2
	% Fixture	91.4	0.0	91.4
Total	Lumens	4169.0	0.0	4169.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.7	2.4
10°-20°	211.4	5.1
20°-30°	277.9	6.7
30°-40°	368.0	8.8
40°-50°	550.0	13.2
50°-60°	881.1	21.1
60°-70°	1110.7	26.6
70°-80°	599.1	14.4
80°-90°	70.1	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°	4169.0	100.0
0°-180°	4169.0	100.0

Coefficient of Utilization

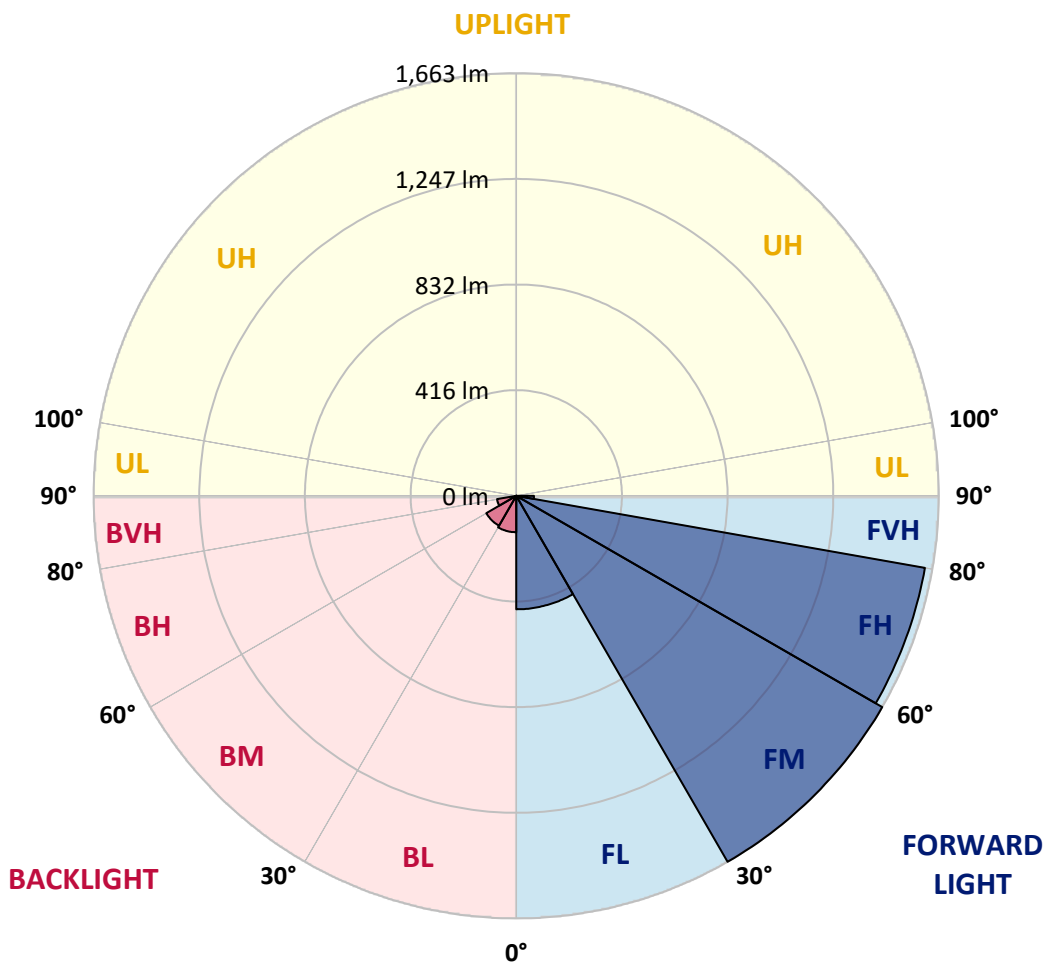


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	446.6	10.7			
FM (30°-60°)	1663.1	39.9			
FH (60°-80°)	1633.0	39.2			G1/1800
FVH (80°-90°)	69.5	1.7			G1/100
BL (0°-30°)	143.3	3.4	B1/500		
BM (30°-60°)	136.1	3.3	B0/220		
BH (60°-80°)	76.7	1.8	B0/110		G0/110
BVH (80°-90°)	0.6	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-G1
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1231.5	1231.5	1231.5	1231.5	1231.5	1231.5	1231.5	1231.5	1231.5	1231.5	1231.5
2.5°	1333.6	1330.3	1329.1	1327.0	1319.0	1311.2	1295.8	1291.5	1281.8	1258.7	1234.3
5°	1334.6	1334.5	1338.1	1337.2	1334.5	1330.8	1319.7	1314.0	1297.6	1264.6	1219.9
7.5°	1270.3	1273.6	1281.8	1288.4	1296.0	1305.9	1307.3	1301.7	1288.2	1252.7	1193.4
10°	1184.0	1189.2	1200.6	1213.6	1233.6	1253.3	1271.0	1270.3	1265.7	1230.6	1161.5
12.5°	1097.5	1103.6	1116.7	1136.0	1164.2	1196.5	1228.0	1232.4	1240.2	1210.9	1132.0
15°	1021.7	1026.9	1039.9	1063.5	1098.5	1141.9	1188.2	1196.1	1216.2	1195.4	1107.4
17.5°	957.4	960.7	970.3	996.4	1037.0	1089.5	1149.7	1165.3	1195.3	1183.3	1086.1
20°	912.5	913.1	919.3	937.7	978.2	1037.0	1109.8	1132.2	1173.1	1172.9	1064.0
22.5°	890.3	888.6	889.8	900.4	930.2	986.9	1069.9	1096.5	1153.1	1164.1	1041.7
25°	886.2	884.8	881.3	882.7	900.7	943.0	1029.7	1060.4	1135.6	1158.7	1022.3
27.5°	899.2	900.6	894.7	888.4	889.8	914.6	994.0	1029.5	1121.4	1158.7	1008.6
30°	925.4	926.1	921.7	913.6	902.7	906.6	969.2	1004.8	1114.3	1166.7	999.9
32.5°	954.3	958.1	957.6	951.0	935.4	919.3	963.3	995.7	1113.8	1184.4	999.0
35°	990.2	994.5	1001.8	1000.4	984.1	957.6	983.4	1008.9	1124.0	1213.5	1008.4
37.5°	1028.3	1034.9	1050.5	1058.0	1047.4	1017.4	1028.5	1046.7	1151.4	1260.6	1032.1
40°	1065.3	1072.7	1101.1	1130.4	1122.5	1091.6	1096.8	1111.4	1200.1	1328.4	1077.2
42.5°	1101.5	1112.6	1154.4	1202.6	1212.1	1187.5	1190.2	1201.9	1272.4	1421.7	1150.9
45°	1144.8	1157.3	1219.2	1278.7	1304.1	1293.4	1305.2	1312.8	1366.9	1544.9	1250.2
47.5°	1208.4	1222.8	1298.8	1366.5	1411.3	1418.2	1442.0	1447.0	1486.3	1688.5	1379.7
50°	1332.6	1336.6	1405.2	1466.7	1531.2	1572.8	1599.9	1603.7	1630.9	1845.3	1541.5
52.5°	1488.8	1491.4	1530.2	1571.4	1644.8	1729.7	1793.0	1798.4	1804.1	1998.2	1701.1
55°	1643.9	1643.6	1669.2	1693.5	1777.4	1900.8	2038.1	2041.4	2000.3	2143.3	1823.2
57.5°	1740.8	1750.2	1789.2	1820.4	1937.6	2095.8	2286.4	2298.5	2206.4	2250.8	1943.8
60°	1710.0	1714.5	1801.0	1916.4	2137.1	2373.0	2537.5	2540.7	2361.4	2358.1	2096.4
62.5°	1456.9	1459.3	1595.2	1833.2	2238.2	2732.6	2840.6	2789.8	2539.6	2507.0	2278.9
65°	998.5	1014.3	1127.8	1422.0	2052.5	2958.1	3309.7	3225.6	2811.3	2721.6	2443.9
67.5°	588.0	584.7	640.9	857.6	1507.5	2808.3	3903.1	3819.5	3181.7	2865.4	2395.6
70°	401.7	399.4	420.9	519.2	851.0	2178.5	4089.8	4258.4	3508.8	2768.6	2061.7
72.5°	286.7	287.9	319.7	403.4	534.3	1269.3	3517.0	3916.2	3406.4	2413.6	1567.1
75°	194.7	198.0	243.4	330.9	468.4	645.7	2495.8	2977.0	2773.8	1754.2	900.7
77.5°	104.7	108.3	161.9	266.6	423.5	448.6	1605.4	2048.9	1742.4	788.6	261.1
80°	43.7	45.8	75.8	193.8	365.9	394.0	944.6	1242.4	742.5	155.5	58.2
82.5°	18.9	19.9	31.6	115.6	273.6	332.7	500.1	597.7	225.0	34.2	29.3
85°	3.6	3.8	13.0	61.2	174.6	187.7	324.2	317.8	101.1	14.7	21.3
87.5°	0.0	0.0	3.1	19.2	51.3	102.3	197.8	195.4	34.3	7.1	8.0
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°	1231.5	1231.5	1231.5	1231.5	1231.5	1231.5	1231.5	1231.5	1231.5	1231.5	1231.5
2.5°	1221.8	1209.8	1184.7	1153.7	1129.9	1103.7	1082.9	1056.6	1045.1	1045.7	1039.4
5°	1194.4	1169.8	1114.1	1043.9	989.8	934.0	886.0	838.2	809.9	800.7	792.1
7.5°	1155.2	1116.2	1027.5	919.3	827.8	738.3	660.5	592.0	548.7	527.5	519.7
10°	1111.0	1056.2	927.8	785.3	654.6	533.6	432.7	345.0	310.0	286.2	280.1
12.5°	1072.2	998.0	830.4	647.8	492.7	346.7	250.5	195.9	172.1	162.8	161.2
15°	1035.6	943.6	736.6	523.4	341.2	213.4	159.3	140.8	135.2	133.7	133.7
17.5°	1001.1	891.7	644.9	400.8	225.7	149.6	131.9	127.8	126.0	125.9	126.0
20°	965.1	839.9	554.7	293.7	157.6	126.7	121.9	119.6	119.1	119.1	119.1
22.5°	930.6	788.1	467.0	209.8	126.4	115.6	113.2	111.6	111.1	110.9	110.6
25°	897.5	738.8	381.4	148.2	110.9	105.9	103.8	101.8	100.2	99.3	98.8
27.5°	870.2	695.0	301.6	118.9	100.2	95.9	93.3	90.1	86.3	84.6	83.9
30°	848.6	654.9	232.5	100.4	90.1	85.8	81.8	76.4	70.9	68.0	67.8
32.5°	831.6	615.6	176.5	88.8	81.1	75.8	70.0	63.3	56.9	53.6	53.4
35°	823.3	580.9	134.9	80.3	73.2	66.4	59.3	51.8	45.6	42.5	42.1
37.5°	828.8	551.6	105.2	73.2	66.4	58.6	50.3	42.5	36.9	34.2	34.0
40°	849.1	532.9	85.5	67.1	60.7	51.1	42.1	34.8	30.2	27.9	27.7
42.5°	892.3	526.0	73.0	62.1	55.1	44.2	35.0	28.8	24.4	22.9	22.5
45°	964.4	536.2	64.5	57.2	49.4	37.6	29.0	23.6	19.8	18.5	18.4
47.5°	1060.4	563.1	58.4	52.5	44.2	31.7	24.1	19.1	16.1	14.9	14.7
50°	1184.2	605.7	53.4	47.8	39.4	26.9	19.9	15.1	12.5	11.6	11.6
52.5°	1318.9	656.5	48.9	43.5	34.5	22.4	16.1	11.6	9.9	8.8	8.8
55°	1430.2	700.9	44.0	40.2	28.6	18.5	12.3	8.8	7.3	6.8	6.8
57.5°	1541.3	748.2	38.5	34.5	22.9	15.1	9.4	6.6	5.4	5.0	5.0
60°	1685.3	806.1	33.1	28.1	18.0	11.4	6.9	4.7	4.0	3.8	3.8
62.5°	1843.8	840.1	28.3	22.5	14.0	8.5	5.0	3.1	2.9	2.9	2.8
65°	1940.7	792.1	23.7	18.0	10.9	6.4	3.3	2.3	2.6	2.4	2.1
67.5°	1817.1	620.1	19.4	14.0	8.5	4.9	2.1	1.6	2.8	2.3	1.7
70°	1504.5	434.1	15.1	9.9	6.8	4.2	1.4	1.0	2.9	2.3	1.4
72.5°	1125.9	290.5	12.0	6.6	5.0	3.6	1.2	0.5	2.6	1.9	1.2
75°	615.2	117.0	9.5	4.2	3.1	2.6	0.9	0.3	1.7	1.4	0.9
77.5°	161.9	30.9	6.9	2.8	1.7	1.0	0.5	0.2	0.9	0.7	0.3
80°	41.3	12.0	4.5	1.9	1.2	0.5	0.0	0.0	0.2	0.0	0.0
82.5°	22.0	5.0	2.8	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	16.6	3.3	1.6	0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.4	1.0	0.5	0.0	0.0	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)