

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: P323475

Luminaire Tested: **GAN-SA1B-730-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323475
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-SA1B-730-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 800mA 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: 4656 lumens
Efficiency: N/A
Efficacy: 105.8 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

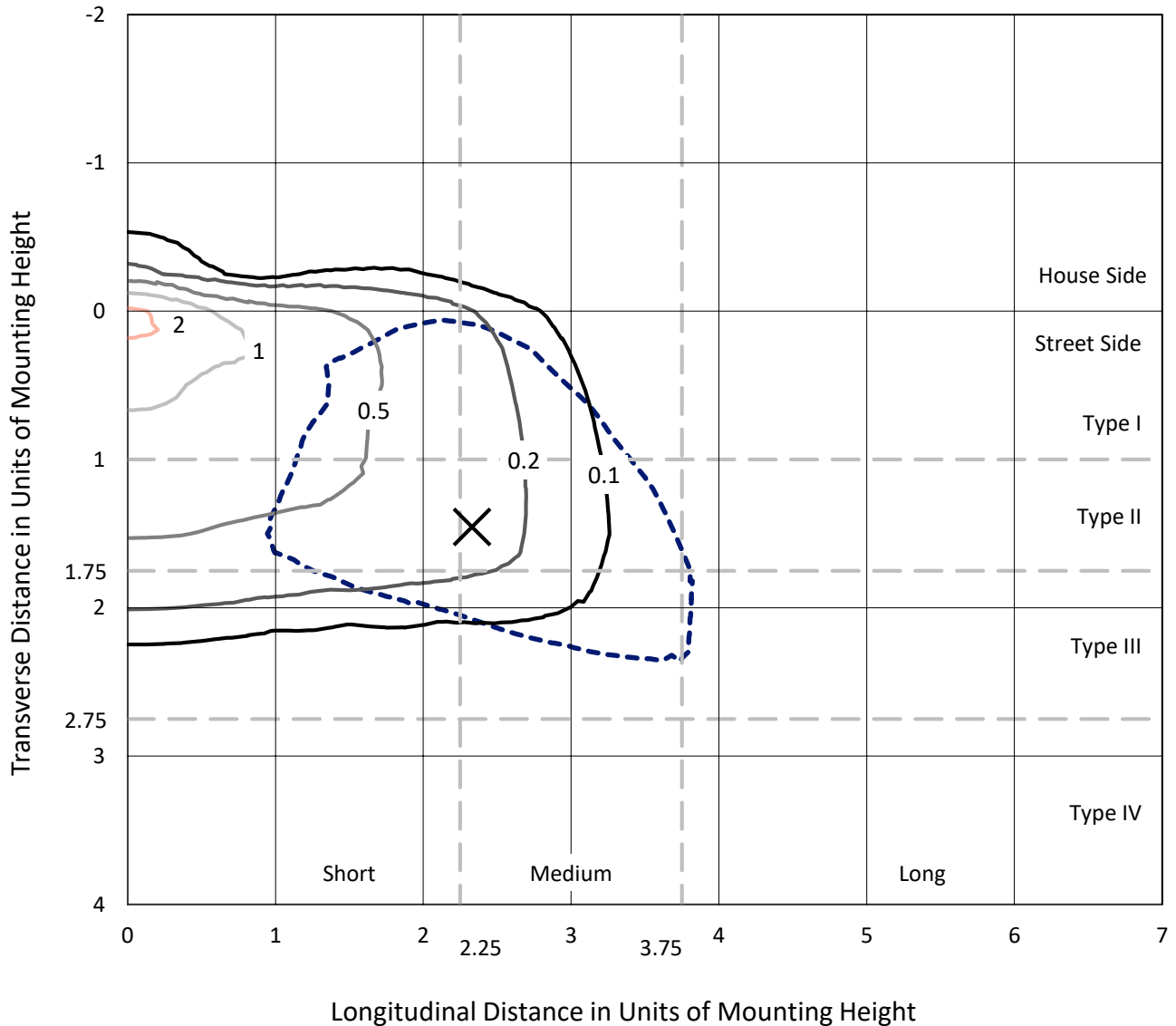
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

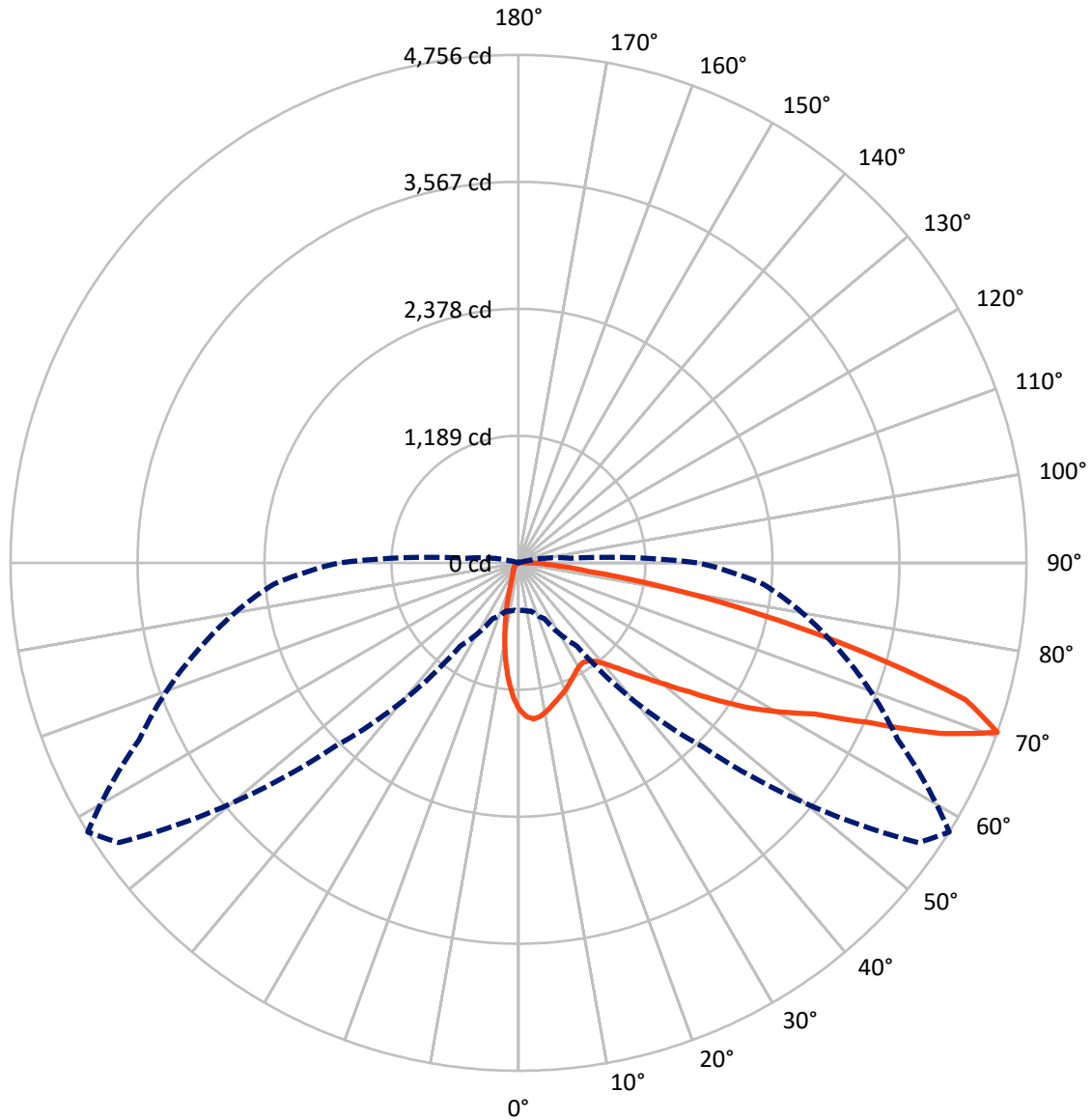
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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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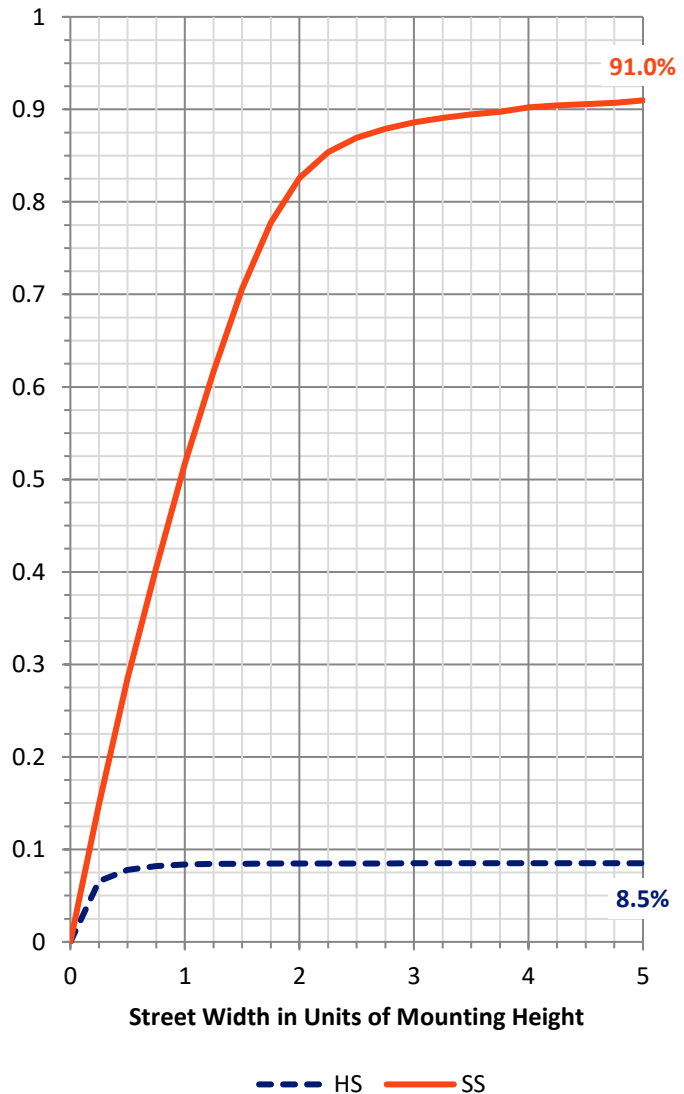
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	398.4	0.0	398.4
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	4257.6	0.0	4257.6
	% Fixture	91.4	0.0	91.4
Total	Lumens	4656.0	0.0	4656.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.5	2.4
10°-20°	236.0	5.1
20°-30°	310.3	6.7
30°-40°	411.0	8.8
40°-50°	614.3	13.2
50°-60°	984.1	21.1
60°-70°	1240.4	26.6
70°-80°	669.1	14.4
80°-90°	78.3	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°	4656.0	100.0
0°-180°	4656.0	100.0

Coefficient of Utilization

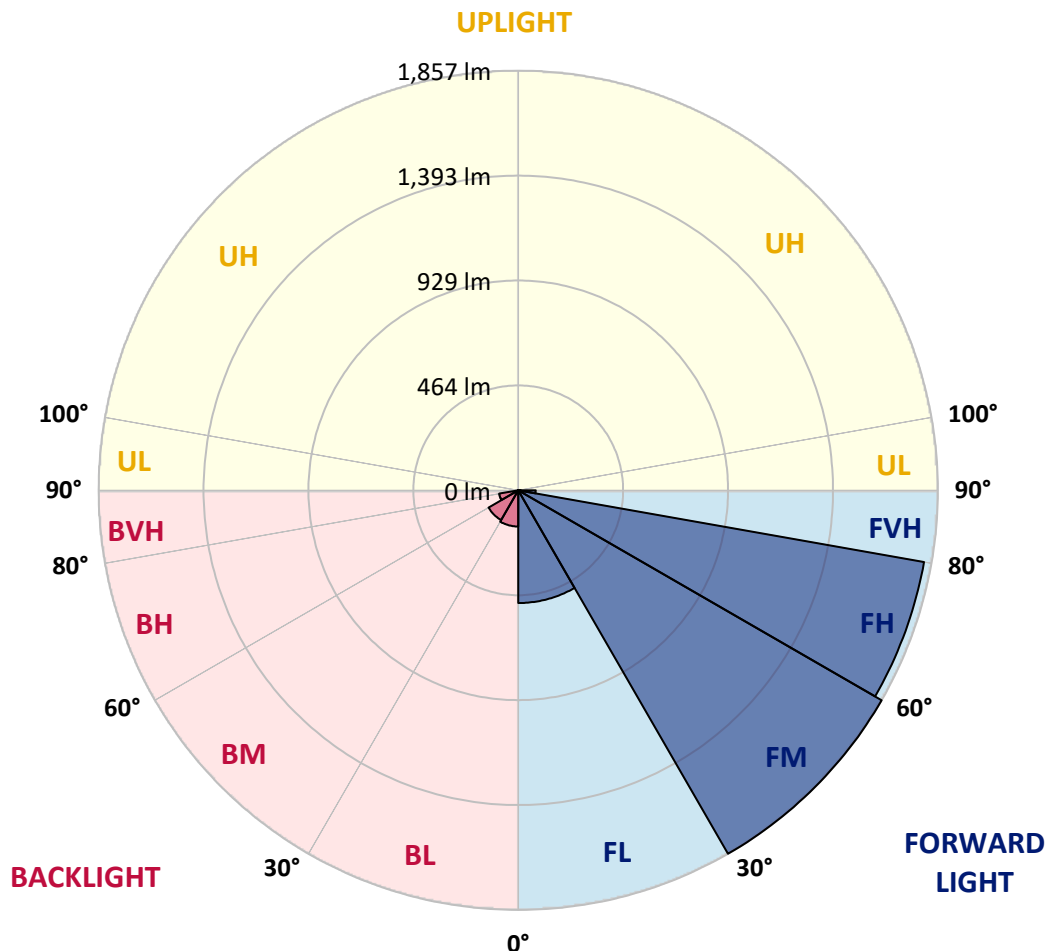


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	498.8	10.7			
FM (30°-60°)	1857.4	39.9			
FH (60°-80°)	1823.8	39.2			G2/5000
FVH (80°-90°)	77.6	1.7			G1/100
BL (0°-30°)	160.1	3.4	B1/500		
BM (30°-60°)	152.0	3.3	B0/220		
BH (60°-80°)	85.7	1.8	B0/110		G0/110
BVH (80°-90°)	0.7	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°	58°	65°	75°	85°
0°	1375.4	1375.4	1375.4	1375.4	1375.4	1375.4	1375.4	1375.4	1375.4	1375.4	1375.4
2.5°	1489.4	1485.7	1484.4	1482.0	1473.1	1464.4	1447.2	1442.3	1431.5	1405.8	1378.5
5°	1490.6	1490.4	1494.4	1493.5	1490.4	1486.3	1473.9	1467.5	1449.1	1412.3	1362.4
7.5°	1418.7	1422.4	1431.5	1438.9	1447.4	1458.4	1460.0	1453.8	1438.7	1399.0	1332.8
10°	1322.3	1328.1	1340.9	1355.4	1377.7	1399.8	1419.5	1418.7	1413.5	1374.4	1297.1
12.5°	1225.7	1232.5	1247.2	1268.7	1300.2	1336.3	1371.5	1376.3	1385.0	1352.3	1264.2
15°	1141.1	1146.9	1161.4	1187.8	1226.9	1275.3	1327.0	1335.9	1358.3	1335.1	1236.7
17.5°	1069.3	1073.0	1083.6	1112.8	1158.1	1216.8	1284.0	1301.4	1334.9	1321.5	1212.9
20°	1019.1	1019.7	1026.7	1047.2	1092.5	1158.1	1239.5	1264.4	1310.1	1309.9	1188.3
22.5°	994.3	992.4	993.8	1005.6	1038.9	1102.2	1194.9	1224.5	1287.9	1300.0	1163.4
25°	989.7	988.2	984.3	985.8	1006.0	1053.2	1150.0	1184.3	1268.3	1294.0	1141.7
27.5°	1004.2	1005.8	999.2	992.2	993.8	1021.5	1110.1	1149.8	1252.4	1294.0	1126.4
30°	1033.5	1034.2	1029.4	1020.3	1008.1	1012.5	1082.4	1122.1	1244.5	1303.0	1116.7
32.5°	1065.8	1070.0	1069.5	1062.1	1044.7	1026.7	1075.9	1112.1	1243.9	1322.7	1115.7
35°	1105.9	1110.7	1118.8	1117.3	1099.1	1069.5	1098.3	1126.8	1255.3	1355.2	1126.2
37.5°	1148.5	1155.8	1173.2	1181.6	1169.8	1136.3	1148.7	1169.0	1285.9	1407.9	1152.7
40°	1189.7	1198.0	1229.8	1262.5	1253.6	1219.1	1224.9	1241.2	1340.3	1483.6	1203.1
42.5°	1230.2	1242.5	1289.2	1343.0	1353.7	1326.2	1329.3	1342.3	1421.1	1587.7	1285.3
45°	1278.6	1292.5	1361.6	1428.0	1456.5	1444.5	1457.6	1466.2	1526.6	1725.4	1396.3
47.5°	1349.6	1365.7	1450.5	1526.2	1576.1	1583.9	1610.4	1616.0	1660.0	1885.7	1540.9
50°	1488.2	1492.7	1569.4	1638.1	1710.1	1756.6	1786.8	1791.0	1821.4	2060.9	1721.5
52.5°	1662.7	1665.6	1708.9	1755.0	1836.9	1931.8	2002.4	2008.4	2014.8	2231.7	1899.8
55°	1835.9	1835.6	1864.2	1891.3	1985.0	2122.9	2276.2	2279.9	2234.0	2393.7	2036.1
57.5°	1944.2	1954.6	1998.2	2033.0	2163.9	2340.7	2553.4	2567.0	2464.2	2513.7	2170.9
60°	1909.7	1914.7	2011.3	2140.3	2386.7	2650.2	2834.0	2837.5	2637.3	2633.6	2341.2
62.5°	1627.0	1629.8	1781.5	2047.4	2499.6	3051.8	3172.4	3115.7	2836.3	2799.9	2545.1
65°	1115.2	1132.8	1259.6	1588.1	2292.3	3303.7	3696.3	3602.4	3139.7	3039.6	2729.4
67.5°	656.7	653.0	715.8	957.8	1683.6	3136.4	4359.0	4265.7	3553.4	3200.1	2675.4
70°	448.6	446.1	470.1	579.8	950.4	2433.0	4567.5	4755.9	3918.7	3092.0	2302.5
72.5°	320.2	321.6	357.0	450.5	596.7	1417.6	3927.8	4373.7	3804.3	2695.5	1750.2
75°	217.4	221.1	271.8	369.6	523.1	721.2	2787.3	3324.8	3097.9	1959.1	1006.0
77.5°	116.9	121.0	180.8	297.8	473.0	501.0	1793.0	2288.2	1945.9	880.7	291.6
80°	48.8	51.1	84.6	216.4	408.7	440.1	1054.9	1387.6	829.2	173.7	65.1
82.5°	21.1	22.3	35.2	129.1	305.5	371.5	558.5	667.5	251.3	38.1	32.7
85°	4.1	4.3	14.5	68.3	195.0	209.7	362.0	354.9	112.9	16.5	23.8
87.5°	0.0	0.0	3.5	21.5	57.3	114.2	220.9	218.2	38.3	7.9	8.9
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°	1375.4	1375.4	1375.4	1375.4	1375.4	1375.4	1375.4	1375.4	1375.4	1375.4	1375.4
2.5°	1364.5	1351.2	1323.1	1288.4	1261.9	1232.7	1209.4	1180.0	1167.2	1167.8	1160.8
5°	1333.9	1306.4	1244.3	1165.9	1105.5	1043.1	989.5	936.1	904.5	894.3	884.6
7.5°	1290.2	1246.6	1147.5	1026.7	924.5	824.6	737.6	661.2	612.8	589.1	580.4
10°	1240.8	1179.6	1036.2	877.0	731.0	595.9	483.2	385.3	346.2	319.6	312.9
12.5°	1197.4	1114.6	927.4	723.5	550.2	387.2	279.8	218.8	192.2	181.8	180.1
15°	1156.6	1053.8	822.6	584.5	381.0	238.3	177.9	157.2	151.0	149.3	149.3
17.5°	1118.1	995.9	720.2	447.6	252.1	167.1	147.3	142.7	140.7	140.6	140.7
20°	1077.8	938.0	619.5	328.0	176.0	141.5	136.1	133.6	133.0	133.0	133.0
22.5°	1039.3	880.1	521.6	234.3	141.1	129.1	126.4	124.7	124.1	123.9	123.5
25°	1002.3	825.1	425.9	165.5	123.9	118.3	116.0	113.6	111.9	110.9	110.4
27.5°	971.9	776.2	336.9	132.8	111.9	107.1	104.2	100.7	96.4	94.5	93.7
30°	947.7	731.4	259.6	112.1	100.7	95.8	91.4	85.4	79.2	75.9	75.7
32.5°	928.7	687.5	197.1	99.1	90.6	84.6	78.2	70.7	63.5	59.8	59.6
35°	919.4	648.8	150.6	89.6	81.7	74.2	66.2	57.9	50.9	47.4	47.0
37.5°	925.6	616.0	117.5	81.7	74.2	65.4	56.1	47.4	41.2	38.1	37.9
40°	948.3	595.1	95.4	74.9	67.8	57.1	47.0	38.9	33.7	31.2	31.0
42.5°	996.5	587.4	81.5	69.3	61.6	49.4	39.1	32.1	27.3	25.6	25.2
45°	1077.0	598.8	72.0	63.9	55.2	42.0	32.3	26.3	22.1	20.7	20.5
47.5°	1184.3	628.8	65.2	58.7	49.4	35.4	26.9	21.3	18.0	16.6	16.5
50°	1322.5	676.5	59.6	53.4	43.9	30.0	22.3	16.8	13.9	13.0	13.0
52.5°	1472.9	733.2	54.6	48.6	38.5	25.0	18.0	13.0	11.0	9.9	9.9
55°	1597.2	782.7	49.2	44.9	31.9	20.7	13.7	9.9	8.1	7.6	7.6
57.5°	1721.3	835.6	43.0	38.5	25.6	16.8	10.5	7.4	6.0	5.6	5.6
60°	1882.2	900.3	37.0	31.4	20.1	12.8	7.7	5.2	4.5	4.3	4.3
62.5°	2059.2	938.2	31.6	25.2	15.7	9.5	5.6	3.5	3.3	3.3	3.1
65°	2167.4	884.6	26.5	20.1	12.2	7.2	3.7	2.5	2.9	2.7	2.3
67.5°	2029.4	692.5	21.7	15.7	9.5	5.4	2.3	1.7	3.1	2.5	1.9
70°	1680.3	484.8	16.8	11.0	7.6	4.6	1.5	1.2	3.3	2.5	1.5
72.5°	1257.5	324.5	13.4	7.4	5.6	4.1	1.4	0.6	2.9	2.1	1.4
75°	687.1	130.7	10.6	4.6	3.5	2.9	1.0	0.4	1.9	1.5	1.0
77.5°	180.8	34.5	7.7	3.1	1.9	1.2	0.6	0.2	1.0	0.8	0.4
80°	46.1	13.4	5.0	2.1	1.4	0.6	0.0	0.0	0.2	0.0	0.0
82.5°	24.6	5.6	3.1	1.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	18.6	3.7	1.7	1.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.2	1.2	0.6	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)