

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: P322197

Luminaire Tested: **GAN-SA3B-730-U-T3-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P322197  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA3B-730-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11578 lumens  
Efficiency: N/A  
Efficacy: 93.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

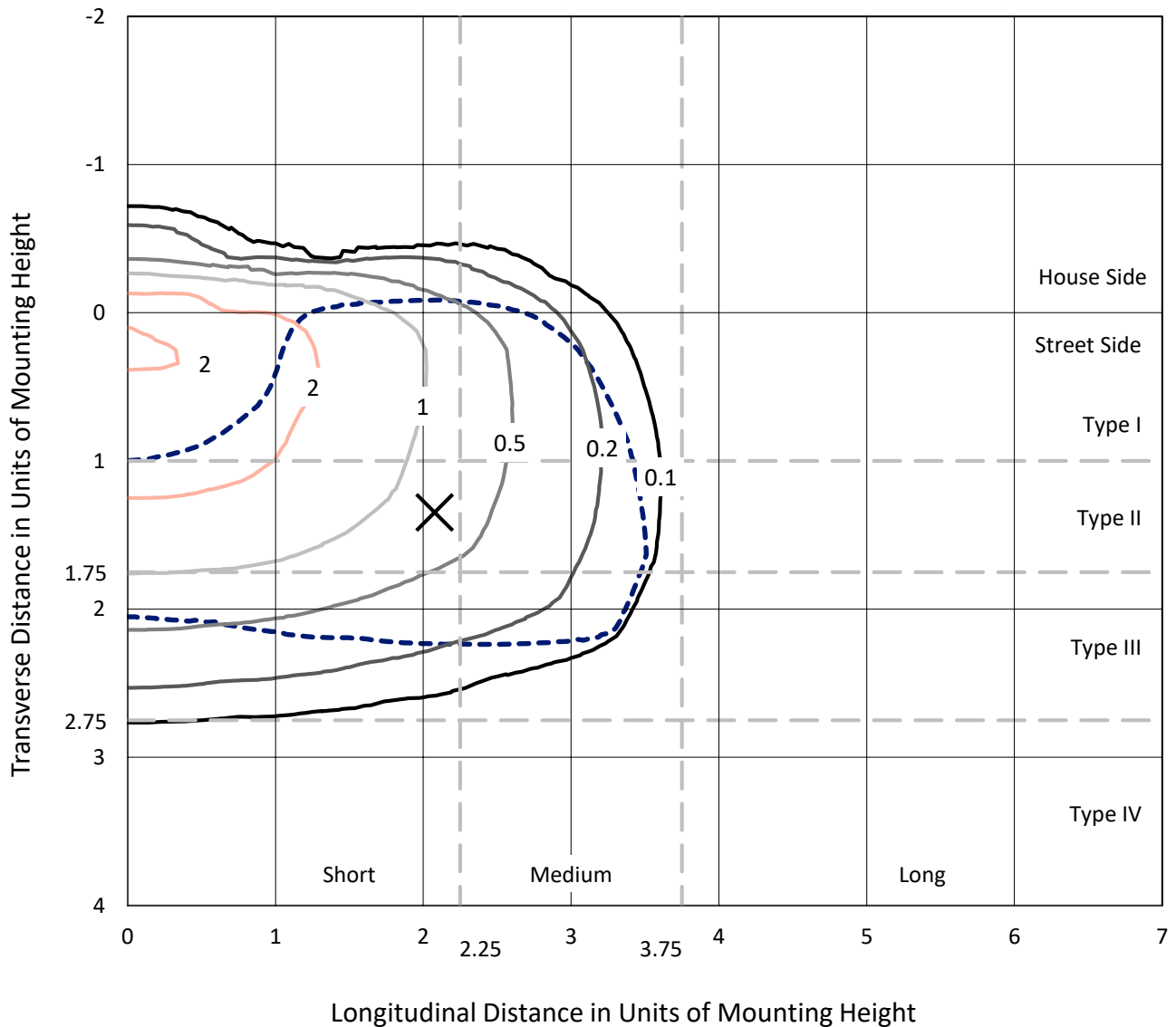
Input Watts (W): 124  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

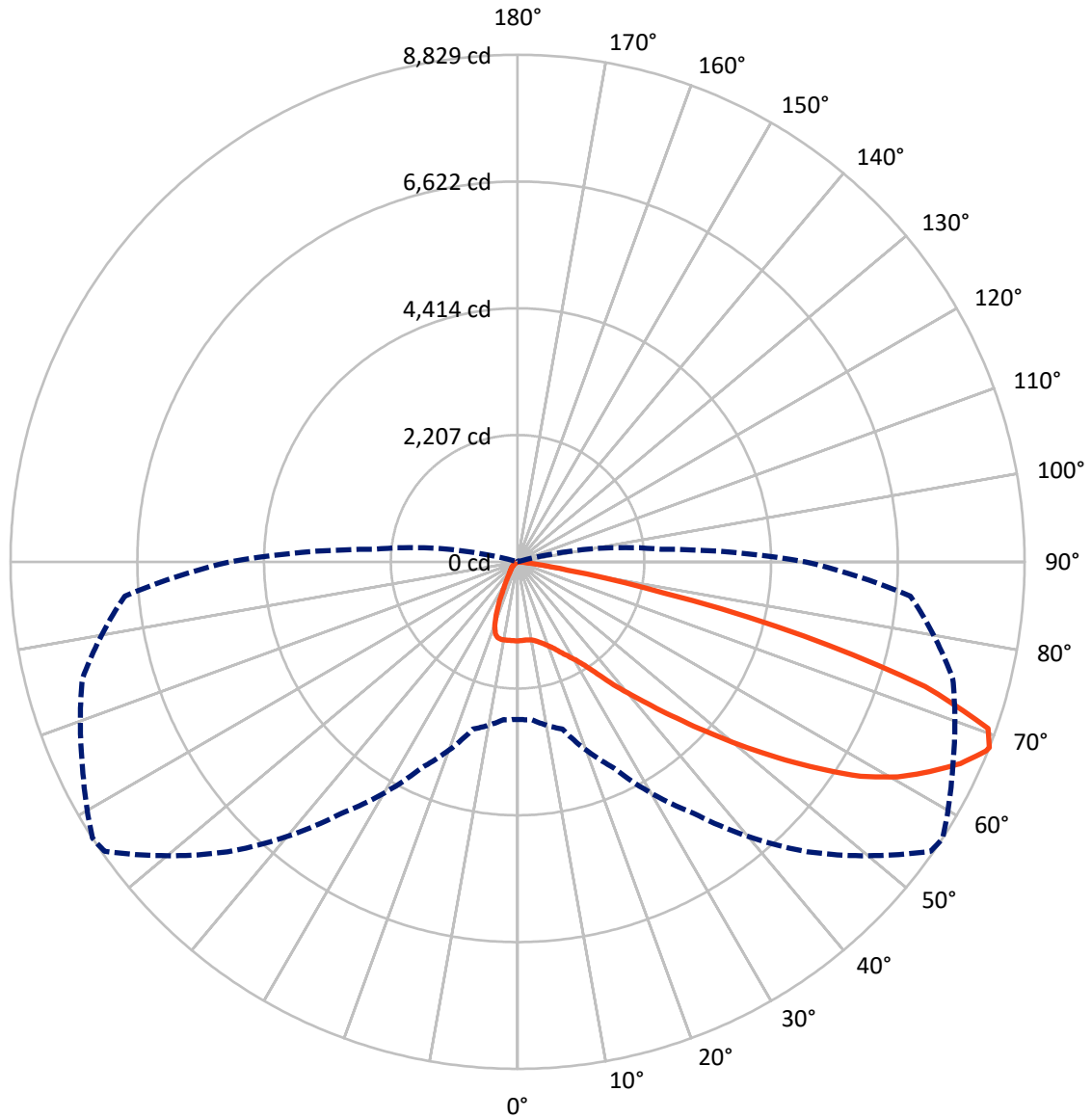
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical

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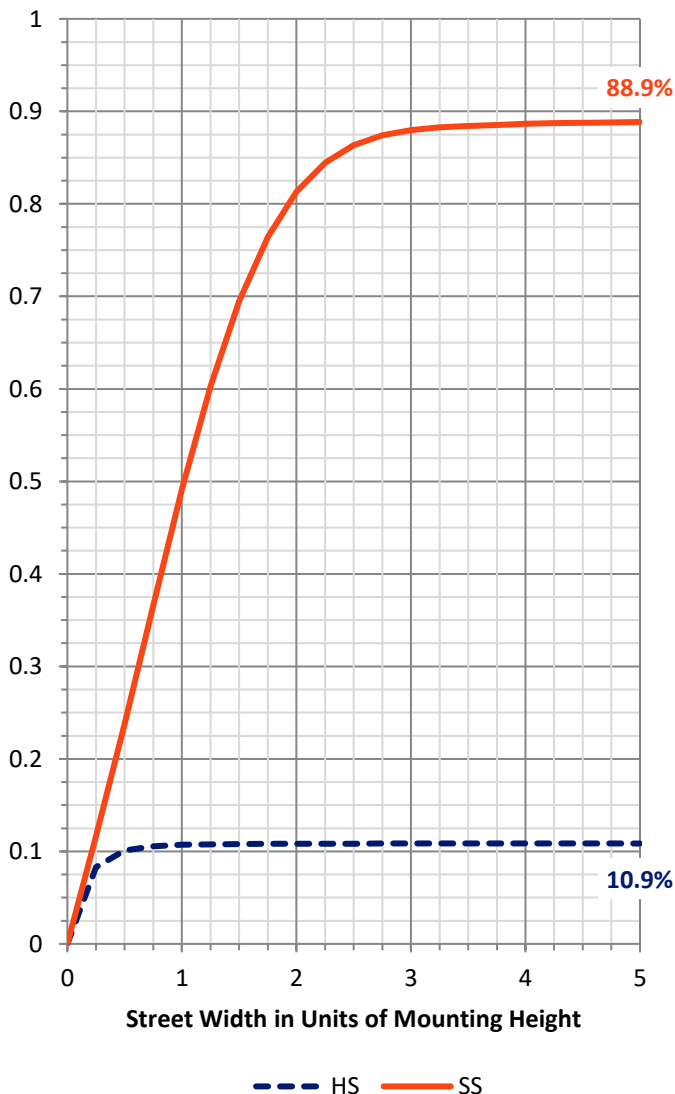
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1269.6	0.0	1269.6
	% Fixture	11.0	0.0	11.0
<b>Street Side</b>	Lumens	10308.4	0.0	10308.4
	% Fixture	89.0	0.0	89.0
<b>Total</b>	Lumens	11578.0	0.0	11578.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.8	1.1
10°-20°	356.8	3.1
20°-30°	615.5	5.3
30°-40°	1062.3	9.2
40°-50°	1817.1	15.7
50°-60°	2907.1	25.1
60°-70°	3358.9	29.0
70°-80°	1283.5	11.1
80°-90°	48.1	0.4
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°	11578.0	100.0
0°-180°	11578.0	100.0

**Coefficient of Utilization**



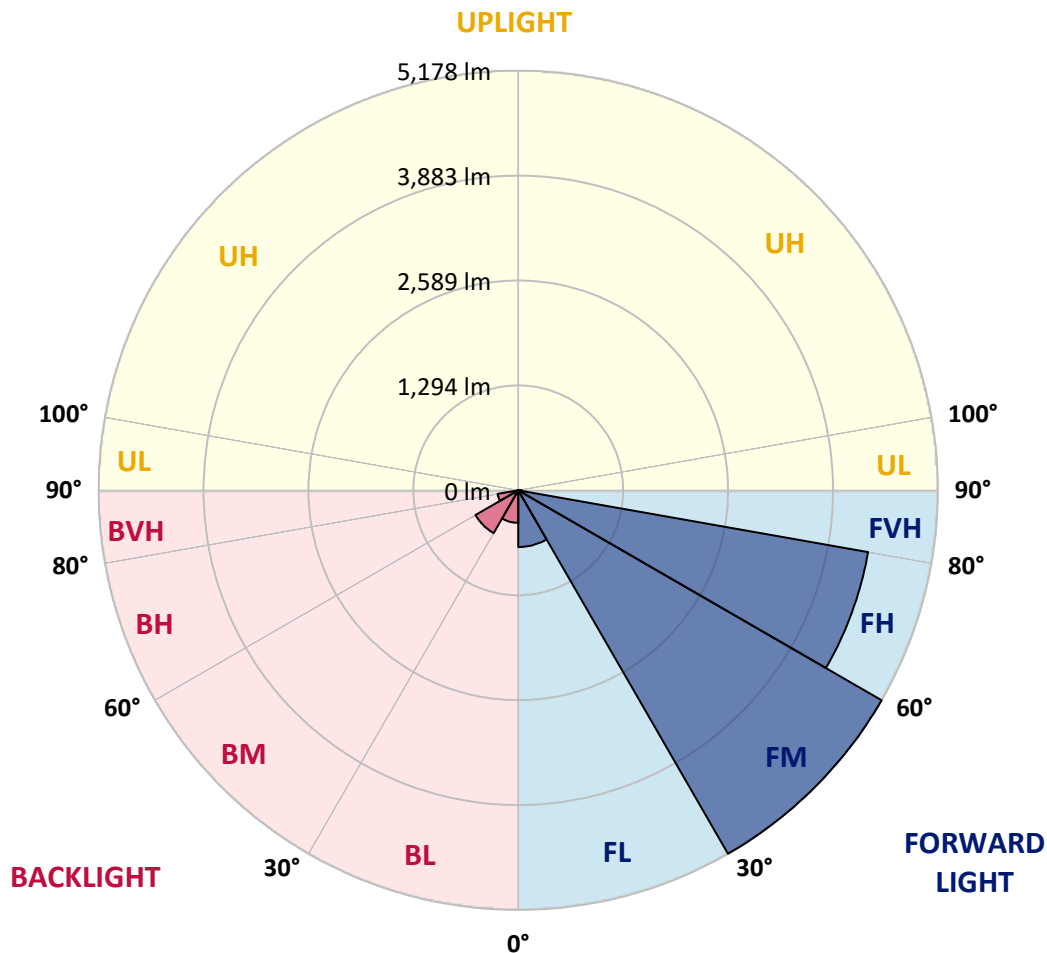
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	699.8	6.0			
FM (30°-60°)	5177.6	44.7			
FH (60°-80°)	4383.8	37.9			G2/5000
FVH (80°-90°)	47.2	0.4			G1/100
BL (0°-30°)	401.2	3.5	B1/500		
BM (30°-60°)	608.9	5.3	B1/1000		
BH (60°-80°)	258.6	2.2	B1/500		G1/500
BVH (80°-90°)	0.9	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 Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1375.8	1375.8	1375.8	1375.8	1375.8	1375.8	1375.8	1375.8	1375.8	1375.8	1375.8
2.5°	1343.5	1349.5	1353.9	1356.6	1359.9	1367.0	1369.2	1372.5	1374.1	1374.1	1378.0
5°	1290.4	1296.9	1306.2	1313.9	1329.2	1348.9	1363.2	1368.7	1378.5	1387.3	1392.2
7.5°	1241.1	1248.8	1259.7	1277.8	1304.1	1335.8	1365.4	1373.0	1392.2	1410.8	1420.1
10°	1209.3	1215.4	1229.6	1255.3	1289.8	1334.2	1375.8	1385.1	1417.9	1449.1	1466.7
12.5°	1198.4	1203.9	1218.7	1247.7	1290.4	1342.4	1399.9	1413.5	1461.7	1507.2	1531.8
15°	1214.3	1215.4	1231.2	1258.6	1300.8	1362.6	1439.8	1456.2	1517.0	1576.1	1606.8
17.5°	1275.6	1270.7	1278.9	1290.9	1324.3	1389.5	1482.0	1506.6	1587.6	1657.2	1686.2
20°	1428.9	1428.9	1410.3	1377.4	1378.0	1431.1	1538.9	1566.8	1665.9	1746.4	1772.7
22.5°	1691.1	1686.2	1649.0	1568.5	1494.6	1502.8	1608.4	1644.6	1760.1	1846.0	1854.8
25°	2006.4	2000.4	1942.9	1829.6	1701.5	1618.8	1702.6	1744.2	1872.3	1948.4	1930.4
27.5°	2340.4	2335.5	2278.5	2137.8	1955.5	1803.9	1814.8	1854.3	1986.7	2061.7	2004.3
30°	2663.9	2665.6	2609.2	2464.7	2258.3	2039.8	1957.2	1980.2	2097.9	2174.0	2091.9
32.5°	2971.6	2973.8	2925.1	2763.6	2570.9	2314.1	2154.3	2148.2	2227.1	2302.1	2207.9
35°	3245.9	3251.4	3218.0	3092.6	2888.4	2619.6	2409.9	2395.7	2410.5	2495.3	2385.8
37.5°	3510.3	3513.6	3488.4	3382.8	3212.0	2955.2	2732.9	2712.7	2680.9	2746.1	2620.7
40°	3799.9	3791.7	3762.7	3666.9	3520.2	3325.8	3080.0	3045.0	2989.7	3047.7	2929.5
42.5°	4069.3	4060.0	4064.9	3956.5	3832.8	3706.9	3484.6	3424.4	3392.1	3458.9	3308.3
45°	4406.0	4401.0	4417.5	4323.3	4223.1	4131.7	3948.3	3882.6	3868.4	3946.7	3766.5
47.5°	4738.3	4750.3	4801.2	4761.3	4720.8	4640.3	4439.4	4409.8	4418.6	4513.3	4249.9
50°	5015.3	5029.5	5169.1	5215.1	5273.7	5226.6	5025.2	5007.1	5041.6	5127.0	4770.0
52.5°	5215.7	5244.7	5418.2	5630.1	5843.6	5875.4	5674.4	5658.0	5704.6	5717.7	5171.9
55°	5354.7	5380.5	5577.0	5964.6	6399.3	6536.1	6411.3	6347.8	6339.1	6209.3	5594.5
57.5°	5379.4	5376.6	5659.1	6180.8	6835.1	7188.2	7109.3	7046.9	6867.4	6663.7	6079.0
60°	5240.3	5256.2	5584.1	6255.8	7108.8	7681.4	7687.5	7606.4	7326.7	7105.5	6548.7
62.5°	4812.2	4876.8	5208.0	6059.3	7105.5	7880.2	8111.2	8049.3	7714.8	7467.4	7025.0
65°	4118.0	4141.0	4456.9	5385.9	6625.4	7797.0	8492.8	8469.8	8064.7	7818.9	7269.7
67.5°	3007.2	2957.4	3289.2	4241.2	5609.3	7311.9	8766.5	8795.5	8334.6	7891.1	7009.2
68°	2744.4	2759.2	3017.6	3958.1	5343.2	7140.5	8784.6	8828.9	8361.4	7844.0	6866.8
70°	1635.8	1664.3	1894.8	2725.3	4064.9	6171.0	8589.7	8691.0	8201.5	7358.4	5939.4
72.5°	417.7	451.7	669.5	1219.7	2321.8	4347.9	7251.1	7422.5	7120.8	5969.5	4009.6
75°	171.9	180.7	239.2	401.8	865.0	1958.8	4779.3	5146.1	4936.5	3573.8	1812.1
77.5°	118.8	124.8	153.8	222.8	374.5	664.1	2343.1	2608.1	2349.7	1219.7	395.3
80°	85.4	90.3	110.0	148.4	215.2	237.1	763.7	883.1	701.3	267.7	98.0
82.5°	50.9	54.7	82.1	105.7	130.8	113.3	190.0	215.7	203.1	133.0	43.8
85°	25.2	29.6	55.3	75.5	70.6	47.6	58.0	64.6	79.9	81.0	23.5
87.5°	1.6	3.3	32.3	45.4	19.7	10.9	17.0	20.8	28.5	40.0	9.9
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°	1375.8	1375.8	1375.8	1375.8	1375.8	1375.8	1375.8	1375.8	1375.8	1375.8	1375.8
2.5°	1379.6	1380.2	1376.3	1374.7	1375.8	1369.2	1366.5	1367.6	1367.6	1369.2	1366.5
5°	1393.3	1393.3	1386.7	1378.0	1373.0	1360.4	1352.2	1350.0	1348.4	1347.3	1345.1
7.5°	1422.9	1419.6	1408.1	1388.9	1372.5	1345.1	1324.3	1313.4	1307.9	1305.7	1304.1
10°	1470.5	1464.5	1445.3	1409.7	1371.9	1323.2	1277.8	1245.5	1218.7	1207.7	1201.1
12.5°	1534.5	1525.8	1493.5	1434.4	1368.1	1278.3	1179.8	1085.1	996.9	960.8	942.7
15°	1608.4	1595.9	1544.9	1455.2	1345.7	1177.0	963.0	797.1	675.0	629.0	609.3
17.5°	1683.4	1667.0	1589.8	1468.3	1278.3	967.4	675.6	510.2	428.7	406.8	399.1
20°	1759.0	1734.9	1628.7	1458.4	1126.1	697.5	445.6	372.8	349.3	342.7	340.5
22.5°	1830.7	1793.5	1663.7	1420.1	891.8	468.1	352.6	329.6	321.9	318.1	317.0
25°	1893.1	1841.1	1694.4	1301.9	631.2	353.7	317.5	309.9	300.0	292.9	293.4
27.5°	1951.7	1888.7	1713.0	1107.0	421.0	302.2	294.0	283.6	265.5	255.1	255.1
30°	2022.3	1952.2	1726.7	851.9	309.9	267.2	260.6	244.7	220.1	206.4	206.4
32.5°	2128.5	2048.6	1717.9	597.8	256.8	234.9	219.5	197.6	170.8	157.7	157.1
35°	2291.1	2197.5	1655.5	392.0	226.6	204.2	179.6	152.7	129.2	118.3	117.7
37.5°	2510.1	2396.8	1515.4	280.3	203.1	175.7	146.2	116.6	99.1	92.0	91.4
40°	2794.2	2628.4	1315.0	227.2	181.2	148.4	112.8	90.3	78.3	72.8	73.4
42.5°	3135.3	2876.4	1074.7	196.0	159.9	122.1	88.1	71.2	63.5	59.7	58.6
45°	3514.2	3121.1	822.8	174.6	138.5	98.5	69.0	56.4	50.4	48.2	48.2
47.5°	3930.8	3359.2	602.2	156.0	115.5	76.1	55.3	46.0	41.1	39.4	38.9
50°	4309.1	3524.6	434.1	136.3	94.7	60.2	44.9	38.3	35.0	32.8	32.8
52.5°	4624.4	3576.6	319.7	115.0	76.6	48.2	37.2	32.8	29.6	27.9	27.9
55°	4902.0	3555.2	237.6	94.7	61.9	39.4	31.8	27.9	25.2	23.5	23.5
57.5°	5168.0	3486.2	177.4	77.2	49.8	31.8	26.8	23.5	20.8	19.7	19.7
60°	5385.4	3371.3	131.9	62.4	40.0	25.7	22.4	19.2	17.0	15.3	15.3
62.5°	5561.7	3244.3	96.9	51.5	31.8	20.3	17.5	15.9	12.6	10.9	10.9
65°	5562.8	3033.5	72.8	42.7	24.6	15.9	13.1	12.6	8.2	6.6	6.0
67.5°	5160.4	2615.2	55.8	36.7	19.2	12.0	9.9	10.4	4.4	2.7	2.2
68°	5014.2	2509.0	52.6	36.1	18.1	11.5	9.3	10.4	3.8	2.2	1.6
70°	4227.5	1996.0	42.2	35.0	15.9	8.8	7.7	10.4	3.3	1.6	1.1
72.5°	2703.9	1158.4	31.2	27.9	12.0	6.6	4.9	9.3	3.3	1.1	0.5
75°	1150.8	359.1	21.4	19.7	7.1	4.9	3.3	6.0	2.2	0.5	0.0
77.5°	242.5	81.0	12.6	12.0	4.9	3.3	2.2	1.6	0.5	0.0	0.0
80°	62.4	23.5	6.6	6.0	2.7	1.6	1.1	0.0	0.0	0.0	0.0
82.5°	19.7	9.3	3.8	2.7	1.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	9.9	5.5	2.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.5	1.6	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)