

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: P321956

Luminaire Tested: **GAN-SA2B-750-U-T2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P321956
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2B-750-U-T2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8318 lumens
Efficiency: N/A
Efficacy: 97.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

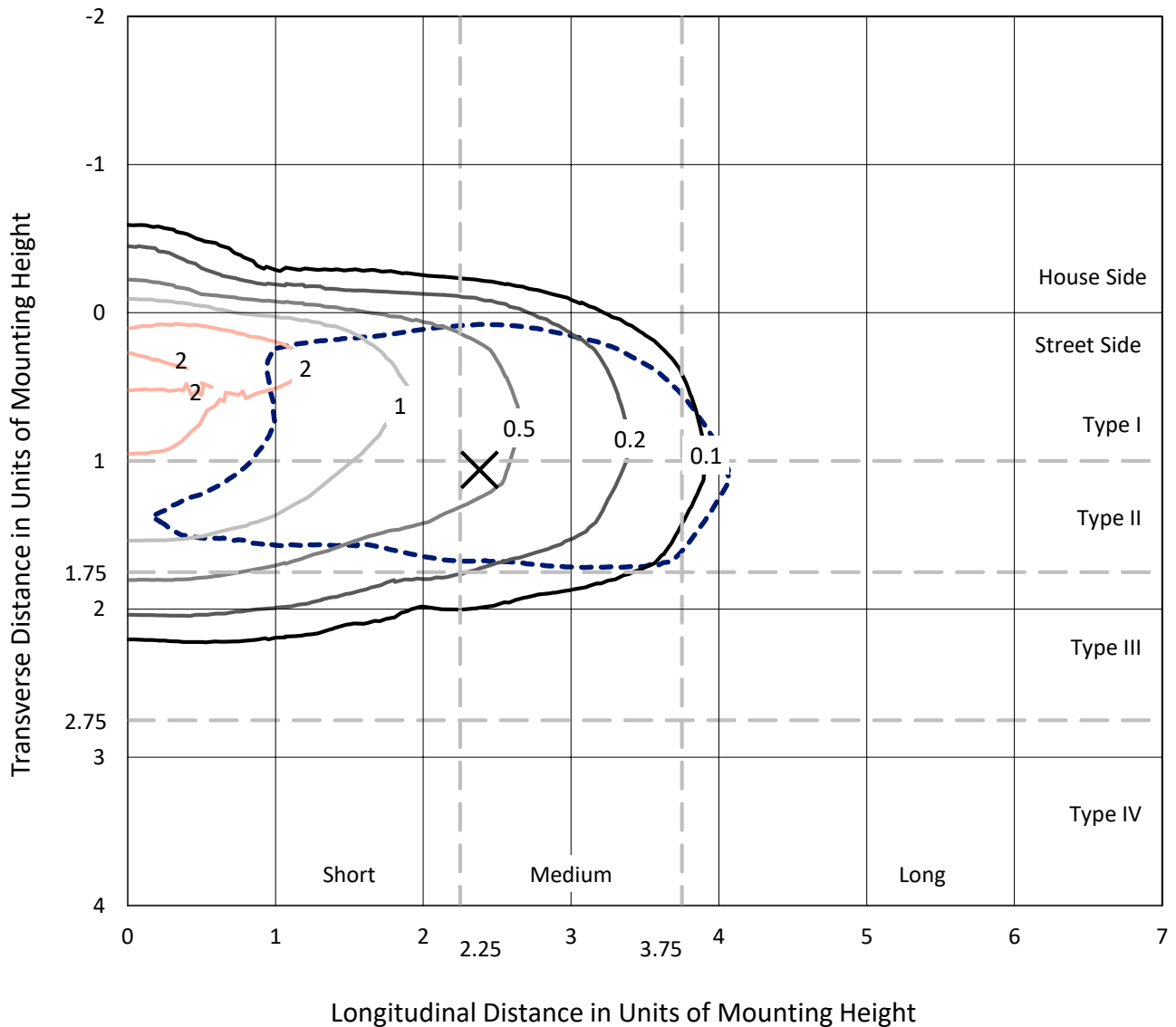
Input Watts (W): 85
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

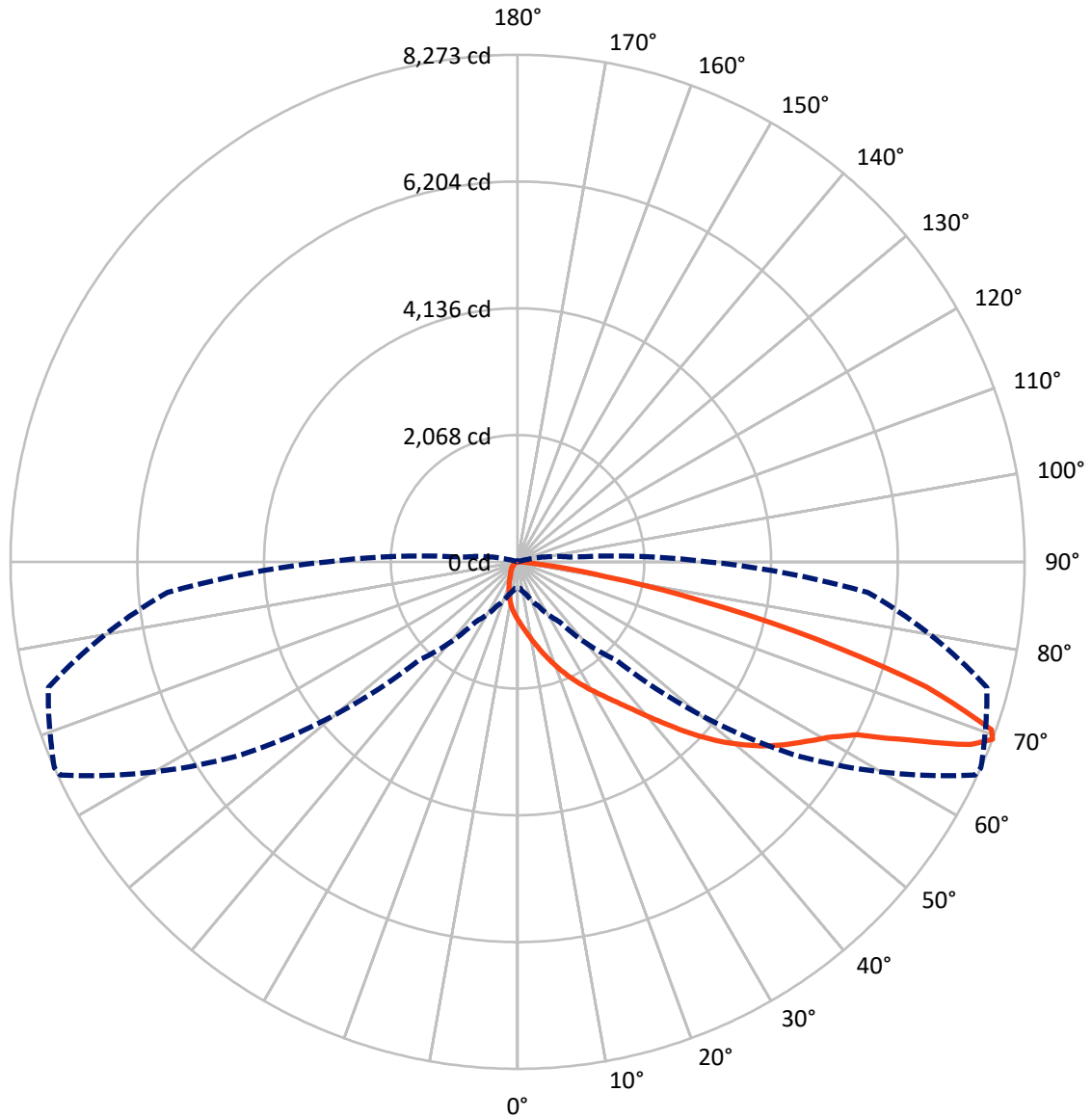
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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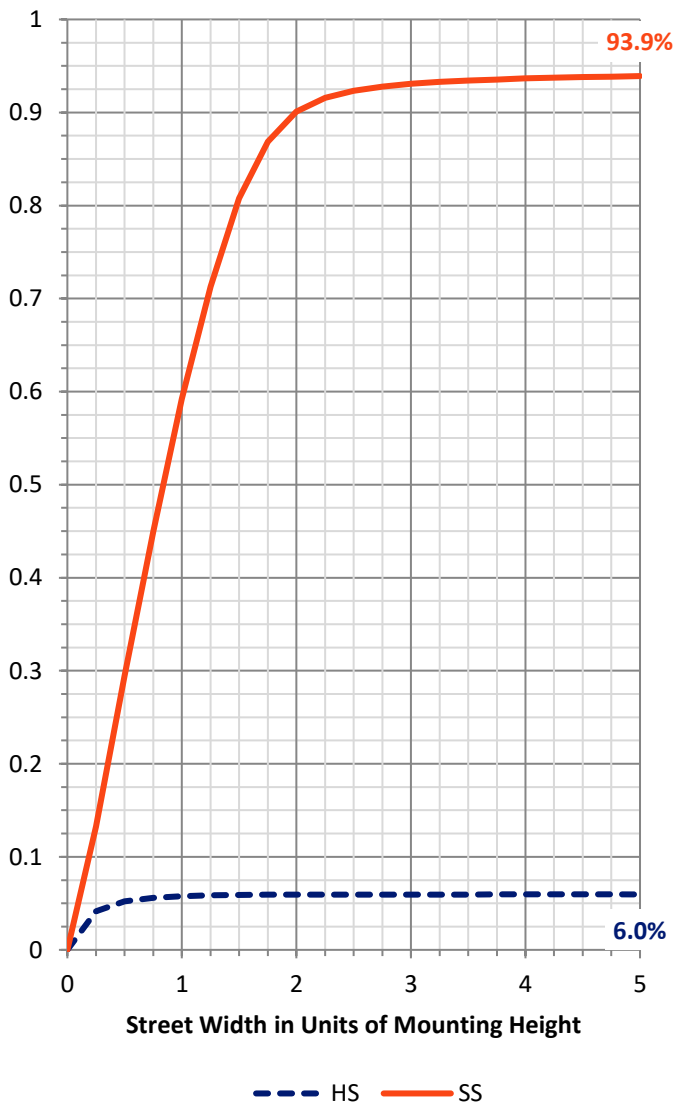
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	499.0	0.0	499.0
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	7819.0	0.0	7819.0
	% Fixture	94.0	0.0	94.0
Total	Lumens	8318.0	0.0	8318.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.5	1.1
10°-20°	272.3	3.3
20°-30°	474.2	5.7
30°-40°	832.0	10.0
40°-50°	1392.7	16.7
50°-60°	2047.1	24.6
60°-70°	2101.9	25.3
70°-80°	1037.6	12.5
80°-90°	68.6	0.8
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°	8318.0	100.0
0°-180°	8318.0	100.0

Coefficient of Utilization

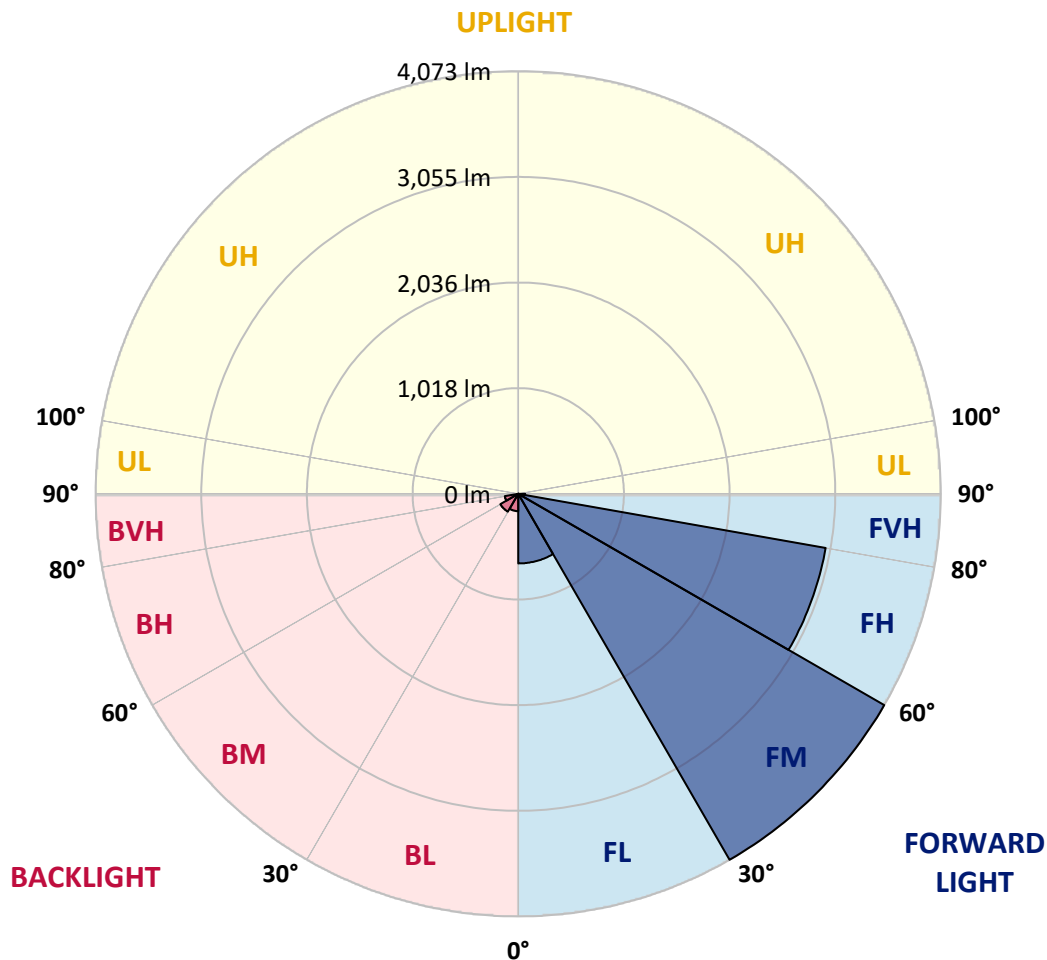


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	671.2	8.1			
FM (30°-60°)	4072.9	49.0			
FH (60°-80°)	3008.0	36.2			G2/5000
FVH (80°-90°)	67.0	0.8			G1/100
BL (0°-30°)	166.9	2.0	B1/500		
BM (30°-60°)	198.9	2.4	B0/220		
BH (60°-80°)	131.5	1.6	B1/500		G1/500
BVH (80°-90°)	1.7	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 II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	946.6	946.6	946.6	946.6	946.6	946.6	946.6	946.6	946.6	946.6	946.6
2.5°	1114.1	1109.4	1107.4	1098.7	1083.7	1072.3	1050.1	1024.4	1019.7	994.8	964.4
5°	1258.7	1254.8	1252.0	1239.8	1224.4	1195.5	1155.2	1107.4	1098.3	1050.9	990.1
7.5°	1359.5	1366.6	1366.6	1358.7	1339.3	1317.6	1268.2	1203.0	1191.6	1118.9	1024.4
10°	1418.3	1427.0	1433.8	1440.5	1437.7	1429.0	1382.4	1308.9	1295.1	1198.7	1064.3
12.5°	1423.9	1432.6	1451.5	1479.6	1506.8	1526.6	1497.4	1426.2	1410.4	1291.1	1111.8
15°	1393.1	1402.1	1431.4	1485.9	1551.9	1609.6	1619.0	1556.2	1540.0	1401.4	1171.0
17.5°	1339.3	1345.3	1387.1	1462.6	1566.1	1672.0	1729.3	1695.7	1680.7	1527.4	1237.0
20°	1299.4	1303.8	1340.5	1421.5	1557.4	1711.1	1833.6	1843.8	1828.0	1662.5	1308.5
22.5°	1367.8	1375.7	1376.9	1415.2	1533.7	1730.5	1925.2	1989.6	1977.8	1805.9	1378.8
25°	1554.6	1563.7	1533.7	1510.0	1553.9	1739.1	2003.9	2139.0	2129.5	1960.4	1449.6
27.5°	1801.6	1811.1	1772.3	1701.6	1659.3	1771.9	2073.8	2290.7	2290.3	2124.0	1525.8
30°	2044.2	2053.6	2014.1	1943.4	1846.2	1864.8	2134.2	2449.5	2451.9	2292.7	1606.8
32.5°	2298.6	2310.4	2269.7	2178.9	2077.3	2025.2	2219.2	2609.1	2622.6	2488.2	1698.1
35°	2587.8	2589.4	2532.1	2436.9	2319.9	2239.7	2355.5	2788.1	2820.1	2730.4	1813.8
37.5°	2871.5	2882.9	2835.9	2685.8	2578.3	2487.4	2558.2	3011.7	3057.1	3026.3	1965.1
40°	3081.6	3105.7	3099.0	2937.0	2835.1	2770.3	2809.8	3277.6	3335.3	3370.8	2156.0
42.5°	3213.6	3231.8	3262.6	3165.0	3072.5	3083.2	3106.9	3587.3	3658.5	3763.5	2375.2
45°	3364.9	3373.6	3399.3	3356.2	3293.8	3401.3	3422.2	3936.2	4010.9	4185.9	2618.6
47.5°	3549.8	3570.4	3577.5	3538.0	3509.5	3682.6	3726.0	4253.4	4358.1	4638.3	2876.2
50°	3785.3	3790.8	3803.1	3777.4	3748.9	3924.3	3998.6	4586.5	4681.7	5092.2	3130.2
52.5°	4015.6	4035.4	4078.0	4061.8	4050.4	4130.2	4241.6	4886.8	4993.0	5470.7	3383.9
55°	4082.0	4099.0	4246.3	4347.1	4440.3	4383.8	4473.9	5155.8	5270.8	5808.9	3628.0
57.5°	3816.9	3851.3	4106.5	4368.8	4755.6	4778.1	4793.1	5432.0	5535.1	6068.1	3882.1
60°	3146.8	3153.5	3572.3	4022.3	4703.4	5122.2	5259.3	5728.7	5815.2	6309.5	4186.3
62.5°	2001.5	2069.8	2529.3	3164.6	4151.9	5072.5	5823.1	6177.5	6209.1	6599.0	4622.5
65°	953.3	997.6	1328.7	1955.3	3007.4	4435.2	6212.3	6989.4	7003.6	7173.1	5205.2
67.5°	527.8	549.2	706.8	1052.5	1758.1	3136.6	6055.0	7951.0	7964.4	7759.4	5716.4
69°	412.9	431.0	555.1	793.3	1192.0	2254.3	5479.4	8232.7	8272.6	7927.3	5734.6
70°	350.4	368.2	478.0	670.1	958.5	1741.9	4877.3	8162.8	8205.1	7911.5	5599.1
72.5°	214.5	224.8	318.4	471.7	642.4	876.3	3007.8	6903.3	6974.8	7257.3	4812.1
75°	144.6	150.1	199.1	325.5	459.5	451.2	1562.5	4865.8	5020.7	5645.3	3554.2
77.5°	103.5	108.6	133.5	210.6	322.0	297.9	707.6	3024.0	3057.1	3385.8	1938.3
80°	58.9	63.6	94.4	125.2	218.5	198.7	281.3	1444.4	1461.0	1451.9	647.1
82.5°	30.8	34.8	51.8	82.6	140.3	130.0	116.9	483.6	486.0	404.2	141.8
85°	5.9	7.1	25.7	56.5	72.3	56.5	47.8	113.4	115.8	102.3	35.2
87.5°	0.0	0.4	10.3	12.6	14.2	14.6	15.4	22.1	23.7	32.0	9.5
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°	946.6	946.6	946.6	946.6	946.6	946.6	946.6	946.6	946.6	946.6	946.6
2.5°	951.0	936.7	909.5	877.9	853.4	829.3	810.3	790.6	783.4	779.9	779.5
5°	960.4	930.4	872.7	813.5	764.9	719.0	686.3	655.0	640.4	633.7	630.9
7.5°	976.2	928.0	835.2	744.7	674.8	617.5	572.1	538.1	521.1	514.0	511.2
10°	994.8	924.9	791.3	672.0	582.7	523.5	478.4	444.9	426.3	418.4	414.4
12.5°	1016.5	919.4	740.8	598.5	504.1	444.9	390.3	348.9	327.5	318.4	314.1
15°	1043.4	913.8	687.8	529.4	435.0	362.7	303.0	275.0	270.6	269.1	269.4
17.5°	1069.9	905.1	630.2	461.1	362.3	283.3	252.9	251.3	252.1	252.1	252.1
20°	1093.6	885.4	567.3	402.6	293.2	239.0	232.7	229.9	228.0	226.4	224.4
22.5°	1112.2	858.9	506.9	344.5	239.4	218.9	209.0	200.3	193.2	188.5	186.1
25°	1124.8	823.7	451.6	288.8	215.3	199.1	181.3	166.7	155.7	148.9	146.2
27.5°	1134.3	785.8	402.2	241.8	198.7	176.2	152.9	135.5	124.1	118.1	115.8
30°	1141.0	742.8	358.7	212.6	180.2	152.1	127.2	110.2	101.9	98.8	97.2
32.5°	1147.3	694.9	317.6	198.7	162.8	130.0	106.7	93.6	88.5	84.5	83.4
35°	1163.1	650.7	278.5	184.1	145.0	111.0	91.7	82.2	77.0	74.7	73.9
37.5°	1200.7	617.9	241.0	169.1	127.2	96.0	80.2	73.5	68.7	66.4	65.6
40°	1261.1	601.3	209.4	152.9	109.8	84.5	72.7	66.4	61.2	57.7	56.9
42.5°	1350.0	603.7	187.3	136.7	96.0	75.5	65.6	58.1	52.5	49.4	48.6
45°	1457.9	621.1	171.9	120.9	84.5	68.3	57.7	49.8	44.6	41.9	41.1
47.5°	1574.8	649.1	159.2	106.7	75.5	61.6	49.8	41.5	37.1	34.8	34.4
50°	1698.1	676.4	146.2	92.8	67.6	54.9	41.9	34.4	30.8	28.8	28.1
52.5°	1822.9	708.0	134.3	80.2	60.8	47.0	34.8	28.1	25.3	23.7	22.9
55°	1957.2	731.7	122.9	70.3	54.1	39.9	28.8	23.3	20.9	19.0	18.6
57.5°	2115.3	768.4	111.0	60.8	46.2	33.2	23.7	18.6	16.6	14.6	14.2
60°	2328.6	811.5	98.4	53.7	37.9	27.3	19.4	15.0	12.6	11.1	10.7
62.5°	2609.9	859.3	82.6	47.0	30.8	22.1	15.4	11.9	9.1	7.1	7.1
65°	2966.7	937.1	67.6	39.5	25.3	18.2	11.9	8.7	5.1	3.2	3.2
67.5°	3174.9	950.6	54.5	32.4	20.5	15.4	9.9	5.9	1.6	0.4	0.0
69°	3108.1	872.7	46.2	27.7	17.8	14.6	9.1	4.3	0.8	0.0	0.0
70°	2982.5	798.1	40.7	24.5	16.2	13.8	8.7	3.2	0.8	0.0	0.0
72.5°	2464.5	568.1	30.8	18.2	11.9	12.2	7.9	2.0	0.8	0.0	0.0
75°	1795.3	345.3	22.1	12.6	7.5	9.1	5.5	0.8	0.4	0.0	0.0
77.5°	998.8	162.8	13.8	7.1	4.7	5.5	2.8	0.0	0.0	0.0	0.0
80°	324.4	44.2	6.3	4.0	2.8	3.2	1.2	0.0	0.0	0.0	0.0
82.5°	60.1	12.6	3.6	2.0	0.8	0.8	0.0	0.0	0.0	0.0	0.0
85°	13.0	5.1	2.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.3	1.6	0.4	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)