

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: P450372

Luminaire Tested: **GLAN-SA1A-830-U-SL3-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P450372
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1A-830-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 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: 3042 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

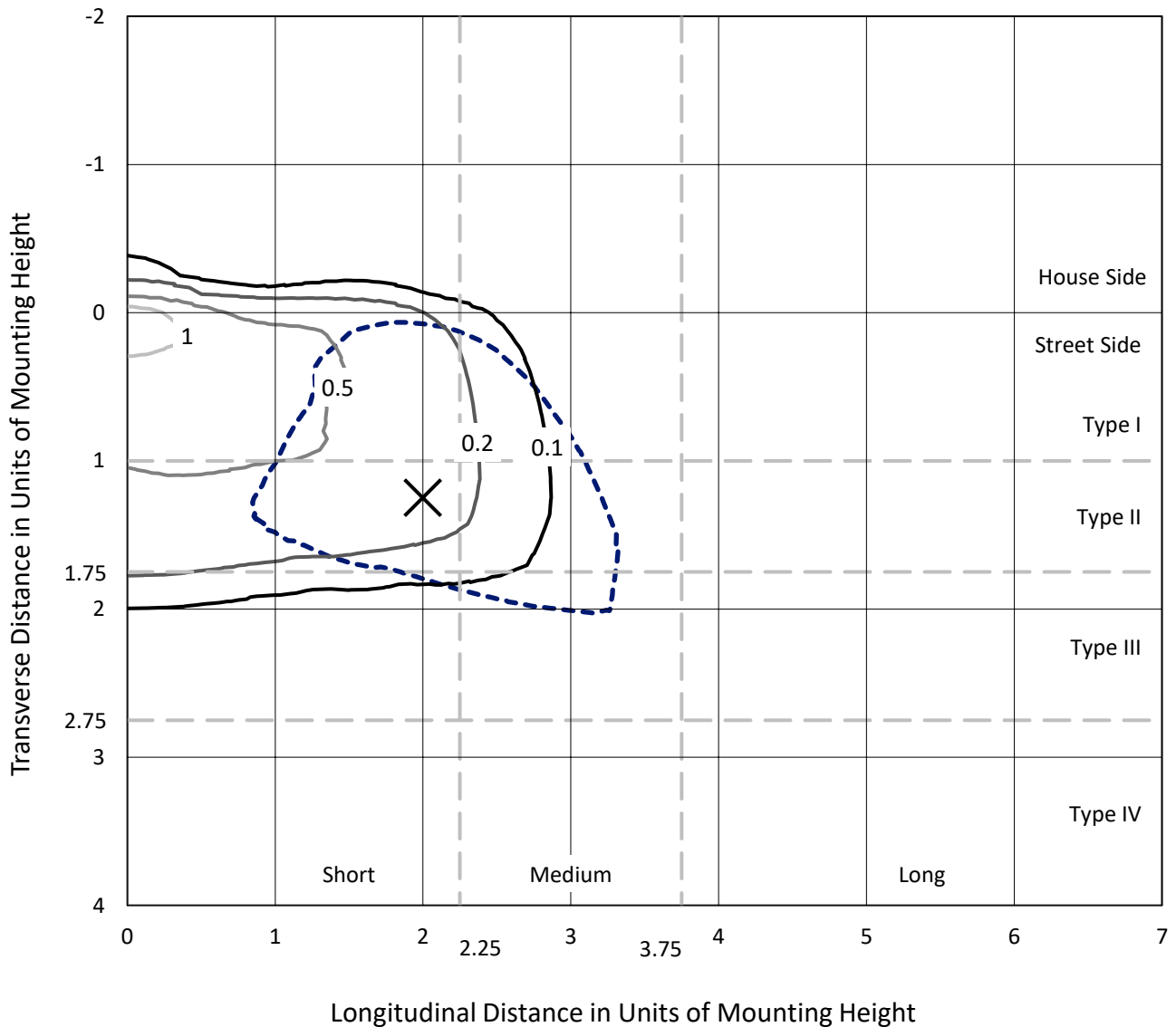
Input Watts (W): 33
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

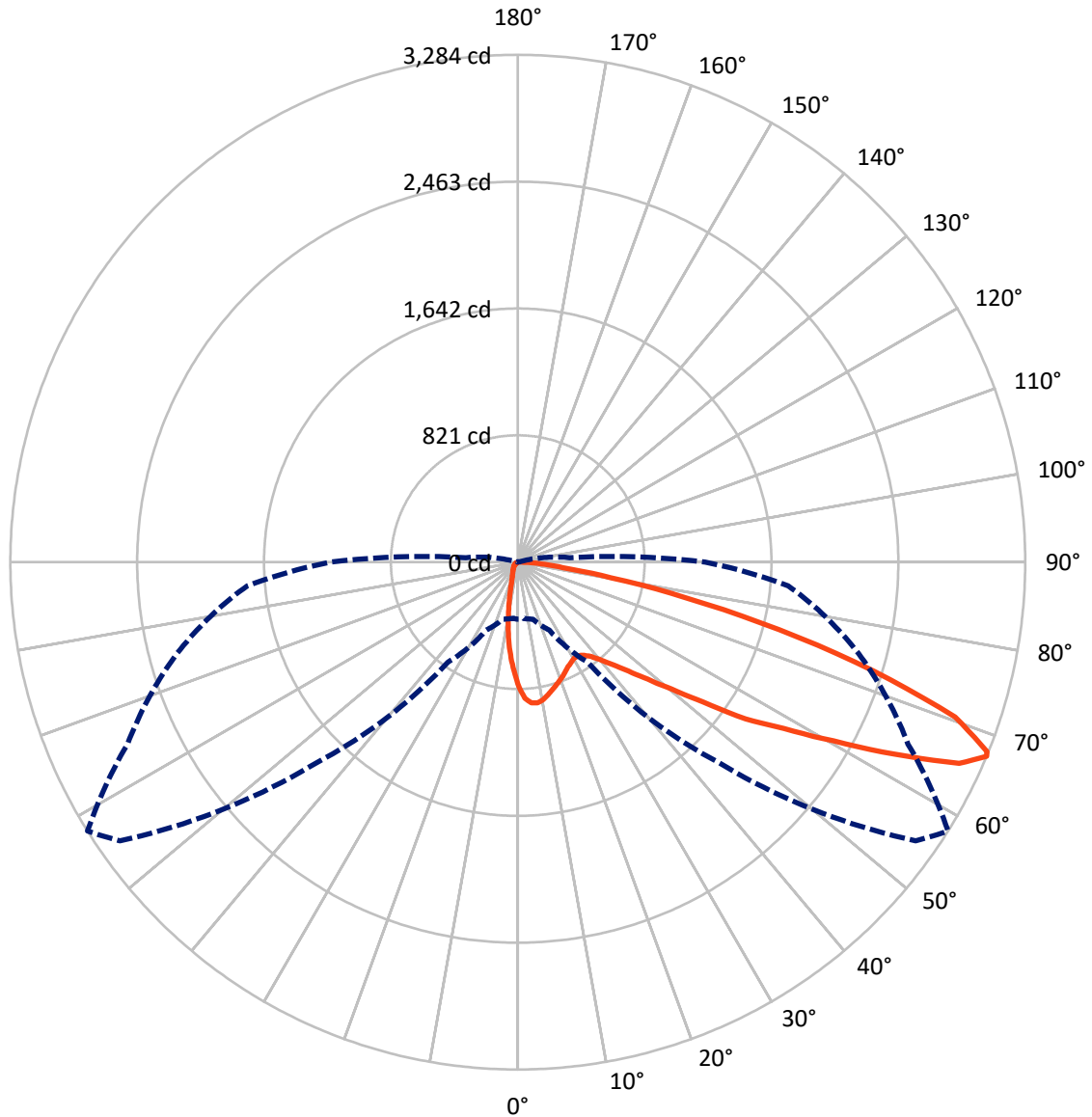
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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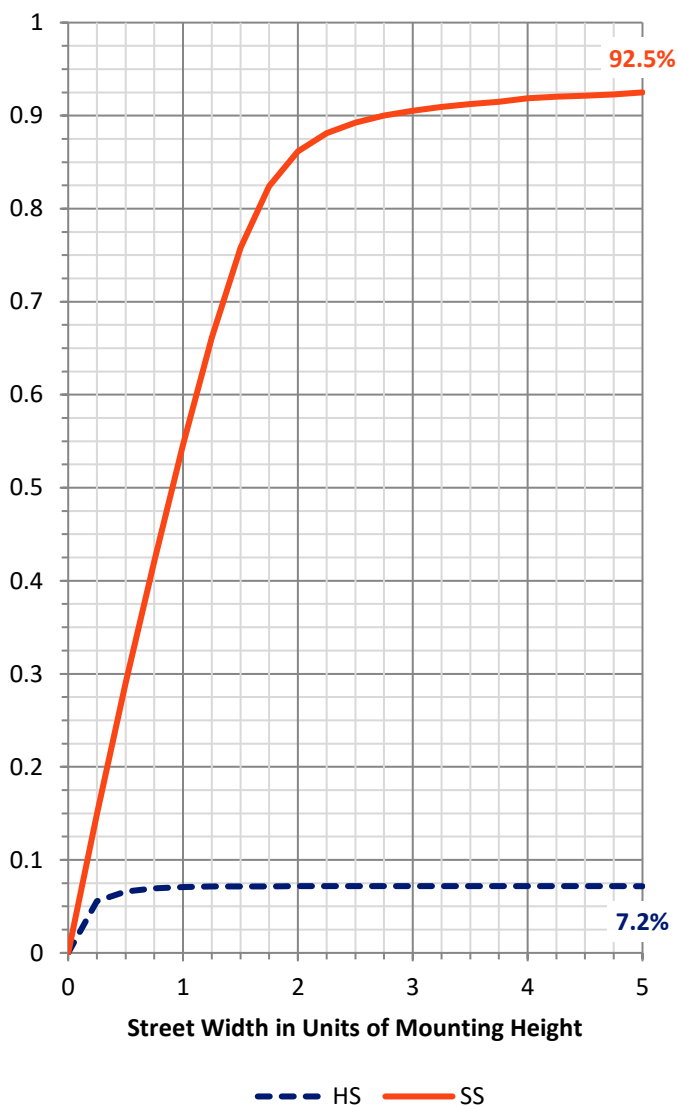
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	219.5	0.0	219.5
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	2822.5	0.0	2822.5
	% Fixture	92.8	0.0	92.8
Total	Lumens	3042.0	0.0	3042.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.4	2.2
10°-20°	141.3	4.6
20°-30°	191.5	6.3
30°-40°	265.6	8.7
40°-50°	423.6	13.9
50°-60°	732.3	24.1
60°-70°	836.5	27.5
70°-80°	348.7	11.5
80°-90°	37.0	1.2
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°	3042.0	100.0
0°-180°	3042.0	100.0

Coefficient of Utilization



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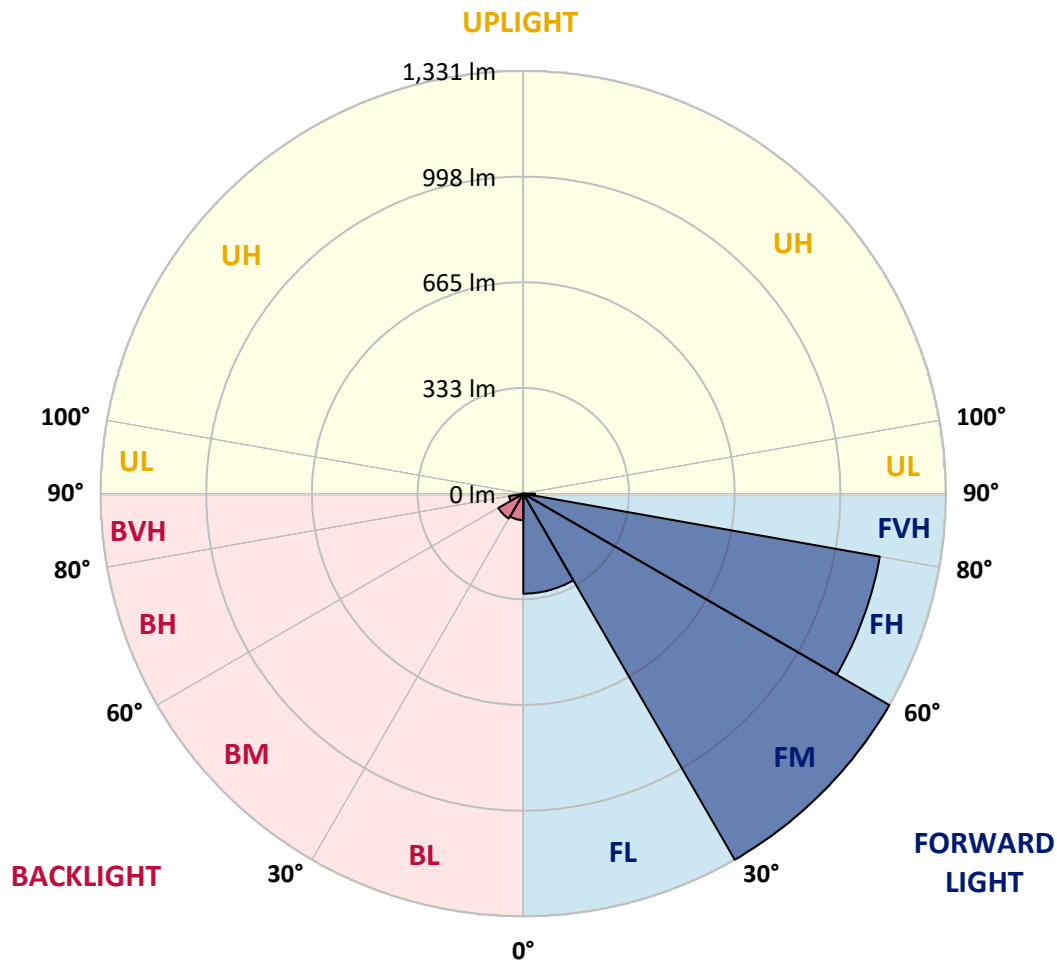
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	314.9	10.4			
FM (30°-60°)	1331.0	43.8			
FH (60°-80°)	1139.8	37.5			G1/1800
FVH (80°-90°)	36.7	1.2			G1/100
BL (0°-30°)	83.4	2.7	B0/110		
BM (30°-60°)	90.5	3.0	B0/220		
BH (60°-80°)	45.4	1.5	B0/110		G0/110
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	806.4	806.4	806.4	806.4	806.4	806.4	806.4	806.4	806.4	806.4	806.4
2.5°	935.9	937.3	932.0	927.8	916.8	905.0	889.3	881.0	866.8	842.2	814.9
5°	957.8	959.7	958.9	957.8	953.6	942.2	922.3	915.0	894.0	854.0	804.8
7.5°	909.1	915.8	916.6	924.5	932.0	933.0	925.5	920.0	900.7	853.8	786.7
10°	844.4	848.9	855.4	864.5	882.6	897.7	905.0	904.2	893.0	847.5	765.5
12.5°	779.2	781.6	791.6	807.2	829.4	855.0	874.5	878.4	878.6	839.9	747.9
15°	723.1	722.0	729.8	747.9	779.0	811.1	846.0	852.1	861.9	832.6	731.4
17.5°	675.1	680.4	681.6	701.5	730.2	771.8	816.4	827.1	846.7	826.3	717.8
20°	645.4	648.3	650.9	662.1	687.9	731.8	788.5	803.4	832.4	820.6	702.5
22.5°	636.7	638.5	636.3	639.7	658.0	697.0	758.2	777.9	818.8	815.4	690.1
25°	643.4	645.2	639.9	635.9	642.2	668.8	729.0	752.9	807.8	814.3	680.8
27.5°	659.6	663.1	655.8	648.5	644.8	653.5	706.0	733.8	800.3	819.2	676.5
30°	685.0	687.1	681.6	672.6	664.3	655.6	694.0	720.6	798.3	830.6	676.1
32.5°	712.7	717.0	713.9	708.0	697.2	676.5	697.4	721.0	803.2	847.1	681.2
35°	746.8	751.7	754.6	753.4	739.5	713.7	719.4	739.3	816.2	877.4	695.0
37.5°	780.4	784.7	800.7	806.2	794.0	769.6	762.1	775.3	844.8	917.0	720.0
40°	818.8	824.5	847.1	868.0	862.1	836.5	822.7	833.6	888.7	976.8	767.4
42.5°	855.6	865.8	900.1	937.1	942.6	913.9	904.8	908.5	953.8	1062.7	833.4
45°	907.8	917.4	961.7	1011.9	1037.7	1015.4	1006.0	1005.4	1043.0	1183.7	940.6
47.5°	983.3	991.8	1044.0	1093.6	1139.6	1142.6	1124.9	1131.0	1155.2	1325.2	1071.9
50°	1075.8	1095.9	1130.2	1181.9	1243.3	1292.9	1298.3	1290.2	1310.9	1489.0	1229.6
52.5°	1210.1	1217.8	1249.4	1291.8	1363.8	1448.0	1513.2	1502.0	1495.5	1645.1	1389.0
55°	1310.3	1320.7	1369.7	1428.0	1533.5	1644.5	1786.0	1789.9	1707.7	1795.2	1544.9
57.5°	1280.0	1295.9	1370.1	1487.4	1719.3	1922.2	2027.5	2030.1	1904.1	1940.9	1721.0
60°	1124.5	1132.1	1238.4	1394.9	1735.2	2223.1	2370.0	2348.7	2103.9	2103.9	1876.5
62.5°	797.5	809.3	895.4	1125.8	1567.1	2327.5	2780.2	2736.1	2379.2	2259.8	1969.2
65°	509.6	498.2	555.4	710.7	1167.4	2173.3	3137.4	3140.0	2638.1	2322.3	1918.5
67°	369.2	364.7	381.1	485.8	791.6	1826.9	3144.9	3284.2	2786.9	2282.8	1756.7
67.5°	337.6	341.1	353.1	438.3	719.2	1662.4	3110.8	3275.6	2820.5	2259.0	1698.2
70°	255.9	250.0	263.0	310.0	431.2	1048.7	2676.0	3004.3	2778.8	2023.0	1356.9
72.5°	188.2	187.6	205.7	253.5	332.0	558.6	2008.8	2408.9	2270.2	1540.4	854.4
75°	127.0	132.7	161.6	211.8	300.9	362.2	1369.5	1747.6	1576.0	874.7	349.2
77.5°	72.4	72.8	104.1	170.1	270.2	291.5	811.5	1113.4	834.3	290.9	103.7
80°	31.3	34.4	51.6	123.6	224.0	258.2	465.3	611.9	337.4	61.6	33.5
82.5°	11.6	13.6	22.8	76.0	163.4	212.6	281.1	292.1	114.4	21.8	20.9
85°	0.0	0.4	8.3	35.6	85.2	94.9	187.8	173.2	50.6	10.4	13.6
87.5°	0.0	0.0	0.0	3.7	11.2	35.4	58.3	65.0	12.2	3.7	3.3
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°	806.4	806.4	806.4	806.4	806.4	806.4	806.4	806.4	806.4	806.4	806.4
2.5°	800.3	787.1	754.0	720.8	696.2	675.7	644.8	627.9	619.0	605.8	606.6
5°	780.2	753.4	695.0	634.6	585.8	538.3	481.4	458.4	439.1	428.1	420.8
7.5°	750.3	710.7	624.3	543.8	468.8	385.6	323.2	281.5	253.5	243.1	233.2
10°	717.6	664.9	552.5	440.9	336.8	251.0	198.2	160.0	146.4	133.8	135.0
12.5°	687.3	623.3	486.6	348.0	236.0	159.6	124.4	108.8	104.3	102.9	102.9
15°	662.5	583.4	415.9	261.6	161.8	114.6	99.6	95.3	93.7	93.3	93.3
17.5°	636.1	545.6	352.1	193.3	117.7	95.9	90.9	88.0	87.4	87.0	87.0
20°	612.5	507.6	291.5	143.9	95.1	86.4	83.1	81.3	80.7	80.3	80.5
22.5°	590.1	473.8	234.6	108.8	83.8	78.7	75.4	73.6	72.4	71.4	71.6
25°	570.2	441.3	188.6	89.0	75.4	70.9	67.7	65.0	62.4	61.2	61.0
27.5°	556.2	412.9	147.0	76.2	67.9	63.0	59.0	55.7	52.2	50.4	50.0
30°	544.6	384.0	116.3	67.3	60.4	55.7	50.6	45.9	42.3	40.5	39.6
32.5°	537.1	356.6	91.7	60.0	54.1	48.4	42.7	38.0	33.9	32.1	31.7
35°	535.8	333.6	75.0	53.9	48.4	42.3	36.4	31.3	27.8	26.0	25.6
37.5°	544.6	315.9	62.8	49.0	43.7	37.0	30.5	25.8	22.8	21.3	21.1
40°	568.0	304.7	54.5	44.9	39.4	32.1	26.0	22.0	18.9	17.5	17.5
42.5°	612.5	305.1	49.0	41.1	35.2	27.4	22.2	18.3	15.7	14.4	14.0
45°	682.0	318.9	44.3	37.2	31.1	23.8	18.9	15.0	12.4	11.4	11.4
47.5°	775.1	346.4	40.2	33.3	27.4	20.3	16.1	12.2	10.0	8.9	8.9
50°	896.9	390.5	36.8	30.1	24.4	17.5	13.0	10.0	7.7	6.9	6.7
52.5°	1024.1	445.0	32.7	27.2	20.9	14.8	10.6	7.7	5.9	5.3	5.1
55°	1164.6	498.2	28.9	24.4	17.1	12.4	8.3	6.1	4.3	3.7	3.7
57.5°	1306.3	550.5	24.2	20.3	13.4	9.1	6.5	4.5	2.8	2.2	2.2
60°	1426.2	567.4	20.5	16.5	10.2	6.5	4.7	2.8	1.6	1.0	1.0
62.5°	1442.7	510.4	17.3	12.6	7.3	4.5	2.4	1.6	0.6	0.4	0.4
65°	1353.2	414.7	14.4	9.6	4.9	2.2	1.0	0.6	0.2	0.0	0.0
67°	1212.6	336.2	11.8	7.1	3.5	1.4	0.6	0.2	0.0	0.0	0.0
67.5°	1176.6	320.6	11.4	6.7	3.0	1.2	0.4	0.2	0.0	0.0	0.0
70°	923.3	240.1	8.1	4.1	1.8	0.8	0.0	0.0	0.0	0.0	0.0
72.5°	573.9	135.8	5.9	2.4	1.2	0.4	0.0	0.0	0.0	0.0	0.0
75°	216.9	47.6	4.1	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	67.5	18.1	2.4	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0
80°	22.8	6.9	1.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	14.0	2.8	1.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	8.7	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.6	0.4	0.2	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)