

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: P649691

Luminaire Tested: **GLAN-SA1A-835-U-SL2-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P649691
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1A-835-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3500K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2965.2 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

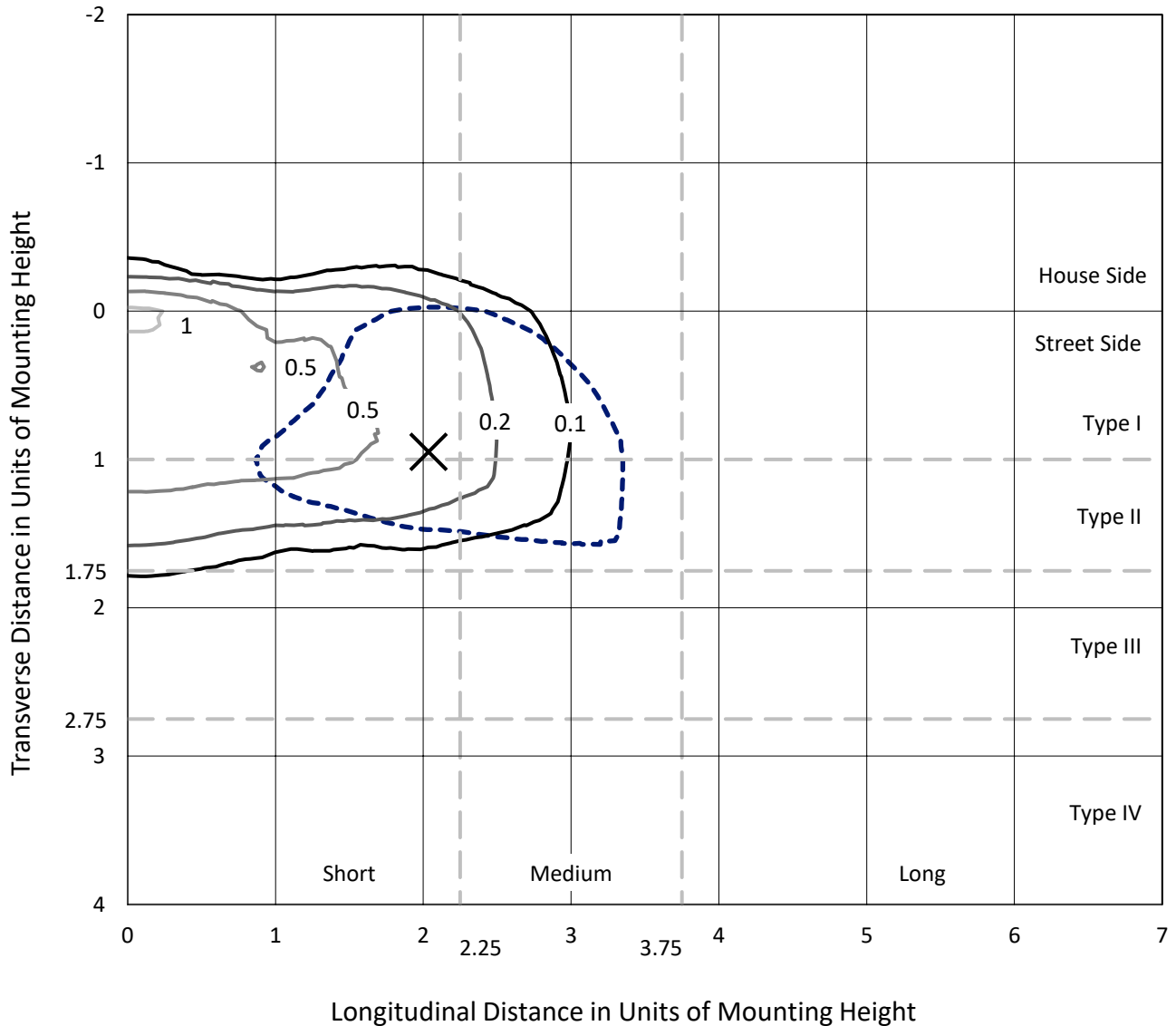
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

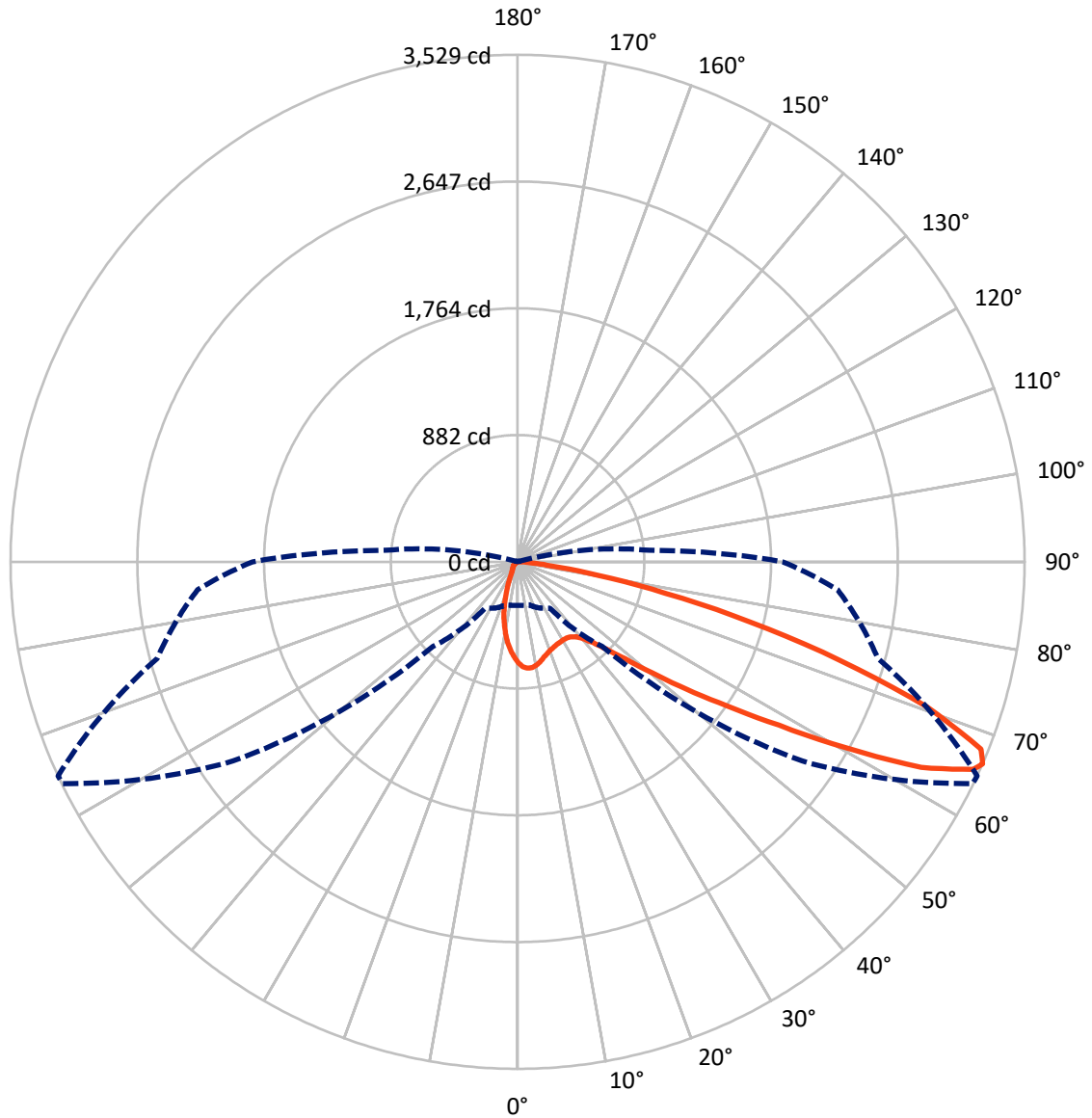
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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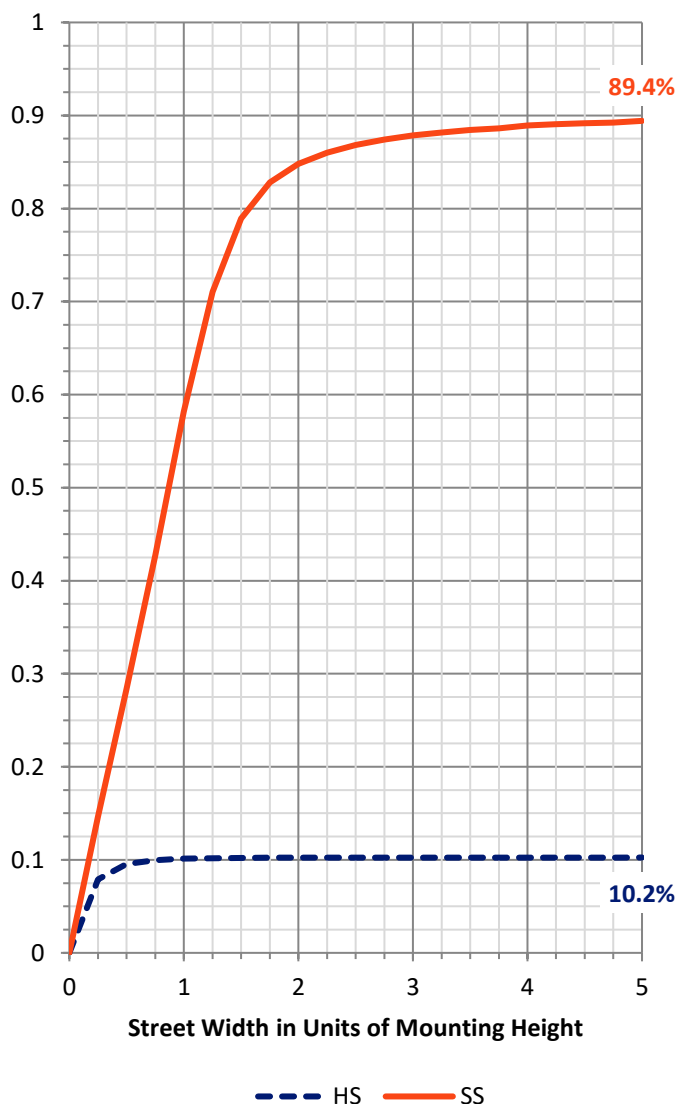
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	306.6	0.0	306.6
	% Fixture	10.3	0.0	10.3
Street Side	Lumens	2658.6	0.0	2658.6
	% Fixture	89.7	0.0	89.7
Total	Lumens	2965.2	0.0	2965.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.5	1.9
10°-20°	125.3	4.2
20°-30°	179.5	6.1
30°-40°	262.2	8.8
40°-50°	439.6	14.8
50°-60°	733.6	24.7
60°-70°	778.7	26.3
70°-80°	352.7	11.9
80°-90°	36.1	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°	2965.2	100.0
0°-180°	2965.2	100.0

Coefficient of Utilization



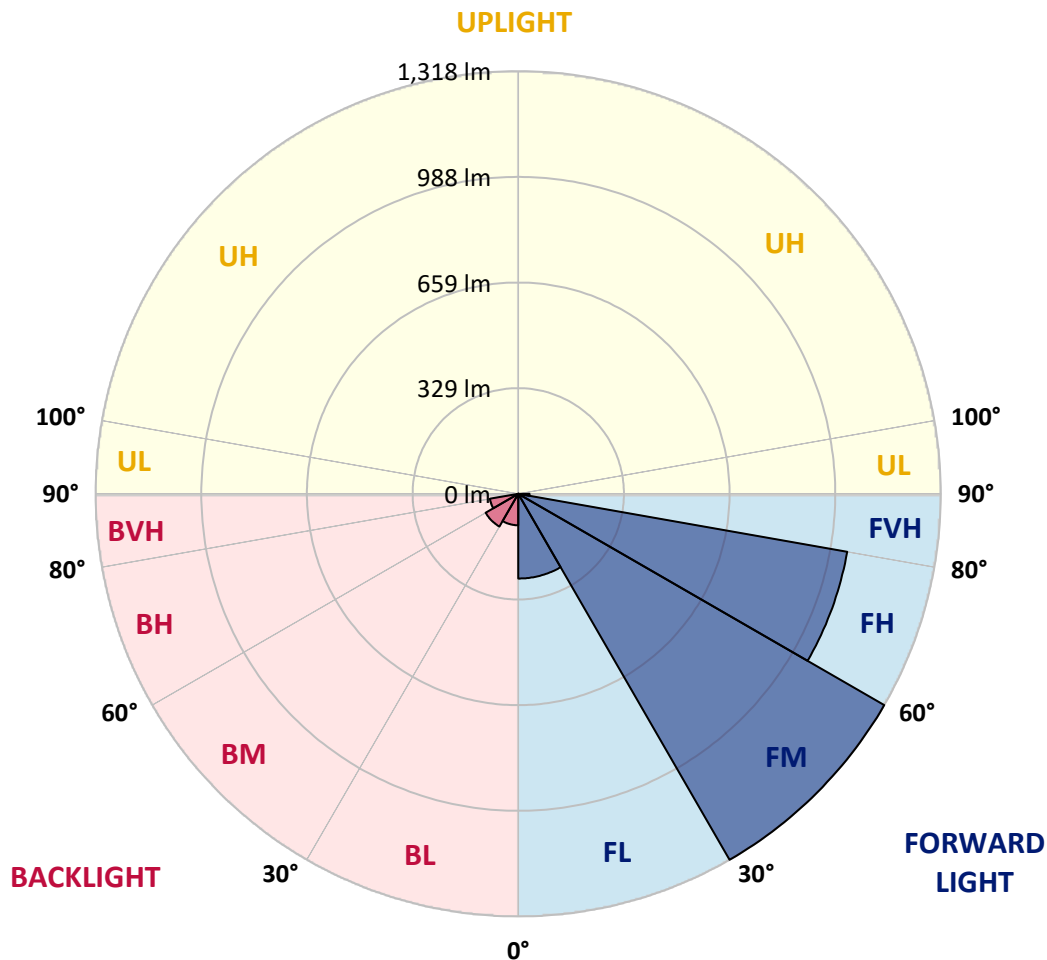
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	264.2	8.9			
FM (30°-60°)	1317.8	44.4			
FH (60°-80°)	1041.6	35.1			G1/1800
FVH (80°-90°)	34.9	1.2			G1/100
BL (0°-30°)	98.1	3.3	B0/110		
BM (30°-60°)	117.6	4.0	B0/220		
BH (60°-80°)	89.8	3.0	B0/110		G0/110
BVH (80°-90°)	1.1	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	703.1	703.1	703.1	703.1	703.1	703.1	703.1	703.1	703.1	703.1	703.1
2.5°	741.0	741.8	742.8	744.2	745.3	742.2	738.0	733.2	732.2	722.0	709.6
5°	701.3	702.6	711.4	716.2	727.0	736.8	743.0	743.8	743.4	733.8	713.9
7.5°	644.9	648.3	656.9	665.3	685.5	704.2	726.2	741.6	742.6	740.0	715.3
10°	599.0	601.2	605.7	622.3	639.1	667.5	698.4	727.4	729.8	740.2	714.2
12.5°	563.1	566.3	571.7	584.6	604.9	631.6	666.7	705.8	710.8	736.4	710.8
15°	538.2	539.7	545.1	557.7	577.4	602.2	637.7	683.2	687.6	731.4	710.2
17.5°	526.3	528.1	531.9	541.9	558.2	581.2	615.8	664.9	670.5	728.2	712.4
20°	529.5	531.1	531.3	536.5	547.6	567.0	599.9	647.9	655.1	726.2	716.0
22.5°	547.8	547.9	545.5	543.2	546.9	560.9	590.0	637.0	644.5	725.8	720.2
25°	575.0	575.6	571.6	563.1	555.5	562.7	587.8	630.1	636.7	724.8	722.8
27.5°	612.6	612.5	611.2	597.2	575.6	570.8	589.6	626.2	631.9	722.0	723.8
30°	665.3	663.7	661.1	645.3	612.2	590.2	597.2	623.8	629.1	718.0	721.2
32.5°	717.1	723.2	722.8	707.8	666.5	624.8	613.0	627.0	630.9	715.3	717.4
35°	777.7	777.4	792.9	787.3	739.0	669.2	640.1	637.7	640.7	717.1	715.6
37.5°	833.7	839.0	862.9	868.8	824.7	731.6	678.3	660.5	661.5	729.4	720.0
40°	903.7	913.7	949.5	969.0	930.0	824.3	734.8	702.4	702.6	759.4	736.6
42.5°	993.8	1009.6	1043.0	1075.5	1054.6	934.0	819.5	768.7	768.3	812.3	774.7
45°	1103.3	1114.4	1152.3	1203.9	1190.6	1087.3	942.9	871.4	866.2	899.0	842.1
47.5°	1197.8	1212.9	1251.5	1310.2	1370.2	1274.3	1090.3	1012.6	1009.2	1037.0	957.9
50°	1239.1	1252.3	1293.0	1375.3	1520.9	1519.9	1309.8	1218.7	1212.9	1227.9	1137.0
52.5°	1193.8	1206.3	1247.3	1349.8	1591.8	1819.1	1627.9	1477.2	1470.2	1451.0	1350.8
55°	1038.8	1049.1	1109.7	1227.5	1564.5	2018.6	2066.0	1796.7	1769.4	1694.7	1593.0
57.5°	827.2	821.9	859.6	996.4	1404.7	2085.4	2515.9	2194.6	2146.0	1905.4	1797.8
60°	573.2	589.2	604.4	694.5	1056.3	1969.5	2795.6	2694.9	2630.8	2112.7	1994.1
62.5°	421.4	432.0	442.0	483.7	664.1	1572.6	2845.1	3208.8	3151.9	2332.8	2181.4
65°	333.2	334.0	338.1	379.1	437.6	1022.6	2607.4	3498.6	3484.0	2544.7	2257.3
66°	303.6	303.8	310.0	354.1	392.8	832.7	2416.9	3520.6	3528.7	2595.6	2235.1
67.5°	265.4	264.6	273.6	318.2	357.7	600.4	2076.0	3431.3	3478.8	2634.6	2155.1
70°	205.7	204.7	215.7	267.0	329.5	400.6	1379.9	2946.3	3022.8	2554.7	1906.8
72.5°	137.0	137.8	156.6	210.7	314.5	352.7	830.1	2241.3	2349.4	2109.7	1500.1
75°	79.9	81.3	102.7	156.6	273.0	336.3	469.9	1598.2	1667.3	1456.8	934.5
77.5°	41.9	42.4	57.5	103.4	209.3	312.3	313.0	1021.0	1053.4	708.0	369.9
80°	22.2	21.6	30.9	62.2	144.0	274.2	253.9	540.5	562.0	210.3	93.5
82.5°	8.4	9.2	16.4	40.9	85.1	196.8	218.7	238.9	231.5	46.3	39.2
85°	1.6	2.0	7.0	24.2	42.8	82.3	161.2	117.1	108.5	17.5	22.6
87.5°	0.2	0.4	2.0	5.8	6.2	27.9	47.7	32.4	28.0	6.4	9.4
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°	703.1	703.1	703.1	703.1	703.1	703.1	703.1	703.1	703.1	703.1	703.1
2.5°	703.5	698.1	680.1	662.3	644.1	627.7	616.5	598.2	593.6	587.0	583.2
5°	702.2	689.5	654.9	617.1	581.8	543.7	514.7	486.6	471.7	464.0	461.3
7.5°	698.1	678.2	624.1	564.8	508.3	451.4	401.9	364.3	340.1	323.5	312.3
10°	690.1	662.5	588.2	506.7	421.4	346.2	283.6	235.9	199.0	187.5	187.8
12.5°	681.9	645.1	548.2	442.2	336.5	241.7	175.2	137.6	120.0	114.2	113.0
15°	674.3	628.4	508.9	379.8	250.6	156.6	113.0	99.8	94.9	94.0	93.7
17.5°	670.3	613.0	467.1	308.2	174.8	106.3	90.5	86.9	85.5	84.5	84.1
20°	666.9	599.6	427.0	241.3	119.6	87.1	81.1	77.7	75.3	74.3	73.7
22.5°	664.5	585.8	385.5	186.8	91.5	77.3	71.9	67.5	64.0	62.9	62.1
25°	660.9	570.6	343.7	136.6	77.1	68.7	62.5	57.3	52.9	50.7	50.3
27.5°	655.7	553.3	297.8	101.2	68.9	61.1	53.5	47.1	42.7	40.2	40.5
30°	647.3	535.3	252.0	80.3	62.2	53.2	45.1	38.8	34.6	32.8	32.7
32.5°	637.3	513.5	209.9	68.9	56.3	46.3	37.7	32.3	29.0	27.6	27.4
35°	627.9	491.5	167.0	61.9	50.0	39.9	31.6	27.0	24.7	23.4	23.6
37.5°	622.6	471.8	130.2	56.3	45.1	34.2	27.2	23.3	21.1	20.0	19.8
40°	626.1	455.9	103.5	51.3	39.5	29.4	23.4	20.0	17.9	16.4	16.4
42.5°	642.1	448.8	83.5	46.4	34.2	25.4	20.4	17.2	14.8	13.4	13.6
45°	690.9	456.3	69.9	42.0	29.4	22.0	17.6	14.3	12.0	11.0	10.8
47.5°	772.0	484.1	60.4	37.4	25.2	18.8	14.8	11.8	9.6	8.8	8.6
50°	913.8	541.5	53.5	32.8	21.5	16.1	12.2	9.4	7.6	6.8	6.8
52.5°	1108.9	666.9	48.5	27.6	18.0	13.6	10.0	7.6	6.0	5.4	5.2
55°	1312.8	799.1	45.9	23.3	15.0	11.2	8.0	6.0	4.6	4.0	3.8
57.5°	1508.8	902.8	42.8	18.8	12.0	8.6	6.2	4.6	3.2	2.8	2.6
60°	1696.9	986.7	36.5	15.0	9.4	6.2	4.6	3.2	2.2	1.8	1.8
62.5°	1865.2	1035.6	28.7	12.0	7.2	4.4	3.0	2.4	1.6	1.2	1.2
65°	1884.8	972.1	21.6	9.2	5.2	2.8	1.8	1.8	1.2	0.8	0.8
66°	1845.3	918.2	19.0	8.4	4.6	2.4	1.6	1.4	1.0	0.6	0.6
67.5°	1757.2	826.3	16.4	7.2	3.8	1.8	1.2	1.2	0.8	0.4	0.4
70°	1518.3	674.9	13.0	5.4	2.8	1.4	0.8	0.8	0.6	0.4	0.4
72.5°	1157.2	503.9	10.6	4.0	2.0	1.0	0.6	0.6	0.6	0.4	0.4
75°	698.0	271.4	8.2	3.0	1.8	0.8	0.4	0.6	0.8	0.6	0.4
77.5°	257.1	92.3	6.4	2.4	1.4	0.8	0.4	0.4	0.8	0.6	0.6
80°	63.1	24.0	4.6	2.0	1.4	0.8	0.4	0.4	0.8	0.8	0.8
82.5°	29.2	10.2	3.2	1.8	1.4	0.8	0.4	0.4	0.6	0.8	0.8
85°	16.8	4.8	2.6	2.0	1.4	0.8	0.4	0.4	0.6	0.8	0.8
87.5°	6.8	2.4	2.4	2.0	1.6	1.0	0.4	0.4	0.4	0.6	0.6
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)