

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: P649689

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P649689
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-17)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1A-835-U-SL2-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3500K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL LIGHT
ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2114.9 lumens
Efficiency: N/A
Efficacy: 64.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

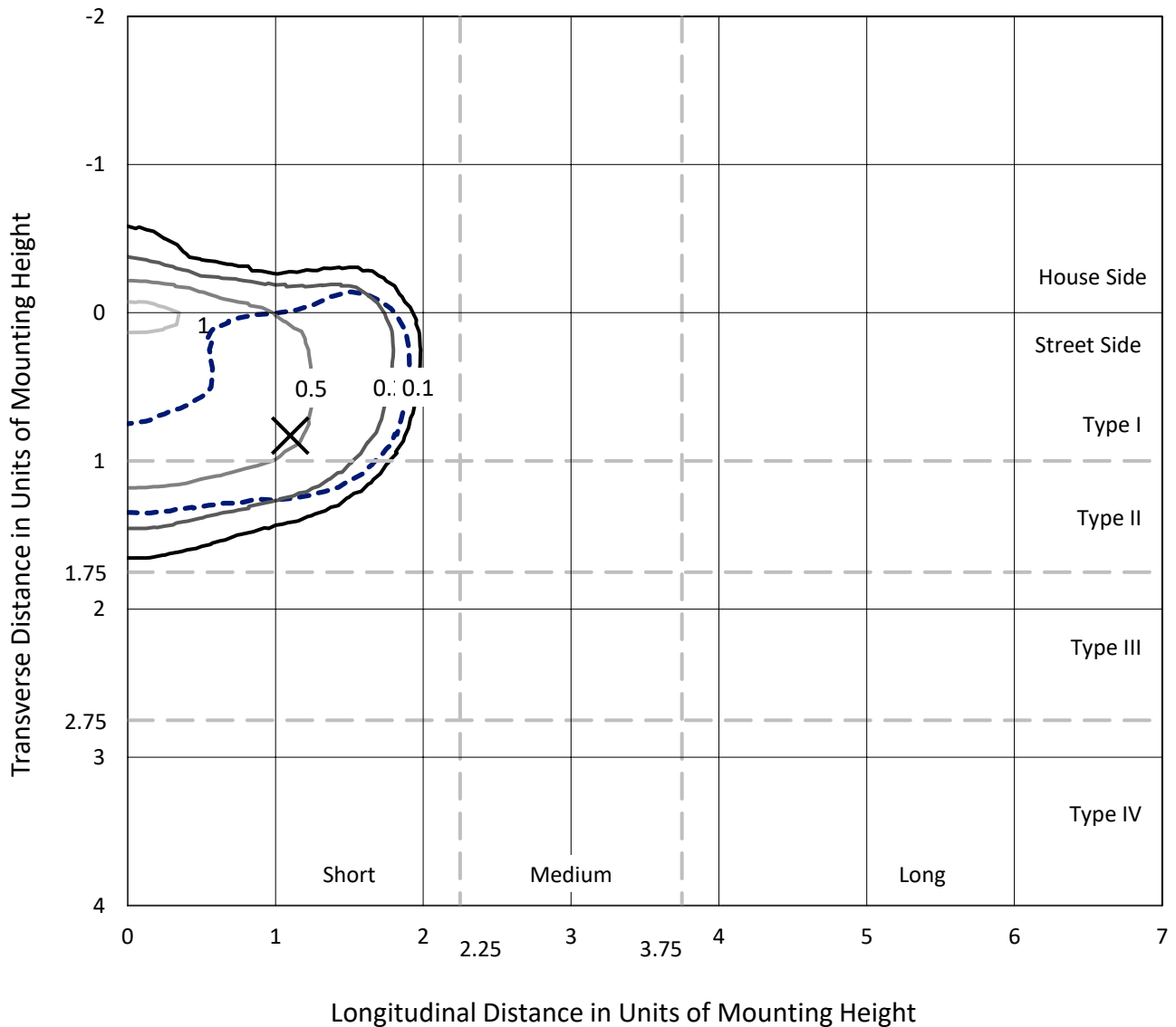
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

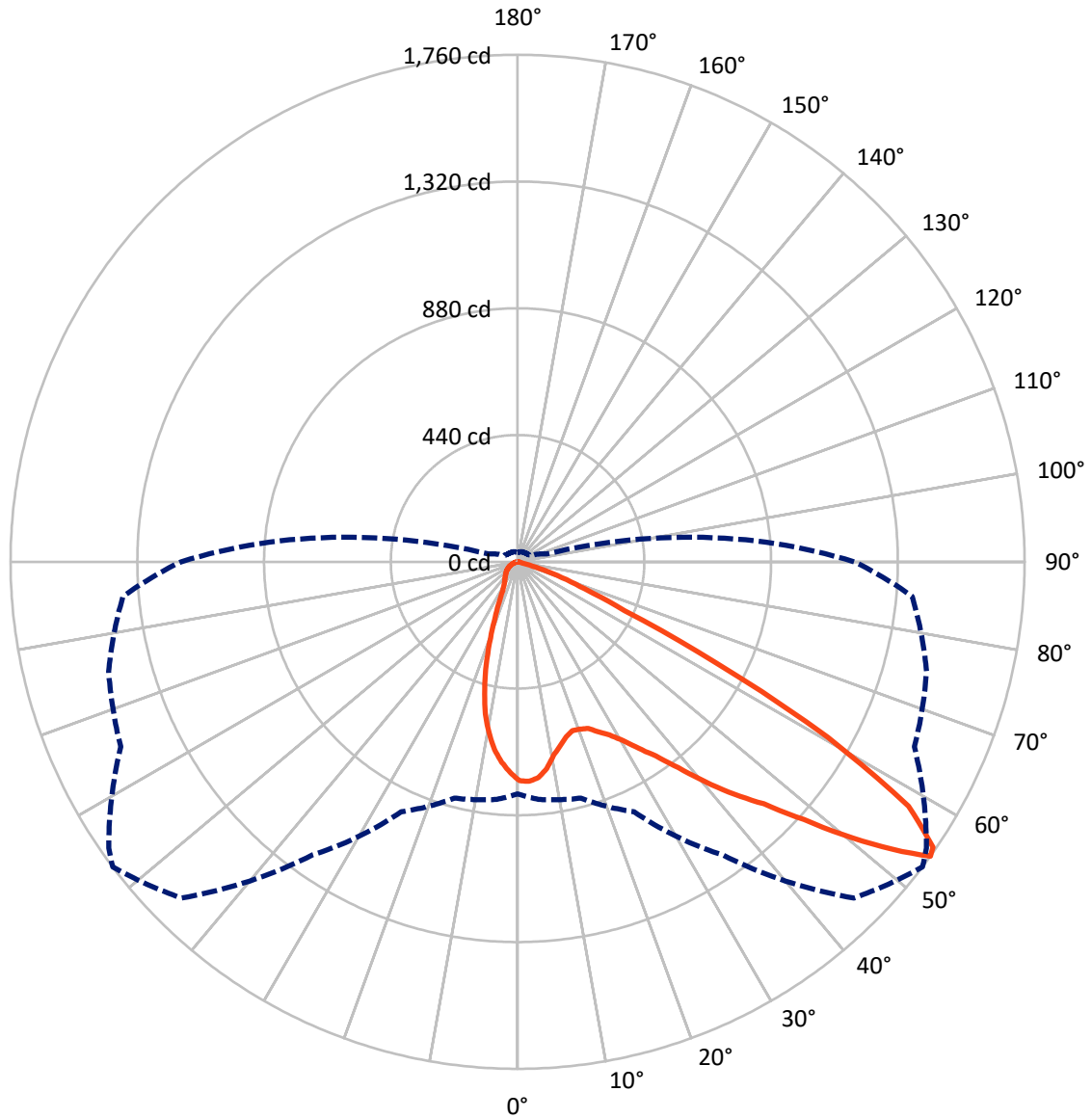
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

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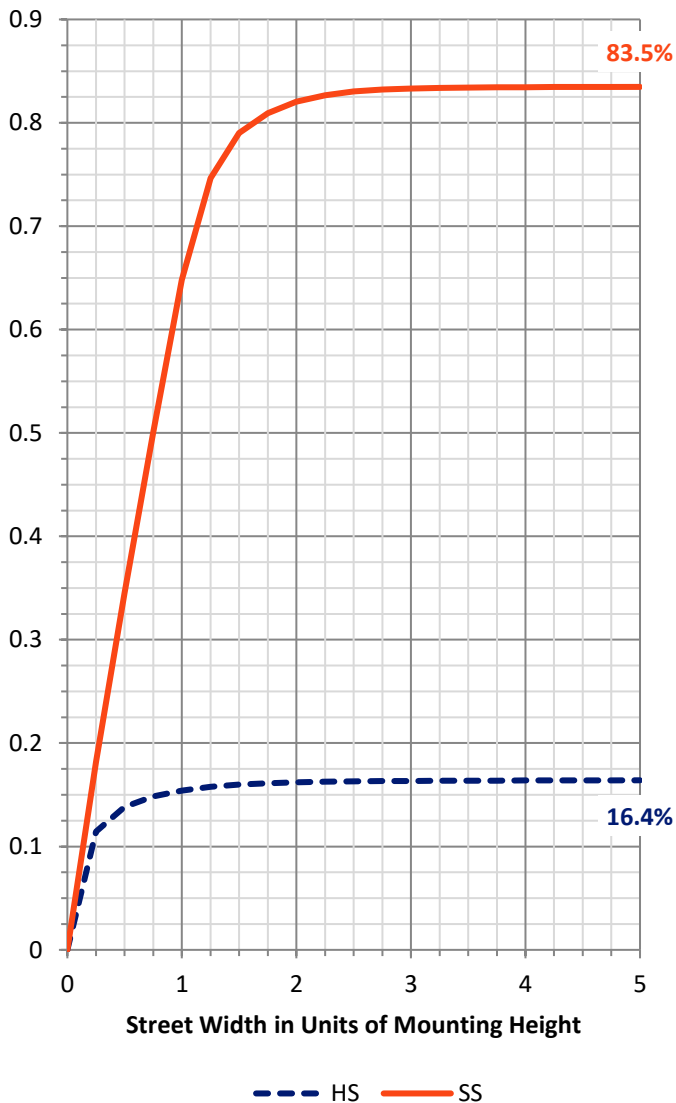
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	349.9	0.0	349.9
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	1765.0	0.0	1765.0
	% Fixture	83.5	0.0	83.5
Total	Lumens	2114.9	0.0	2114.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.2	3.1
10°-20°	149.4	7.1
20°-30°	212.4	10.0
30°-40°	327.7	15.5
40°-50°	513.9	24.3
50°-60°	596.9	28.2
60°-70°	225.6	10.7
70°-80°	21.4	1.0
80°-90°	2.4	0.1
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°	2114.9	100.0
0°-180°	2114.9	100.0

Coefficient of Utilization

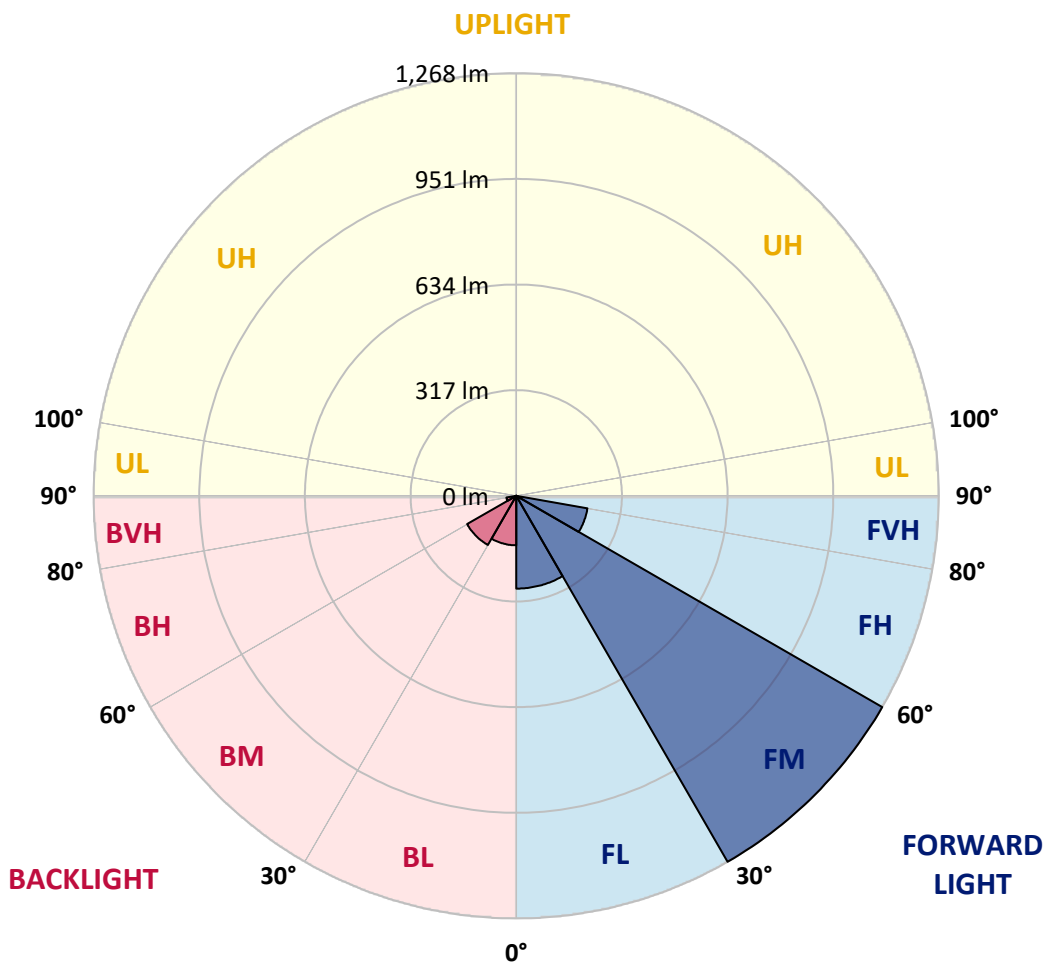


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	278.5	13.2			
FM (30°-60°)	1268.2	60.0			
FH (60°-80°)	217.0	10.3			G0/660
FVH (80°-90°)	1.2	0.1			G0/10
BL (0°-30°)	148.5	7.0	B1/500		
BM (30°-60°)	170.3	8.1	B0/220		
BH (60°-80°)	30.0	1.4	B0/110		G0/110
BVH (80°-90°)	1.2	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	759.7	759.7	759.7	759.7	759.7	759.7	759.7	759.7	759.7	759.7	759.7
2.5°	755.7	749.0	755.7	756.5	761.2	765.5	762.8	769.1	765.5	761.6	760.4
5°	694.6	703.7	704.1	718.2	715.1	741.1	752.5	749.4	768.7	767.5	764.8
7.5°	639.9	636.3	641.0	657.6	678.5	708.4	725.0	724.6	752.1	771.9	769.8
10°	589.1	588.7	598.4	611.5	629.2	660.8	683.6	695.0	738.0	767.9	772.3
12.5°	554.8	553.2	563.8	574.5	602.4	626.9	656.0	661.6	710.8	754.1	761.2
15°	532.3	535.8	536.6	557.1	574.9	607.1	630.0	641.4	698.2	743.1	770.2
17.5°	528.4	533.1	533.5	550.4	569.3	596.5	616.6	632.0	687.6	748.6	770.6
20°	536.2	533.5	535.8	546.5	565.0	591.0	620.1	625.3	684.0	751.4	775.0
22.5°	558.7	557.9	552.0	560.6	573.6	600.9	628.4	636.3	694.2	765.5	778.5
25°	583.5	587.9	582.3	581.1	590.2	617.0	653.6	663.9	728.5	791.1	789.6
27.5°	630.0	625.7	625.7	620.1	617.8	630.8	680.8	697.8	766.7	824.3	802.2
30°	674.6	679.3	675.7	677.7	661.9	660.8	719.4	740.3	834.5	874.7	829.0
32.5°	745.0	738.8	744.6	739.5	718.6	697.3	771.9	793.5	916.4	932.6	869.1
35°	803.7	801.0	826.2	825.4	791.5	770.6	827.4	859.7	973.6	1001.9	916.4
37.5°	887.3	882.1	910.9	924.7	894.3	863.3	906.9	944.5	1026.7	1057.5	964.9
40°	973.2	986.2	1024.8	1047.7	1015.3	974.0	1004.3	1015.7	1062.2	1093.8	998.0
42.5°	1081.9	1100.8	1140.2	1159.9	1157.2	1112.3	1103.2	1102.8	1087.8	1083.5	1022.4
45°	1186.3	1179.3	1239.9	1282.9	1317.6	1304.6	1198.5	1186.7	1128.4	1098.9	1028.7
47.5°	1232.1	1229.7	1271.0	1347.5	1465.7	1481.8	1337.2	1291.6	1197.0	1163.5	1063.0
50°	1172.9	1185.1	1226.1	1310.8	1492.1	1615.4	1507.4	1446.0	1276.9	1242.3	1144.2
52.5°	979.8	988.1	1027.1	1134.7	1402.3	1694.2	1670.5	1635.1	1423.9	1366.4	1285.6
54°	805.7	827.8	849.1	957.1	1242.3	1650.5	1760.0	1732.8	1519.6	1469.6	1374.6
55°	701.7	714.7	730.1	837.7	1131.6	1576.4	1749.8	1752.1	1583.9	1502.0	1434.5
57.5°	512.6	521.6	505.9	553.6	777.0	1280.1	1600.5	1664.3	1670.5	1550.4	1471.2
60°	391.7	395.6	377.9	385.3	483.0	878.6	1237.9	1314.8	1507.0	1355.0	1246.2
62.5°	303.8	304.6	304.2	317.2	332.9	516.9	774.2	842.4	1039.0	962.2	846.3
65°	223.8	220.3	226.5	266.0	284.1	325.0	407.8	457.4	564.6	476.8	340.8
67.5°	145.0	146.2	152.5	197.8	243.5	249.4	251.0	247.0	247.4	136.3	85.5
70°	87.1	89.0	87.1	111.9	174.1	178.8	163.5	159.6	124.5	32.3	31.9
72.5°	51.6	48.9	43.8	48.1	72.5	86.7	78.0	77.6	48.9	18.9	18.9
75°	21.7	19.7	16.1	14.6	19.3	18.6	18.6	16.5	13.0	12.6	11.8
77.5°	4.3	4.3	3.1	3.5	4.7	5.5	6.7	6.7	7.9	7.9	7.5
80°	0.0	0.4	1.2	2.3	3.5	5.1	5.9	5.9	6.7	6.7	5.5
82.5°	0.0	0.4	1.2	2.3	3.1	4.7	5.9	5.9	6.7	7.1	5.9
85°	0.0	0.4	1.2	2.0	3.1	3.9	3.9	3.5	2.7	2.3	1.6
87.5°	0.0	0.0	0.4	0.8	0.4	0.8	0.8	0.8	0.8	0.8	0.8
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°	759.7	759.7	759.7	759.7	759.7	759.7	759.7	759.7	759.7	759.7	759.7
2.5°	763.2	762.8	753.3	738.0	734.4	721.4	719.8	712.0	716.3	701.7	700.2
5°	756.8	752.1	740.7	730.9	702.1	681.6	665.5	645.7	634.3	636.3	628.8
7.5°	765.9	753.7	733.6	699.4	664.3	628.4	609.1	568.9	554.4	532.7	529.5
10°	756.5	747.5	716.3	659.5	611.1	559.5	514.2	469.6	435.7	421.2	418.0
12.5°	755.7	739.9	687.9	624.9	554.8	480.7	414.9	359.3	325.8	306.9	302.6
15°	743.5	724.6	656.0	571.3	474.3	382.2	310.5	256.9	231.3	220.3	223.4
17.5°	744.6	716.3	624.1	514.6	395.2	280.5	212.0	184.4	177.7	180.5	180.5
20°	743.5	697.8	585.4	449.1	302.6	194.7	155.7	145.8	150.1	158.8	156.8
22.5°	737.2	689.1	550.1	380.2	222.6	144.2	124.9	125.3	132.0	142.7	145.0
25°	741.9	669.8	505.1	310.5	162.3	115.0	108.4	111.1	118.2	126.1	127.6
27.5°	738.4	656.0	458.2	241.2	118.6	98.9	98.5	101.6	104.8	110.7	110.7
30°	742.3	643.4	412.1	179.3	97.7	90.6	89.0	91.4	94.6	95.8	95.4
32.5°	756.8	633.9	358.9	134.0	86.3	82.8	82.8	82.8	82.4	83.9	84.3
35°	788.8	635.5	312.0	103.6	78.8	76.0	74.9	73.3	72.5	73.3	73.7
37.5°	823.5	634.7	263.6	88.2	73.3	70.9	68.2	65.8	65.4	66.2	65.0
40°	838.8	642.2	218.7	79.2	68.2	65.4	61.1	59.1	59.5	60.3	59.5
42.5°	859.7	644.6	189.5	72.1	63.4	59.1	56.4	53.9	53.6	54.7	54.3
45°	859.3	631.2	158.8	68.2	59.1	54.3	50.8	48.9	48.9	49.6	50.0
47.5°	884.6	629.2	136.3	64.6	56.0	51.2	46.9	45.3	44.9	44.9	44.2
50°	943.2	656.8	119.0	60.7	52.0	47.7	44.2	42.1	40.6	39.8	39.4
52.5°	1057.9	742.7	105.6	56.0	47.7	44.2	41.0	39.4	37.4	35.5	35.1
54°	1169.0	831.3	104.8	52.0	44.2	41.7	39.0	38.2	35.9	33.1	32.3
55°	1219.1	883.0	107.6	48.9	41.7	40.2	37.8	37.0	34.7	31.6	31.2
57.5°	1260.4	903.0	106.0	40.6	37.8	37.4	35.5	34.3	31.6	27.2	26.4
60°	1014.5	682.8	76.0	35.9	34.7	33.9	32.3	31.6	28.0	23.3	22.9
62.5°	641.0	392.8	48.5	31.6	30.3	29.1	27.2	26.4	23.3	18.6	17.3
65°	273.0	162.7	32.7	28.0	26.0	24.0	22.5	21.3	18.6	13.8	13.4
67.5°	70.9	57.9	27.2	24.4	21.7	18.9	17.7	15.7	12.6	9.5	9.1
70°	31.9	29.1	22.9	20.5	17.3	14.6	13.0	11.0	8.3	6.3	5.9
72.5°	18.9	18.6	17.3	15.3	13.0	11.0	9.5	7.5	5.5	3.5	3.5
75°	11.8	11.4	11.8	10.6	9.1	8.3	7.1	5.1	3.1	1.6	1.6
77.5°	7.1	7.1	7.1	6.7	6.3	6.3	5.1	3.1	1.6	0.4	0.4
80°	5.5	5.5	5.9	5.5	5.5	5.5	4.3	2.3	0.8	0.0	0.0
82.5°	5.5	5.9	6.7	6.3	5.5	4.7	3.9	2.3	0.8	0.0	0.0
85°	1.6	1.2	2.0	2.7	3.9	3.5	2.7	2.0	0.8	0.0	0.0
87.5°	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4	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)