

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: P450373

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

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P450373
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-16)
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
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3645 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

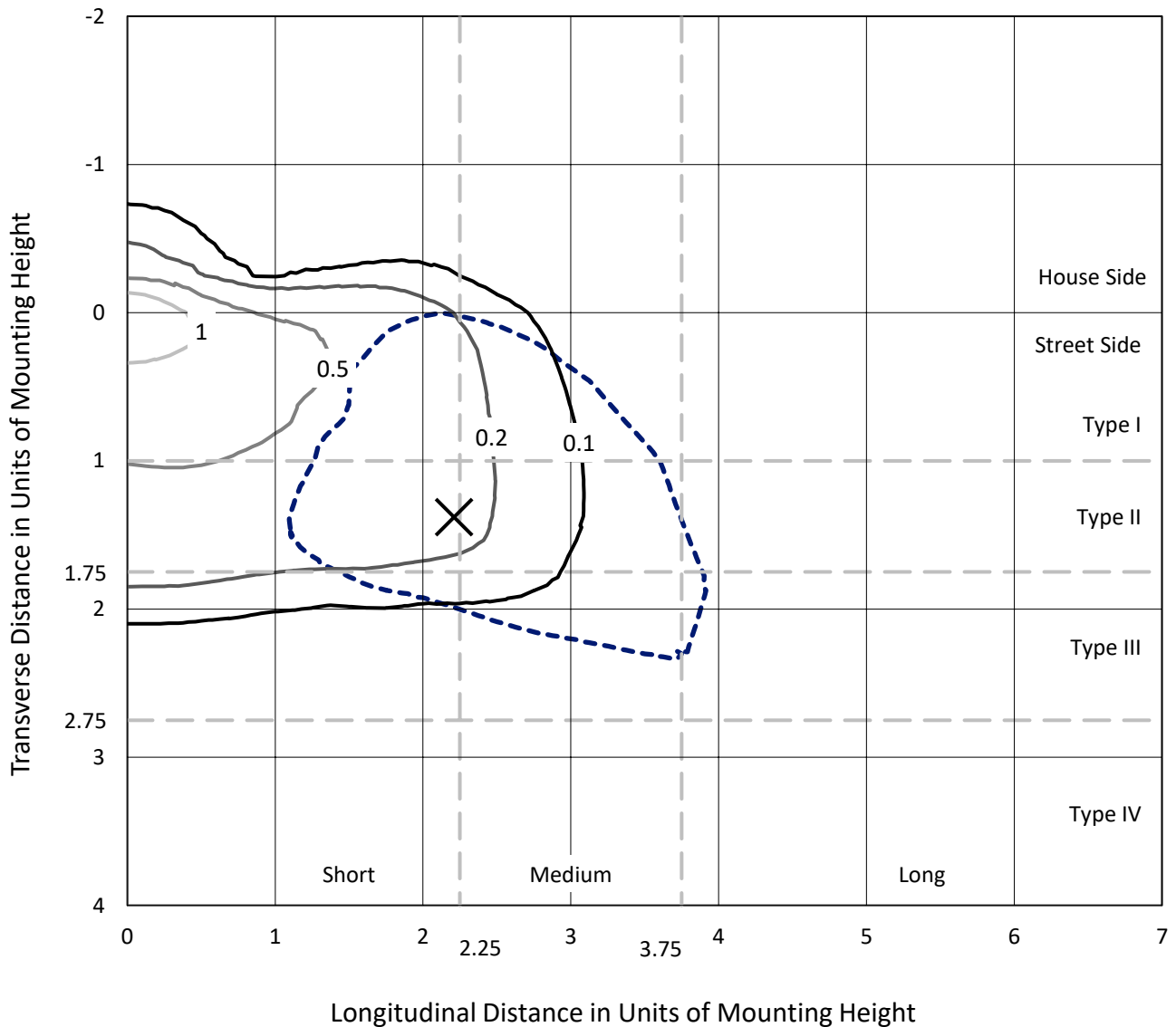
Input Watts (W): 33
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P450373
 CATALOG NUMBER: GLAN-SA1A-830-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

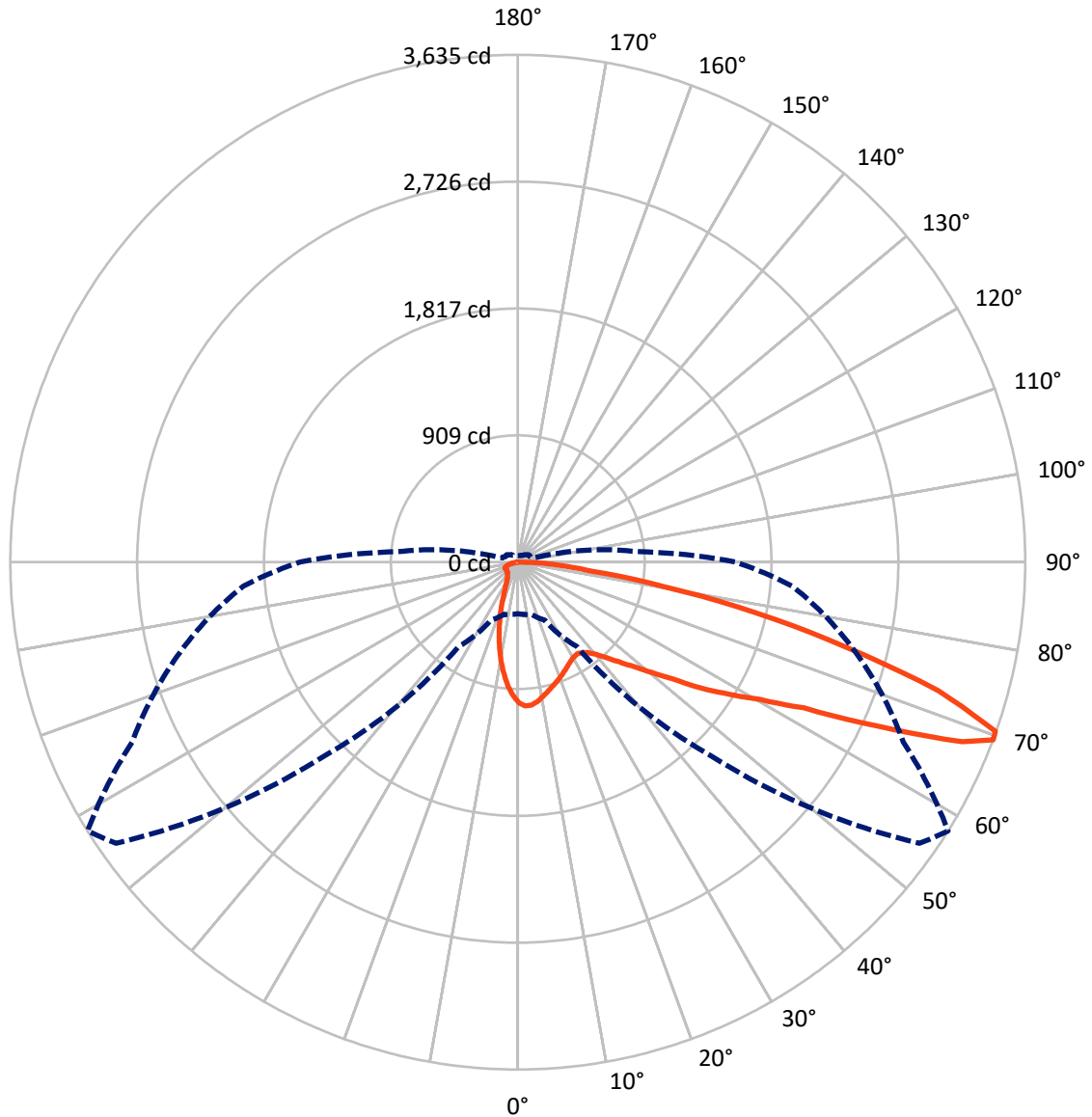
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type III - Short - N/A

REPORT NUMBER: P450373
CATALOG NUMBER: GLAN-SA1A-830-U-SL3

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P450373

CATALOG NUMBER: GLAN-SA1A-830-U-SL3

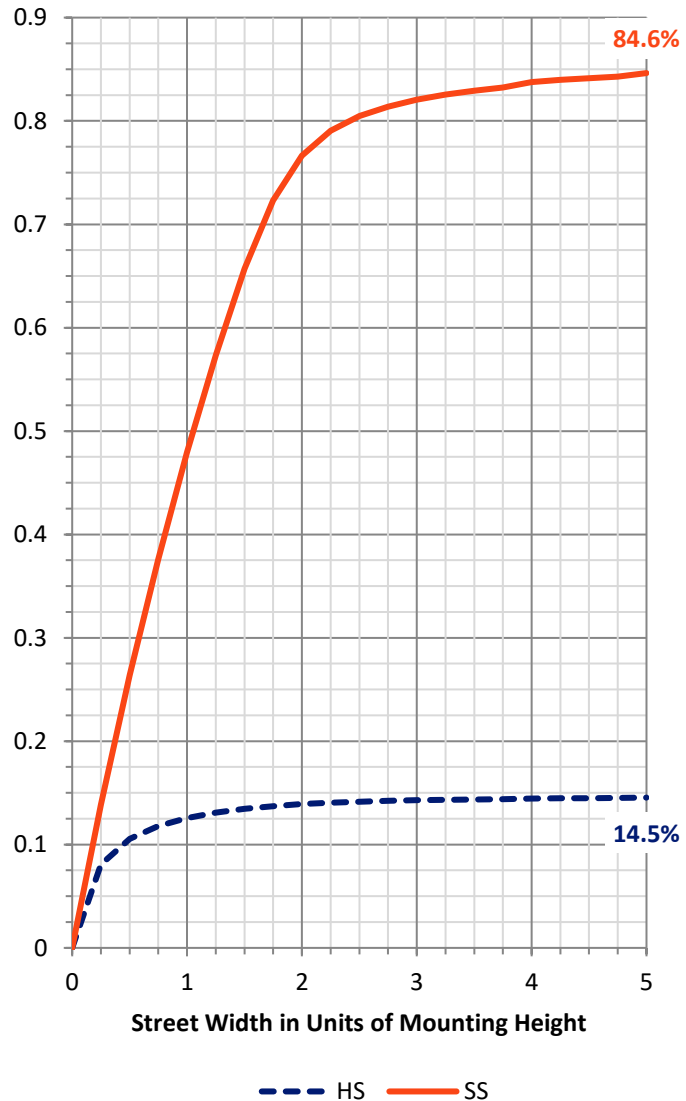
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	534.2	0.0	534.2
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	3110.8	0.0	3110.8
	% Fixture	85.3	0.0	85.3
Total	Lumens	3645.0	0.0	3645.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.5	2.3
10°-20°	187.8	5.2
20°-30°	242.7	6.7
30°-40°	315.2	8.6
40°-50°	458.3	12.6
50°-60°	731.2	20.1
60°-70°	976.8	26.8
70°-80°	563.1	15.4
80°-90°	84.3	2.3
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°	3645.0	100.0
0°-180°	3645.0	100.0



REPORT NUMBER: P450373

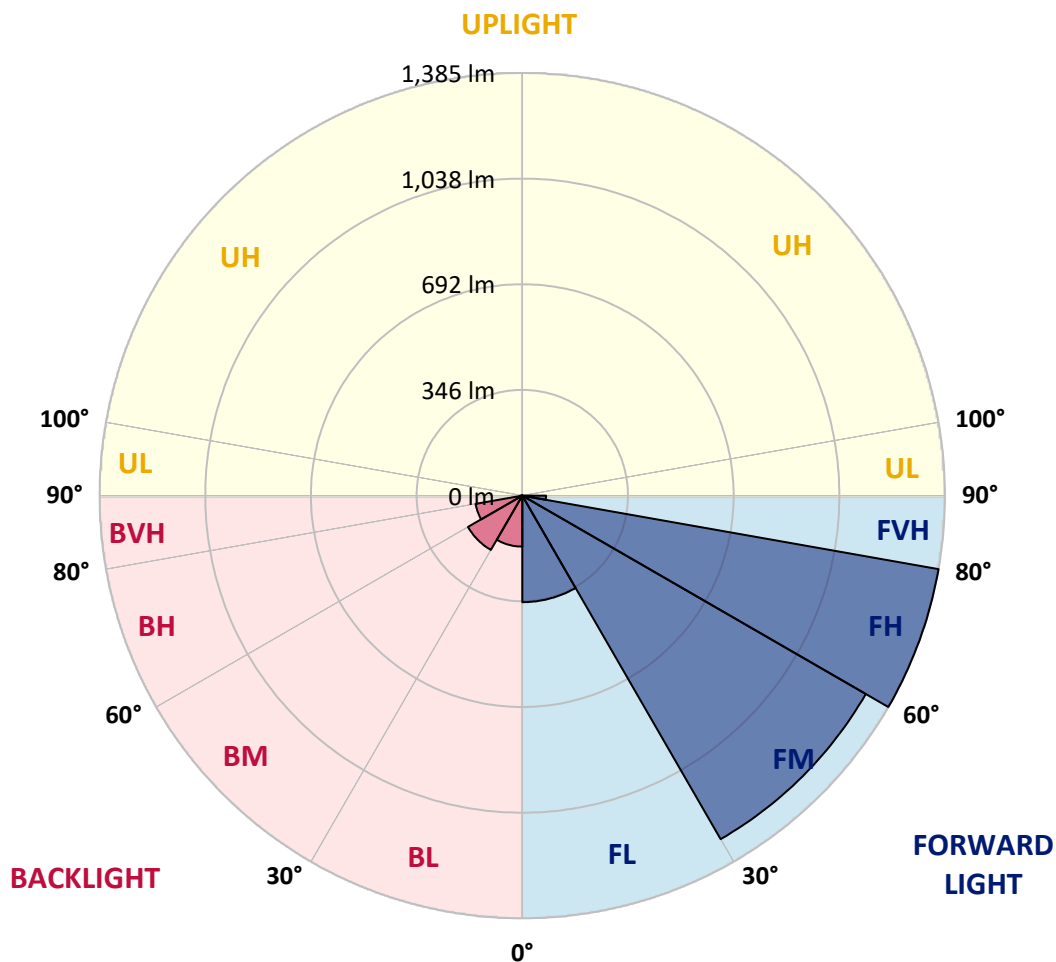
CATALOG NUMBER: GLAN-SA1A-830-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	349.1	9.6			
FM	(30°-60°)	1299.3	35.6			
FH	(60°-80°)	1384.6	38.0			G1/1800
FVH	(80°-90°)	77.9	2.1			G1/100
BL	(0°-30°)	167.0	4.6	B1/500		
BM	(30°-60°)	205.4	5.6	B0/220		
BH	(60°-80°)	155.3	4.3	B1/500		G1/500
BVH	(80°-90°)	6.5	0.2			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





REPORT NUMBER: P450373

CATALOG NUMBER: GLAN-SA1A-830-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1007.3	1007.3	1007.3	1007.3	1007.3	1007.3	1007.3	1007.3	1007.3	1007.3	1007.3
2.5°	1044.7	1047.5	1046.7	1045.7	1044.1	1039.6	1032.3	1031.0	1026.4	1016.4	1004.0
5°	1028.6	1031.0	1031.3	1032.7	1034.7	1033.9	1028.6	1028.0	1021.1	1007.7	986.9
7.5°	973.5	976.8	983.9	991.8	998.9	1005.6	1007.3	1008.3	1004.0	988.6	960.9
10°	911.5	914.8	918.0	929.8	947.3	964.0	977.8	979.6	980.6	966.4	932.7
12.5°	842.8	849.5	856.4	873.9	897.3	923.5	947.9	951.8	958.7	947.9	908.3
15°	784.5	791.4	801.3	817.0	845.2	883.1	917.4	923.7	937.3	931.8	885.5
17.5°	744.0	746.5	753.4	771.3	801.7	841.6	887.5	900.1	921.9	920.5	866.0
20°	712.1	715.1	719.4	730.4	762.1	804.2	859.7	875.9	905.4	910.3	846.7
22.5°	698.7	700.9	700.3	706.2	727.8	770.0	831.4	850.7	890.8	903.4	828.8
25°	699.5	701.5	698.5	697.1	709.9	739.9	801.9	826.5	879.0	898.7	812.5
27.5°	713.1	714.5	708.8	703.2	704.2	721.2	777.6	804.8	869.0	900.7	798.9
30°	731.4	734.1	730.4	723.5	716.0	716.8	761.9	788.7	864.4	907.9	792.4
32.5°	755.0	757.4	755.8	750.3	740.6	729.8	758.0	782.8	864.8	922.3	791.0
35°	779.8	784.7	787.3	786.9	779.0	760.3	773.3	793.8	874.5	946.5	799.3
37.5°	807.8	811.9	823.3	830.6	823.3	801.5	807.6	821.9	896.1	981.4	817.6
40°	835.1	841.2	857.9	880.6	877.8	858.7	860.1	869.4	934.1	1033.5	853.4
42.5°	863.5	870.9	899.9	933.7	940.4	925.5	929.4	937.7	988.2	1105.7	914.8
45°	900.1	908.9	944.7	986.7	1013.2	1004.0	1015.0	1019.1	1060.5	1199.6	995.7
47.5°	947.3	957.5	1001.6	1054.0	1091.4	1099.8	1118.9	1116.4	1150.2	1310.8	1100.6
50°	1026.8	1032.5	1074.1	1127.6	1179.0	1216.6	1237.4	1241.2	1261.4	1418.9	1217.9
52.5°	1121.3	1126.4	1156.5	1203.2	1267.7	1347.4	1398.6	1386.0	1390.9	1550.6	1355.1
55°	1227.6	1236.2	1255.3	1286.4	1369.9	1487.2	1590.1	1593.1	1539.1	1676.7	1486.6
57.5°	1310.0	1324.4	1357.1	1401.4	1507.3	1642.7	1781.0	1783.0	1713.9	1811.2	1631.7
60°	1268.5	1285.6	1360.4	1468.3	1687.7	1914.1	2009.0	1997.5	1884.0	1964.5	1808.8
62.5°	1089.6	1092.6	1201.4	1370.1	1743.1	2277.2	2348.5	2299.5	2111.1	2158.9	1988.7
65°	705.2	725.1	811.3	1047.7	1560.8	2478.6	2943.3	2830.1	2429.4	2379.4	2139.3
67.5°	445.2	440.1	475.9	598.3	1073.5	2301.2	3450.9	3433.0	2845.8	2518.7	2103.4
69°	369.2	374.9	387.0	458.6	738.7	1964.7	3510.9	3634.5	3047.6	2507.7	1972.7
70°	334.8	337.4	350.3	406.6	570.0	1645.6	3412.5	3629.0	3126.9	2461.8	1877.9
72.5°	265.7	265.5	287.4	338.3	426.1	939.4	2802.0	3150.7	3038.3	2247.9	1551.7
75°	201.9	205.1	229.3	286.2	392.5	513.3	1955.4	2426.4	2426.6	1775.5	968.2
77.5°	145.6	147.6	175.8	240.3	369.8	416.1	1302.4	1740.3	1636.0	813.5	304.3
80°	95.3	96.6	118.1	190.3	333.4	392.5	772.3	1065.2	771.7	215.9	100.6
82.5°	52.2	58.3	72.2	123.2	267.5	362.7	469.4	539.1	289.5	96.2	52.4
85°	26.2	27.8	40.7	72.0	174.8	300.0	326.9	309.2	149.4	47.8	27.2
87.5°	7.7	9.8	16.9	27.8	70.9	156.3	181.9	163.2	57.5	17.3	5.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P450373
 CATALOG NUMBER: GLAN-SA1A-830-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1007.3	1007.3	1007.3	1007.3	1007.3	1007.3	1007.3	1007.3	1007.3	1007.3	1007.3
2.5°	998.9	995.3	979.0	964.4	951.0	936.7	924.7	914.2	915.2	915.4	904.6
5°	976.2	967.8	936.9	908.1	883.7	852.8	826.3	809.3	800.7	789.3	793.4
7.5°	945.3	929.2	886.3	838.3	793.4	753.4	709.9	680.0	660.9	642.4	644.8
10°	913.3	887.5	825.1	761.7	703.6	639.5	584.0	536.5	501.1	487.9	479.1
12.5°	880.6	846.7	767.4	683.0	602.7	526.1	447.4	396.4	357.4	336.6	339.3
15°	850.7	809.5	707.2	604.4	500.1	408.8	330.3	281.7	254.5	248.8	252.1
17.5°	823.1	769.0	650.9	527.9	406.2	306.5	248.2	220.8	209.8	206.7	206.5
20°	794.6	734.7	587.7	446.2	316.5	237.6	203.7	190.9	188.8	190.1	190.3
22.5°	765.8	692.2	522.6	365.1	252.1	194.3	178.1	174.6	176.2	179.1	179.5
25°	739.1	654.8	460.0	293.9	201.2	170.8	162.8	162.8	166.5	170.8	171.0
27.5°	717.2	618.6	397.6	233.4	168.5	153.7	151.0	152.5	157.5	160.8	161.0
30°	699.1	584.8	338.7	187.0	148.2	140.1	139.5	141.9	145.6	148.6	148.8
32.5°	685.5	555.2	283.6	157.1	134.2	129.7	129.5	131.3	133.4	134.2	135.0
35°	680.2	530.6	233.2	138.2	124.8	122.0	122.0	121.8	122.6	123.0	123.4
37.5°	684.5	511.7	194.1	126.0	117.9	115.9	114.7	113.4	113.0	113.0	113.2
40°	702.5	501.7	165.1	118.1	113.0	110.0	107.7	106.3	104.9	105.3	105.7
42.5°	741.0	503.5	145.3	112.8	108.8	104.5	101.2	99.6	98.6	99.8	99.6
45°	802.2	521.8	132.7	109.2	104.5	99.0	95.9	94.3	94.3	96.2	96.8
47.5°	887.7	556.8	126.0	106.3	101.2	94.7	91.7	90.5	90.9	93.9	94.1
50°	992.2	617.6	124.8	104.9	99.6	91.7	88.2	87.0	88.0	91.3	91.7
52.5°	1107.5	695.8	130.7	105.1	98.2	89.9	85.4	83.5	84.6	87.2	88.0
55°	1244.1	793.8	146.0	105.9	96.2	88.8	83.3	79.3	80.5	82.3	82.5
57.5°	1383.5	917.4	172.8	106.1	94.5	87.0	79.9	74.6	74.6	75.8	76.4
60°	1553.9	1052.0	208.2	106.3	94.7	84.4	75.2	69.3	68.5	69.1	69.3
62.5°	1723.0	1164.6	214.1	105.7	96.8	81.7	70.1	64.0	62.6	62.4	62.0
65°	1797.6	1143.7	175.4	102.9	99.0	80.1	66.1	59.0	56.5	55.7	55.7
67.5°	1676.1	967.4	131.9	99.0	97.6	78.5	62.2	54.7	51.8	50.2	50.2
69°	1561.8	860.5	118.5	96.4	93.9	75.8	59.8	52.4	49.0	47.2	46.6
70°	1473.6	786.9	112.8	94.1	90.5	72.8	57.9	50.8	47.0	44.9	44.5
72.5°	1176.0	617.4	98.8	85.6	77.0	61.2	51.4	45.7	42.1	39.8	39.2
75°	677.7	334.6	81.9	74.4	62.0	47.6	43.5	39.8	37.0	35.0	34.4
77.5°	208.6	129.3	59.4	58.7	45.5	36.8	34.8	33.3	31.3	29.1	28.7
80°	87.8	65.9	40.2	39.6	30.3	25.6	25.0	24.8	24.0	22.2	21.5
82.5°	48.2	37.2	28.1	24.4	18.3	14.8	15.4	15.7	15.0	13.2	12.0
85°	23.6	20.3	13.6	11.0	8.3	5.3	5.1	6.1	5.7	4.1	4.5
87.5°	4.7	5.7	3.7	1.6	0.8	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)