

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: P526081

Luminaire Tested: **GLAN-SA1A-730-U-T2-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526081
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-13)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1A-730-U-T2-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS WITH
BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2486 lumens
Efficiency: N/A
Efficacy: 75.3 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

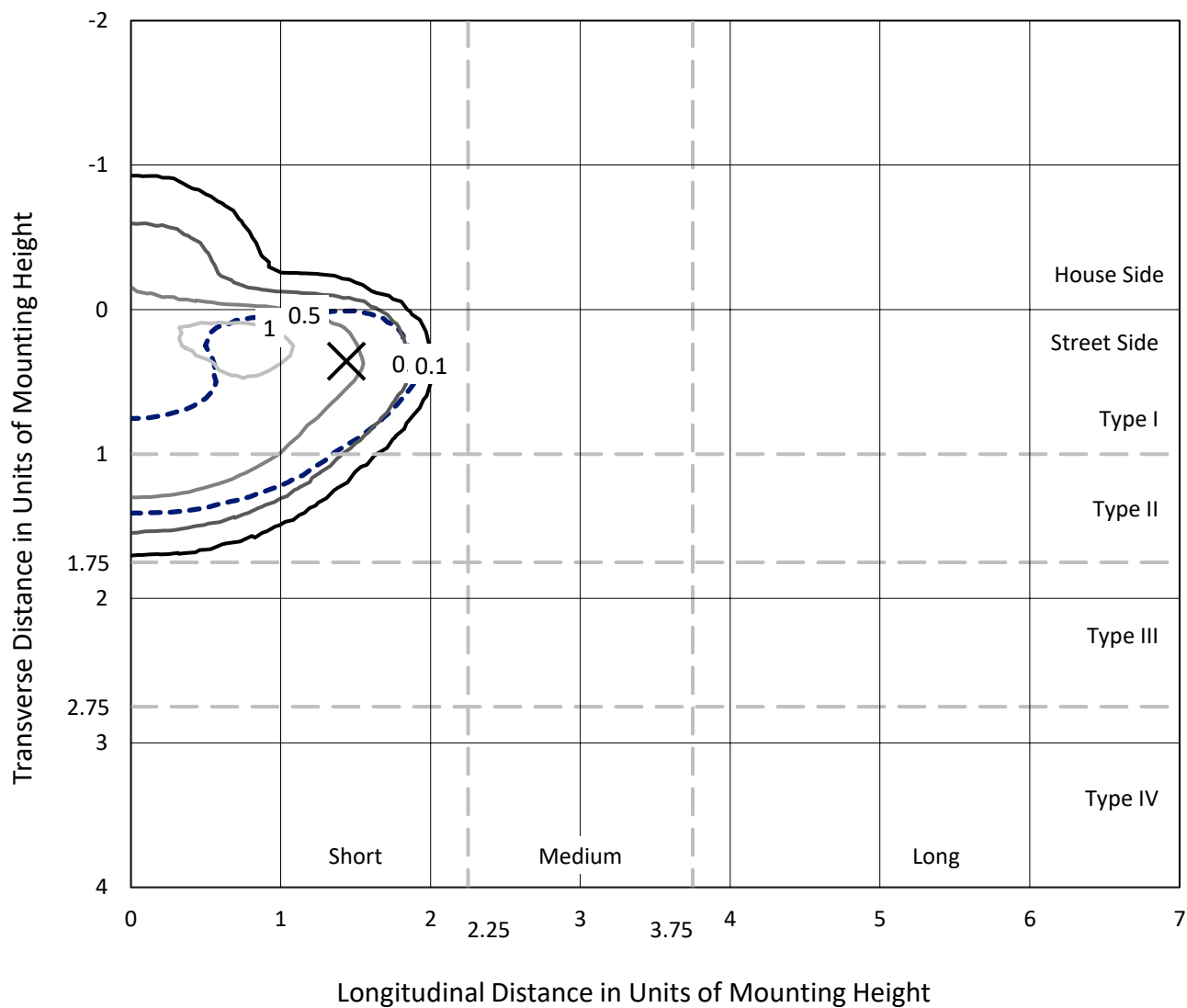
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P526081
CATALOG NUMBER: GLAN-SA1A-730-U-T2-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

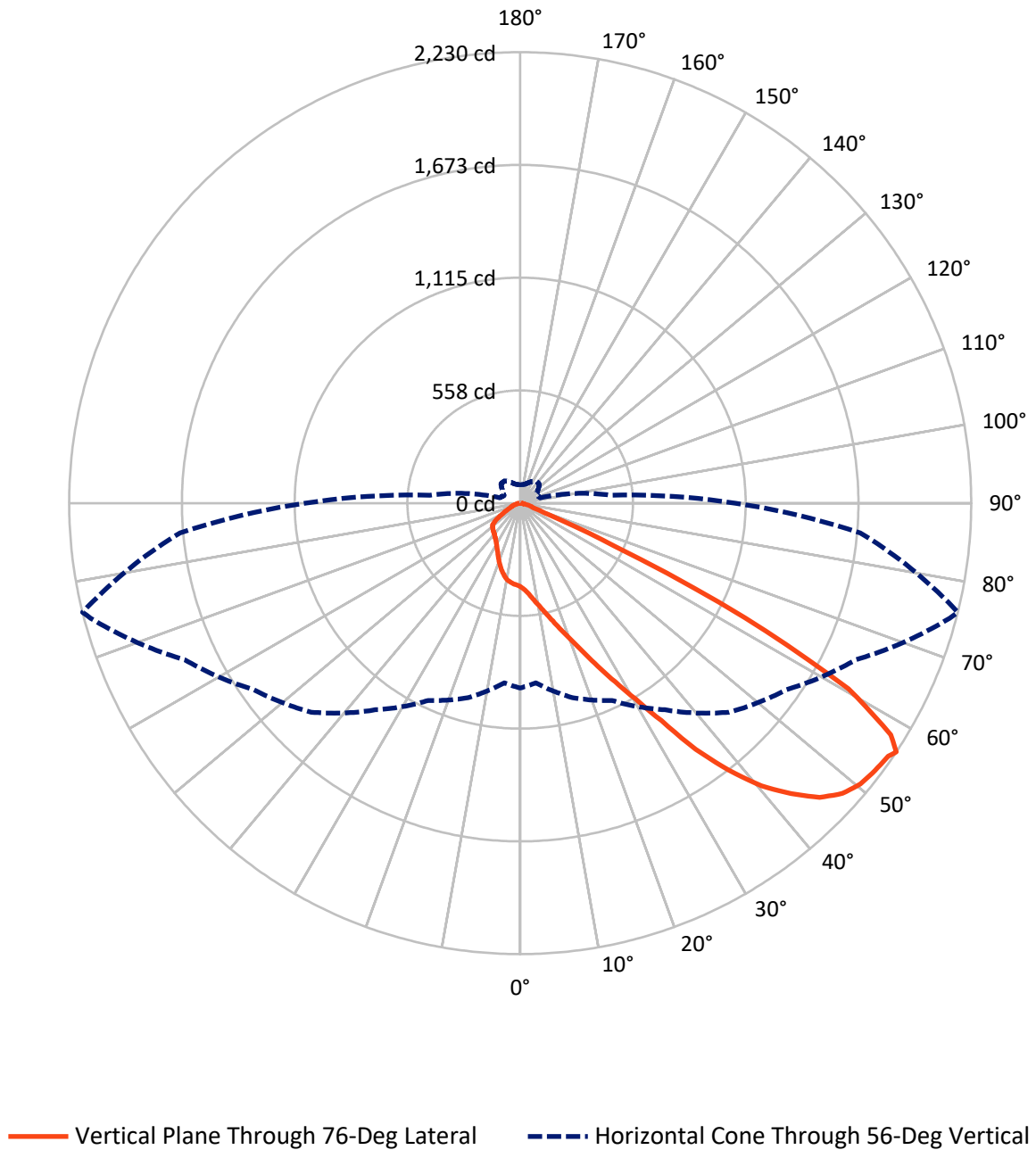
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
Type II - Short - N/A

REPORT NUMBER: P526081
CATALOG NUMBER: GLAN-SA1A-730-U-T2-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P526081

CATALOG NUMBER: GLAN-SA1A-730-U-T2-GRSBK

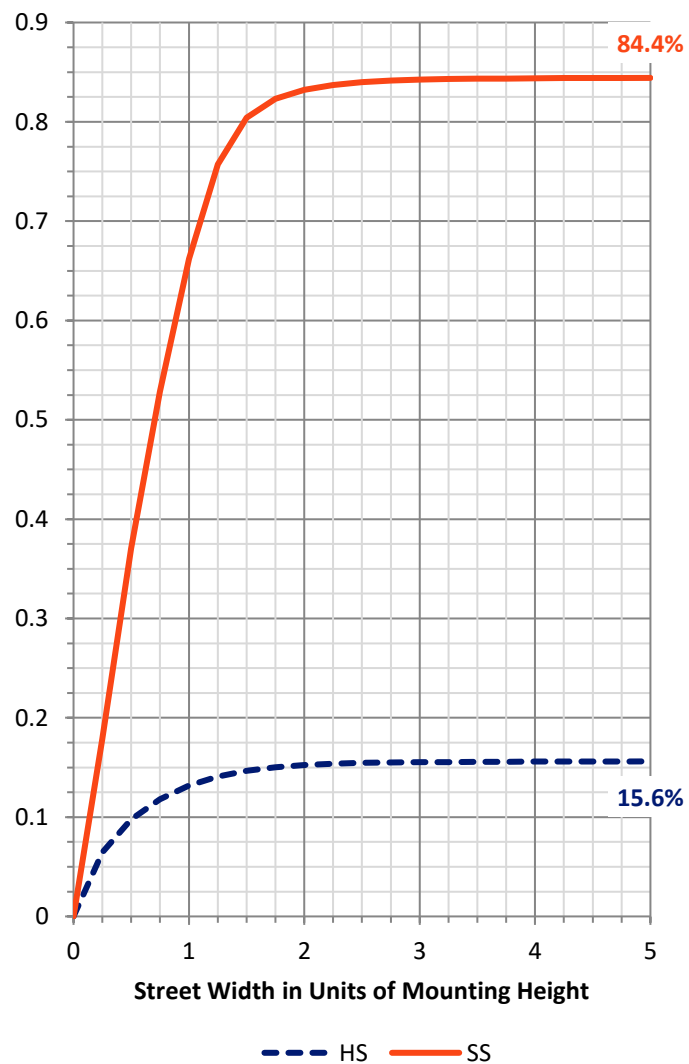
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	390.5	0.0	390.5
	% Fixture	15.7	0.0	15.7
Street Side	Lumens	2095.5	0.0	2095.5
	% Fixture	84.3	0.0	84.3
Total	Lumens	2486.0	0.0	2486.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.7	1.7
10°-20°	133.9	5.4
20°-30°	242.8	9.8
30°-40°	418.8	16.8
40°-50°	680.3	27.4
50°-60°	717.1	28.8
60°-70°	219.1	8.8
70°-80°	28.1	1.1
80°-90°	4.3	0.2
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°	2486.0	100.0
0°-180°	2486.0	100.0

Coefficient of Utilization



REPORT NUMBER: P526081

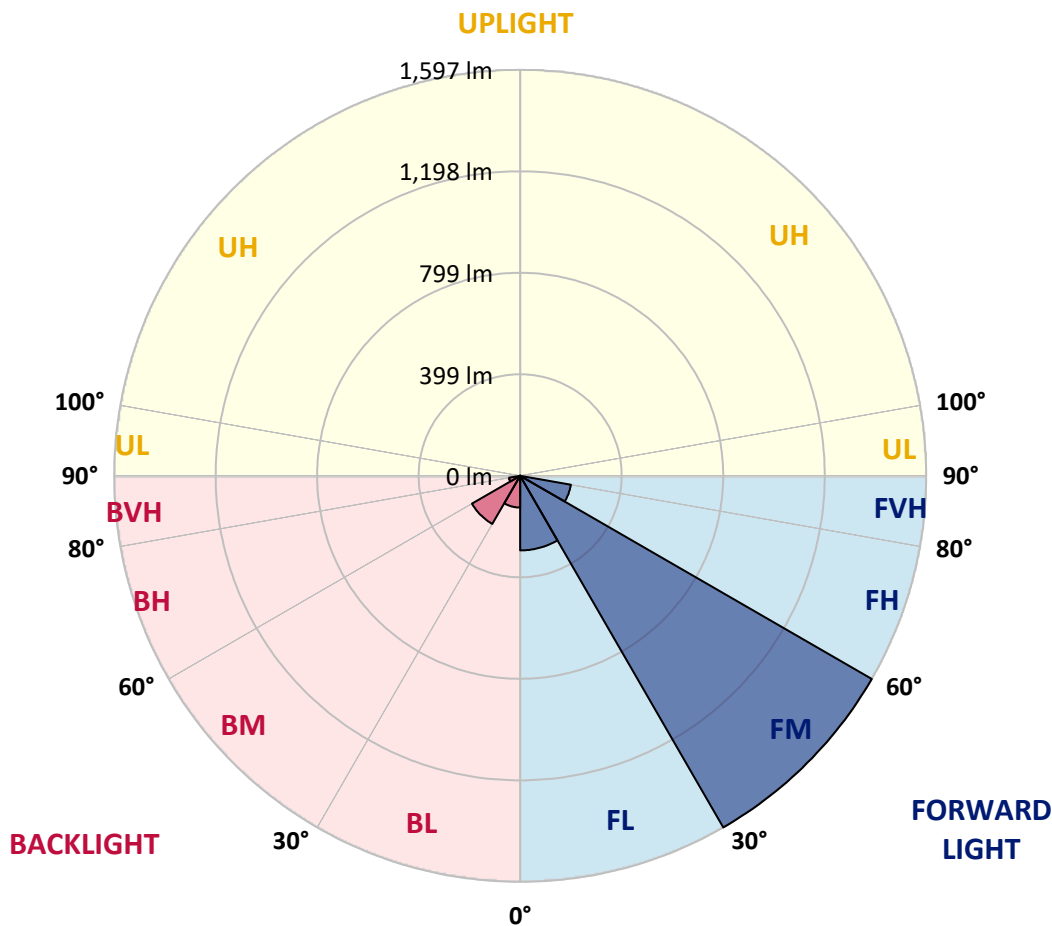
CATALOG NUMBER: GLAN-SA1A-730-U-T2-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	293.5	11.8			
FM	(30°-60°)	1597.3	64.3			
FH	(60°-80°)	202.6	8.2			G0/660
FVH	(80°-90°)	2.1	0.1			G0/10
BL	(0°-30°)	124.9	5.0	B1/500		
BM	(30°-60°)	218.9	8.8	B0/220		
BH	(60°-80°)	44.6	1.8	B0/110		G0/110
BVH	(80°-90°)	2.2	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



REPORT NUMBER: P526081

CATALOG NUMBER: GLAN-SA1A-730-U-T2-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	413.8	413.8	413.8	413.8	413.8	413.8	413.8	413.8	413.8	413.8	413.8
2.5°	476.6	465.6	466.0	465.1	463.7	458.7	443.6	441.3	431.2	428.5	419.3
5°	533.9	524.2	529.7	521.5	513.7	509.1	484.4	472.9	456.9	450.9	438.1
7.5°	569.6	565.0	563.2	563.6	556.3	544.9	533.9	508.7	487.1	482.5	455.5
10°	587.0	584.3	587.0	585.6	588.8	590.2	571.0	555.9	524.2	516.4	474.3
12.5°	591.1	596.6	598.9	604.9	612.7	626.0	624.6	604.0	561.8	556.8	503.2
15°	601.2	605.8	603.5	613.1	627.8	650.3	662.2	659.0	613.6	604.4	536.6
17.5°	610.4	602.1	609.9	629.2	643.8	678.2	707.1	720.4	670.0	659.4	567.3
20°	622.8	620.5	619.1	628.7	654.8	700.7	757.9	782.2	733.2	722.2	611.3
22.5°	660.3	660.8	659.9	645.7	664.5	716.2	802.4	862.4	808.8	799.6	661.3
25°	709.8	703.9	699.3	687.8	685.5	730.4	847.3	960.5	899.5	893.1	715.3
27.5°	762.1	762.1	748.3	737.8	723.1	765.7	888.5	1055.8	1009.1	1000.4	762.5
30°	818.9	822.1	820.3	797.8	788.6	804.2	930.7	1177.7	1134.6	1123.6	840.4
32.5°	902.7	895.9	903.7	884.9	857.8	871.6	997.1	1286.8	1297.8	1282.2	942.6
35°	1013.6	1009.5	1004.5	973.8	941.7	952.7	1091.1	1421.0	1502.6	1494.8	1045.7
37.5°	1113.1	1110.8	1106.7	1085.6	1048.5	1061.8	1197.9	1560.8	1702.4	1676.7	1191.4
40°	1217.6	1229.9	1216.6	1197.9	1164.0	1193.3	1323.4	1643.7	1870.6	1839.4	1302.8
42.5°	1359.2	1349.5	1355.5	1321.1	1302.8	1334.9	1449.4	1726.7	2001.2	1964.1	1421.0
45°	1509.9	1510.4	1494.3	1483.4	1435.7	1470.5	1526.9	1772.5	2105.2	2076.3	1510.4
47.5°	1606.6	1606.2	1623.6	1641.0	1592.0	1557.6	1579.6	1816.0	2158.8	2145.5	1542.9
50°	1591.5	1596.1	1618.5	1683.6	1709.3	1663.0	1629.1	1803.2	2183.1	2181.7	1570.9
52.5°	1384.4	1399.5	1437.1	1531.0	1660.2	1717.5	1680.9	1827.0	2195.0	2197.3	1612.6
55°	1054.0	1062.2	1133.7	1247.8	1390.8	1586.9	1660.2	1845.8	2204.2	2208.3	1663.0
56°	914.2	892.2	995.3	1076.4	1247.4	1461.8	1608.0	1831.2	2198.7	2230.3	1688.2
57.5°	690.1	675.5	758.9	860.1	1024.6	1251.0	1445.8	1762.0	2161.6	2161.1	1652.0
60°	419.8	405.1	469.2	528.8	620.9	770.3	977.0	1403.2	1827.5	1866.0	1337.6
62.5°	249.7	258.9	322.1	358.4	388.1	403.7	505.4	834.0	1219.4	1246.9	829.9
65°	166.3	169.6	217.2	276.8	290.1	231.0	205.8	337.7	528.8	511.9	342.3
67.5°	102.6	110.0	145.7	208.0	230.5	168.6	97.6	126.0	145.7	145.7	99.0
70°	62.3	66.0	97.1	141.6	158.1	108.6	71.0	71.0	70.1	68.7	59.1
72.5°	29.8	32.1	49.5	72.9	74.2	57.3	55.0	60.0	58.7	58.2	49.0
75°	12.8	13.7	17.4	22.9	26.1	24.3	33.5	43.1	44.5	43.1	35.3
77.5°	4.1	4.6	6.4	8.2	8.7	10.5	14.2	17.9	20.6	19.2	17.4
80°	0.5	0.9	1.8	4.1	6.4	8.2	10.5	11.9	13.3	13.3	12.4
82.5°	0.5	0.5	1.8	3.7	6.0	7.8	10.1	11.5	13.3	13.7	12.8
85°	0.0	0.5	1.4	3.2	5.0	5.0	4.6	4.6	3.2	3.2	3.2
87.5°	0.0	0.0	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9
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: P526081

CATALOG NUMBER: GLAN-SA1A-730-U-T2-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	413.8	413.8	413.8	413.8	413.8	413.8	413.8	413.8	413.8	413.8	413.8
2.5°	417.5	416.5	404.2	396.4	392.3	384.0	379.0	375.3	372.6	369.3	369.8
5°	423.0	419.8	399.1	384.9	368.0	358.8	351.0	344.6	340.5	339.6	337.7
7.5°	438.5	421.6	390.4	364.8	343.2	334.1	327.2	323.1	324.9	320.8	324.0
10°	450.5	425.3	379.9	342.8	321.2	314.4	310.7	313.9	318.5	316.6	314.4
12.5°	465.1	428.9	362.9	321.7	301.5	296.5	302.9	308.9	318.0	321.7	317.1
15°	481.6	433.0	341.4	297.4	284.6	288.7	299.7	310.2	319.4	324.0	326.7
17.5°	501.8	431.7	320.3	278.2	268.5	280.4	293.7	303.4	317.1	324.0	322.1
20°	520.6	427.1	296.9	258.9	259.4	270.4	281.4	296.9	304.3	313.4	310.2
22.5°	538.4	418.8	272.7	245.6	245.6	262.6	268.1	278.2	284.6	289.2	288.7
25°	563.6	403.3	252.5	232.8	238.3	249.3	253.9	257.1	254.3	258.0	258.5
27.5°	581.5	387.2	236.0	221.3	231.4	239.7	238.3	236.5	230.0	225.0	228.2
30°	600.8	368.4	221.8	213.5	219.0	226.4	220.9	215.4	205.3	197.0	197.5
32.5°	628.3	359.7	209.4	204.4	211.7	212.6	206.7	198.4	188.3	180.5	180.1
35°	679.6	354.2	198.9	198.4	199.8	200.3	194.3	184.2	180.1	173.7	176.0
37.5°	730.9	351.5	191.5	189.7	189.3	189.7	182.8	173.2	181.0	180.5	181.5
40°	796.4	363.8	181.0	178.7	179.2	179.2	170.5	167.7	181.5	182.8	183.3
42.5°	862.9	379.4	174.1	166.8	168.6	168.6	164.1	160.8	170.5	161.3	159.9
45°	920.6	402.3	166.8	154.9	159.5	161.8	160.4	154.9	148.9	133.4	133.4
47.5°	939.4	422.5	158.1	143.4	147.1	157.2	153.1	141.6	131.1	118.2	117.3
50°	972.4	444.5	151.2	130.1	137.9	150.3	146.2	134.7	122.8	113.6	114.1
52.5°	1006.3	469.7	138.4	114.6	124.2	144.8	144.8	132.0	113.6	107.2	106.3
55°	1057.2	468.8	115.5	93.9	110.9	136.6	138.8	118.2	101.7	96.7	96.7
56°	1064.5	447.7	104.0	88.0	104.9	134.3	134.7	114.6	97.1	91.6	91.6
57.5°	1009.5	404.2	91.2	80.7	97.6	130.1	130.6	111.4	93.5	85.7	84.8
60°	776.7	273.6	76.1	71.9	88.4	117.3	119.6	101.3	82.0	76.1	75.6
62.5°	438.5	151.7	66.9	65.1	76.1	99.9	106.8	88.4	69.7	66.4	67.4
65°	200.3	83.4	56.4	52.7	61.4	77.0	86.2	72.9	57.3	53.6	53.6
67.5°	73.3	56.8	48.1	41.7	43.1	49.9	55.9	47.2	38.0	32.5	33.9
70°	52.2	47.7	42.2	36.2	33.5	32.5	32.1	26.6	18.8	14.7	15.6
72.5°	42.2	39.4	35.3	30.7	26.1	22.0	18.8	13.7	8.7	6.0	5.5
75°	30.2	28.9	25.7	22.0	18.3	15.6	12.8	8.7	4.6	2.3	2.3
77.5°	15.6	15.6	15.1	13.7	11.5	9.2	7.3	5.0	2.7	0.9	0.9
80°	11.9	12.8	13.3	11.9	10.5	8.2	6.0	3.7	1.8	0.5	0.5
82.5°	11.5	13.3	14.2	12.4	10.5	7.8	6.0	3.7	1.8	0.5	0.5
85°	2.7	2.7	4.1	4.6	6.0	6.4	5.0	3.2	1.4	0.5	0.5
87.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.5	0.5	0.5	0.5	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)