

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: P322515

Luminaire Tested: **GAN-SA1B-730-U-T4FT-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322515
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-17)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1B-730-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV FORWARD
THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3869 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

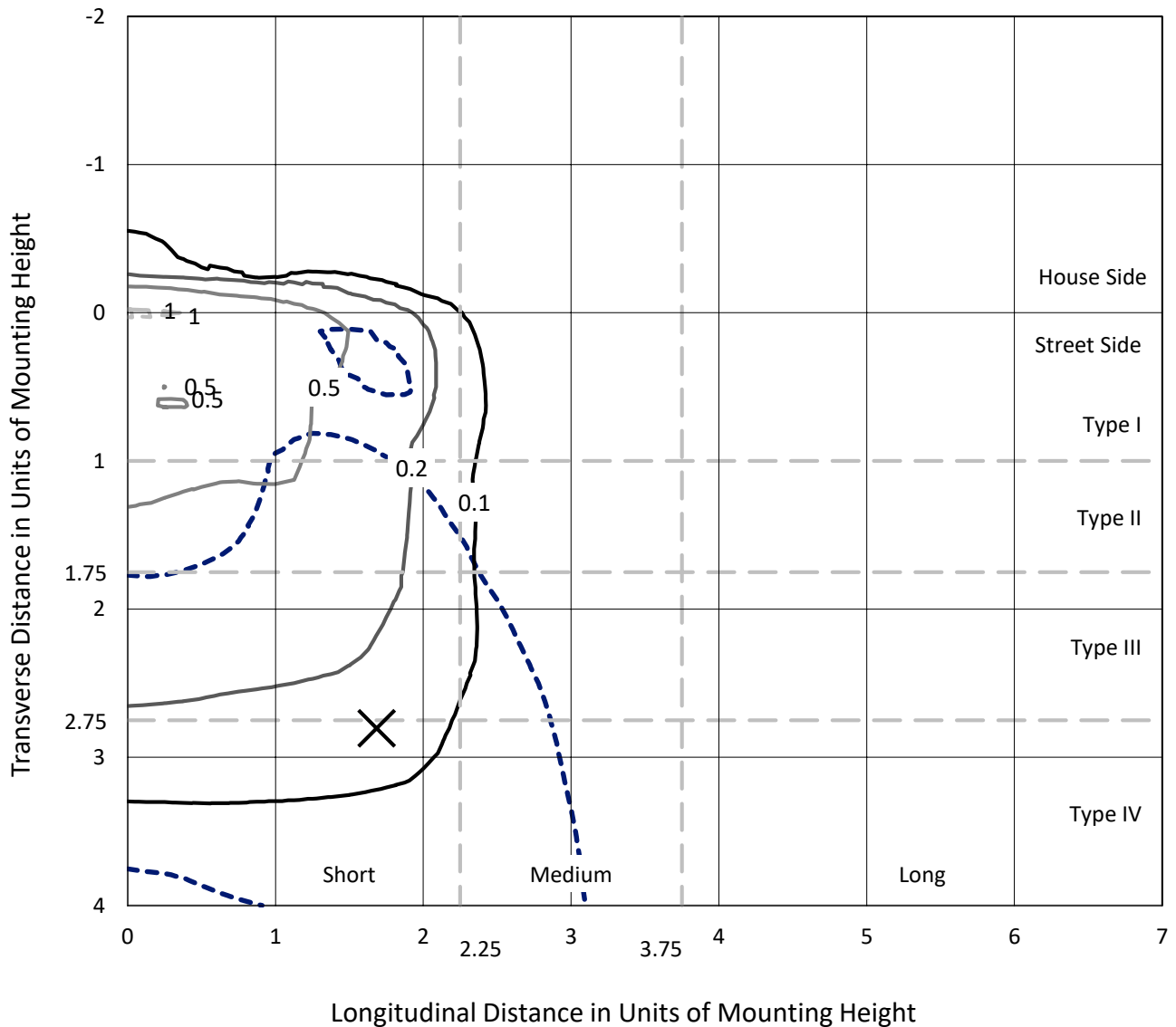
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

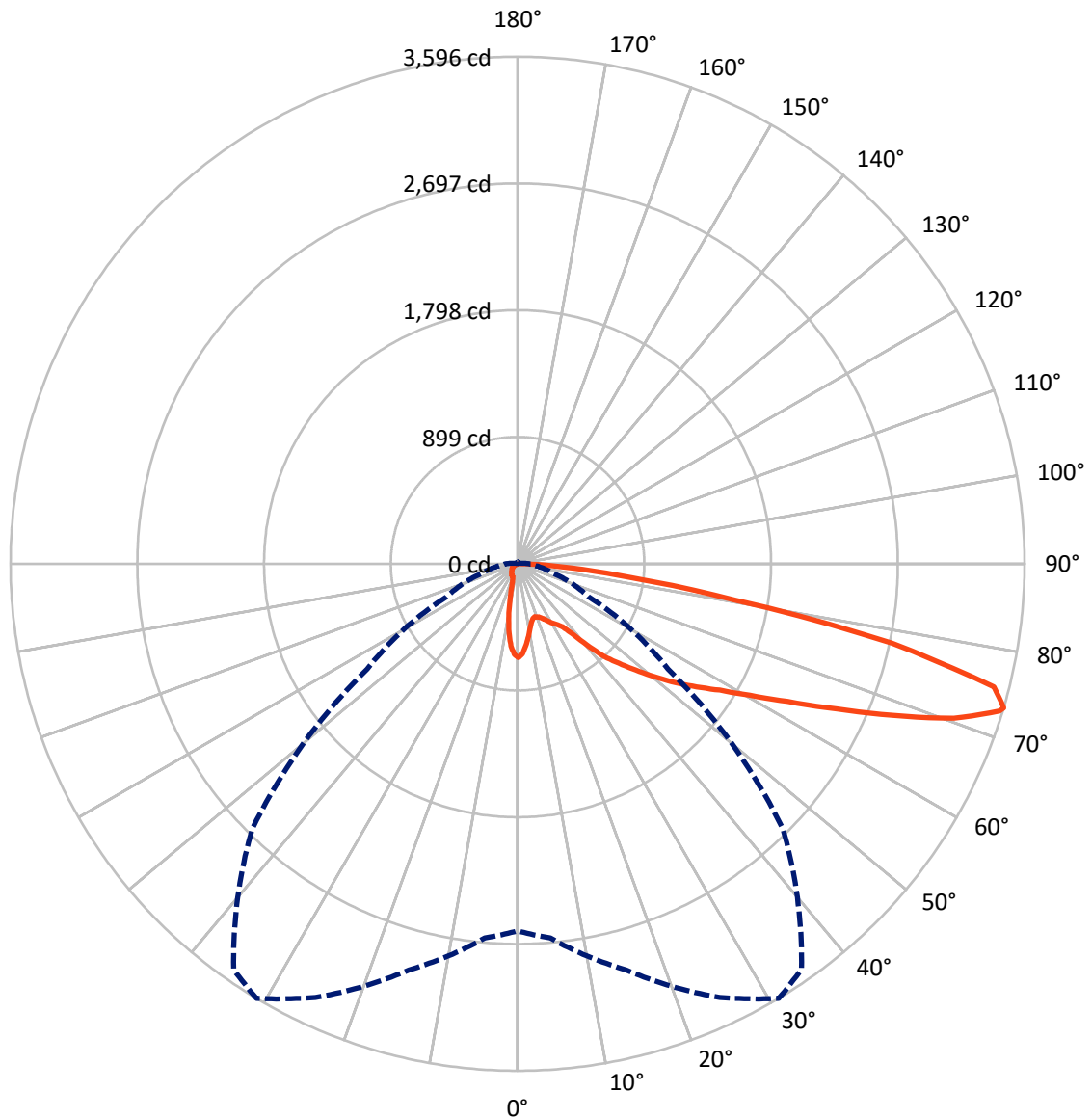
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 31-Deg Lateral - - - Horizontal Cone Through 73-Deg Vertical

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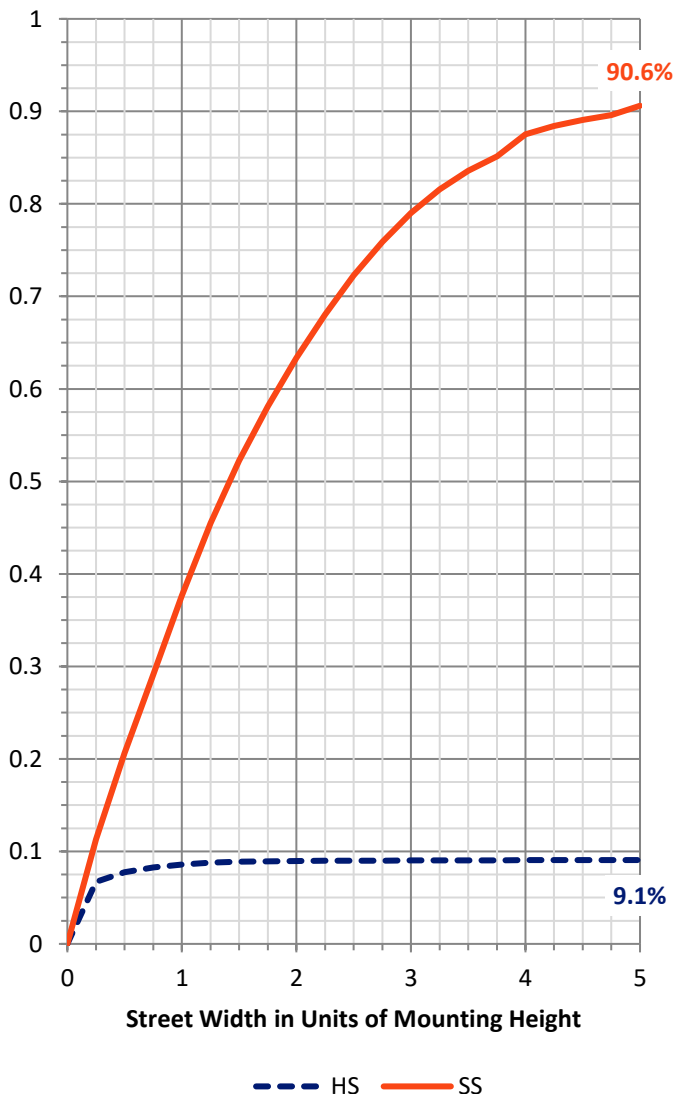
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	352.7	0.0	352.7
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	3516.3	0.0	3516.3
	% Fixture	90.9	0.0	90.9
Total	Lumens	3869.0	0.0	3869.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.2	1.4
10°-20°	119.8	3.1
20°-30°	179.6	4.6
30°-40°	285.7	7.4
40°-50°	510.1	13.2
50°-60°	791.6	20.5
60°-70°	1052.3	27.2
70°-80°	791.5	20.5
80°-90°	83.2	2.1
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°	3869.0	100.0
0°-180°	3869.0	100.0

Coefficient of Utilization



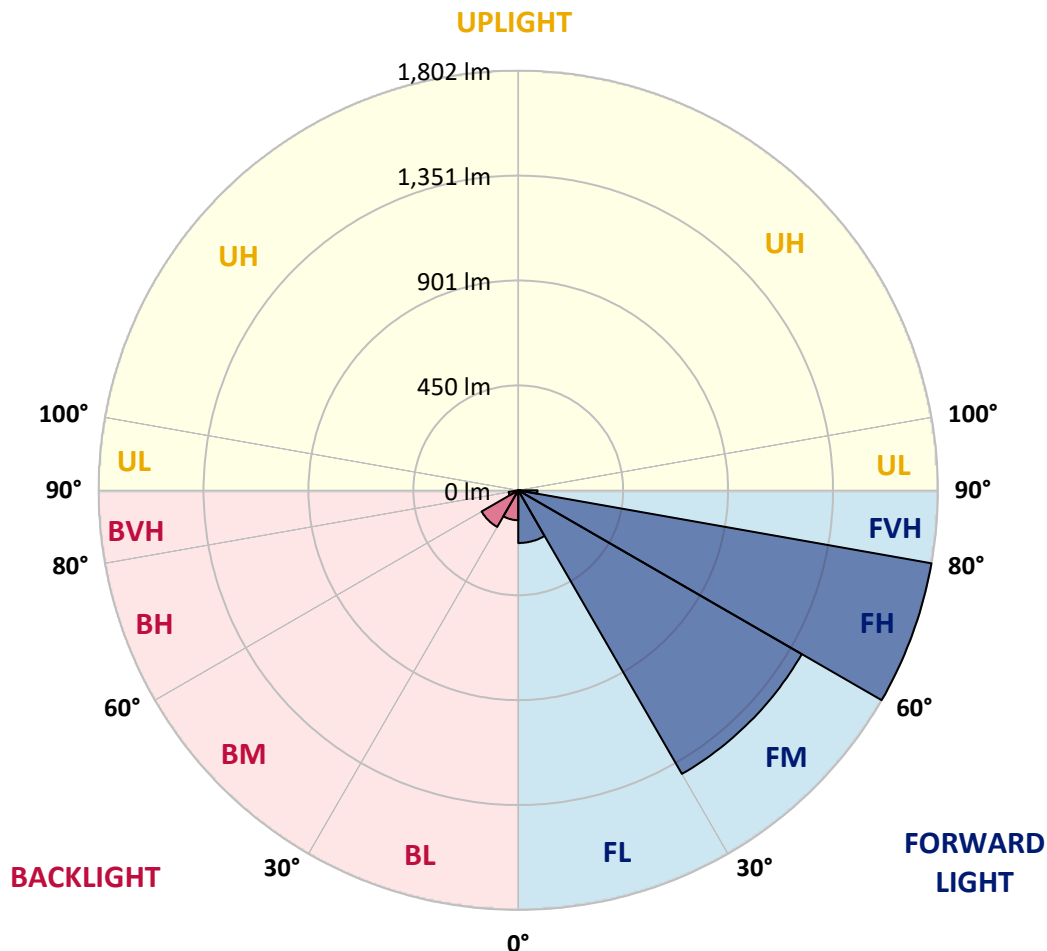
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	226.3	5.9			
FM (30°-60°)	1405.9	36.3			
FH (60°-80°)	1801.7	46.6			G2/5000
FVH (80°-90°)	82.5	2.1			G1/100
BL (0°-30°)	128.2	3.3	B1/500		
BM (30°-60°)	181.5	4.7	B0/220		
BH (60°-80°)	42.2	1.1	B0/110		G0/110
BVH (80°-90°)	0.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	31°	35°	45°	55°	65°	75°	85°
0°	665.7	665.7	665.7	665.7	665.7	665.7	665.7	665.7	665.7	665.7	665.7
2.5°	630.8	633.5	636.3	636.9	641.6	641.8	648.6	653.7	658.9	663.8	665.5
5°	566.1	570.4	575.6	580.7	590.7	594.7	611.3	628.4	644.7	660.2	667.8
7.5°	497.0	501.9	509.1	521.8	533.0	540.7	567.0	597.3	627.6	656.2	672.7
10°	433.9	438.5	446.1	459.5	476.7	487.3	522.7	564.8	609.3	652.6	680.1
12.5°	393.8	396.3	400.4	414.8	430.3	442.3	483.9	536.0	594.1	652.4	692.0
15°	386.4	387.2	383.8	390.2	402.3	413.9	456.1	512.7	582.6	655.4	707.5
17.5°	398.2	397.8	386.4	385.7	395.3	404.8	442.5	496.6	574.4	662.5	727.6
20°	415.9	414.6	394.9	391.3	401.6	410.5	441.5	490.5	571.4	674.2	752.0
22.5°	439.6	437.3	406.5	402.7	413.7	423.0	453.2	496.4	574.0	689.9	780.4
25°	469.0	465.6	426.4	422.2	433.4	442.6	474.3	513.3	582.0	709.0	816.4
27.5°	502.1	497.2	458.2	447.4	460.1	469.7	502.3	539.0	594.5	729.3	860.5
30°	533.3	526.9	491.7	473.9	489.4	500.2	532.6	569.7	614.6	760.5	920.9
32.5°	564.8	557.6	521.6	500.4	514.4	526.1	563.8	611.9	652.2	808.2	1001.2
35°	637.1	629.5	585.4	550.4	550.2	556.8	607.5	669.6	702.0	874.7	1097.0
37.5°	758.8	754.5	712.4	646.0	628.2	620.8	667.2	738.6	773.6	966.1	1205.1
40°	892.1	888.3	841.2	781.0	753.9	735.7	752.8	834.5	874.7	1077.8	1315.4
42.5°	1042.6	1024.6	940.6	922.6	898.4	884.5	869.2	952.9	998.9	1199.4	1424.9
45°	1179.3	1149.0	1040.0	1012.7	1007.2	1010.6	1019.1	1111.9	1138.6	1343.8	1533.9
47.5°	1260.7	1236.9	1153.2	1127.1	1125.5	1148.1	1212.4	1291.6	1277.8	1469.7	1629.9
50°	1338.2	1316.6	1247.1	1253.5	1260.5	1291.2	1431.9	1476.4	1404.8	1583.9	1717.9
52.5°	1400.8	1367.9	1331.5	1367.7	1402.1	1451.6	1658.3	1642.2	1494.9	1674.8	1793.3
55°	1437.0	1422.0	1439.6	1476.0	1540.7	1621.0	1872.1	1780.2	1560.8	1757.7	1843.5
57.5°	1569.5	1540.2	1575.2	1606.6	1691.1	1803.3	2055.1	1883.0	1608.3	1809.0	1855.0
60°	1729.9	1706.2	1726.8	1779.1	1893.1	2025.0	2226.3	1966.9	1633.1	1842.0	1825.1
62.5°	1985.1	1953.8	1941.0	1999.5	2150.6	2294.6	2356.2	2025.0	1627.6	1827.4	1722.5
65°	2327.0	2294.6	2237.1	2290.1	2482.3	2583.9	2501.4	2037.3	1589.8	1709.4	1463.1
67.5°	2677.3	2653.8	2604.6	2693.9	2867.3	2900.1	2654.9	2007.4	1467.8	1386.1	1033.7
70°	2908.6	2898.6	2930.6	3128.2	3282.9	3273.4	2795.8	1846.7	1144.1	852.3	511.4
72.5°	2741.8	2789.9	3026.2	3384.6	3573.5	3496.3	2723.5	1418.0	653.9	327.9	147.9
73°	2603.6	2665.1	2983.2	3394.2	3596.4	3511.8	2662.7	1301.6	557.4	258.8	112.1
75°	1811.3	1886.8	2469.8	3161.2	3489.3	3346.0	2219.5	796.7	258.2	114.7	45.2
77.5°	879.4	935.3	1359.9	2284.0	2713.6	2614.2	1381.7	296.9	116.6	71.8	20.8
80°	328.3	365.0	590.3	1162.5	1568.2	1609.3	607.7	112.3	77.6	57.7	10.6
82.5°	86.0	95.8	217.7	518.4	803.7	841.2	191.6	56.6	56.8	47.5	6.4
85°	27.5	31.4	68.0	232.7	378.7	332.5	50.0	27.5	41.3	35.4	3.6
87.5°	3.4	4.4	21.6	54.7	83.5	46.4	7.8	8.1	17.6	19.7	2.1
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°	665.7	665.7	665.7	665.7	665.7	665.7	665.7	665.7	665.7	665.7	665.7
2.5°	667.2	666.2	666.4	661.5	658.3	651.8	645.2	642.2	639.0	637.6	639.0
5°	670.6	668.9	664.0	648.8	632.7	611.9	592.4	577.6	559.1	554.0	559.3
7.5°	675.9	672.5	658.1	627.2	591.5	551.7	507.0	474.5	447.8	430.5	436.8
10°	683.7	677.2	648.3	595.8	531.8	461.4	398.0	348.5	313.5	299.1	298.6
12.5°	696.7	684.6	636.1	554.9	458.9	365.0	281.9	228.3	199.9	181.6	181.2
15°	711.1	693.3	620.8	505.9	374.1	261.5	181.6	140.9	122.5	116.6	115.9
17.5°	728.7	703.3	600.9	445.5	285.3	173.2	118.5	106.8	106.0	105.5	105.5
20°	750.9	715.3	575.4	376.4	202.4	115.7	100.7	101.5	101.9	101.1	101.3
22.5°	776.6	727.4	544.9	302.2	136.9	96.7	96.4	97.3	97.7	97.3	97.5
25°	806.5	741.4	507.8	224.4	98.8	91.8	92.8	94.1	95.0	95.0	95.0
27.5°	843.6	758.4	463.1	156.6	85.4	86.7	89.4	91.8	93.1	93.5	93.5
30°	891.9	779.6	409.5	107.3	77.6	79.9	84.8	89.6	92.0	92.4	92.6
32.5°	952.9	803.5	347.4	79.3	71.0	72.7	78.0	86.0	90.7	91.4	91.4
35°	1022.7	831.1	280.6	69.1	66.3	66.8	71.0	80.1	88.4	90.5	90.7
37.5°	1099.2	858.4	213.4	64.6	62.3	62.3	65.3	73.1	82.9	89.4	90.1
40°	1170.6	874.9	149.6	61.0	58.7	58.7	61.3	67.0	76.3	86.0	88.0
42.5°	1236.5	880.6	104.1	57.6	55.3	55.9	58.1	62.7	69.7	79.3	81.2
45°	1304.3	879.6	75.9	53.6	51.9	53.6	55.3	58.7	63.8	69.3	69.7
47.5°	1355.4	871.7	60.2	49.8	48.7	50.9	52.4	54.7	57.6	57.2	57.2
50°	1403.3	852.3	48.5	44.7	45.4	48.1	48.8	49.6	49.8	46.2	45.8
52.5°	1439.6	822.2	38.8	39.2	42.2	44.9	44.1	43.0	41.1	36.7	36.0
55°	1451.7	764.3	30.5	32.4	37.5	40.9	38.1	35.6	32.0	28.4	27.6
57.5°	1429.8	689.5	24.8	25.2	31.6	34.5	31.2	28.4	24.4	21.4	20.8
60°	1383.2	606.4	20.4	18.9	24.4	26.9	24.8	22.0	18.4	16.1	15.9
62.5°	1290.8	517.8	16.8	14.8	18.6	20.6	19.3	17.2	14.2	12.7	12.5
65°	1096.6	414.2	13.6	11.9	14.4	16.1	15.0	13.4	11.2	10.0	9.8
67.5°	765.4	280.0	11.2	9.8	11.4	12.7	11.7	11.0	8.9	8.7	8.9
70°	369.2	135.0	9.3	8.0	8.9	9.8	9.5	8.9	8.5	9.8	11.4
72.5°	105.8	45.2	7.4	6.6	7.2	7.8	8.1	8.0	9.3	11.9	13.8
73°	81.4	36.5	7.0	6.2	6.8	7.6	8.0	7.8	9.5	12.1	13.8
75°	34.8	17.6	5.3	5.1	5.7	6.6	7.0	7.0	9.5	12.3	13.3
77.5°	15.7	9.5	3.4	4.0	4.9	5.3	5.9	5.9	7.6	9.5	9.5
80°	8.9	5.1	2.7	3.0	3.6	3.6	3.6	3.2	3.4	3.8	4.2
82.5°	5.7	3.4	2.1	2.5	2.3	1.9	1.5	1.5	1.3	1.5	1.9
85°	3.2	1.9	1.9	1.5	0.9	0.8	0.9	0.8	0.2	0.0	0.2
87.5°	1.9	1.1	0.6	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)