

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: P322605

Luminaire Tested: **GAN-SA1C-750-U-T4FT-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322605
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-SA1C-750-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K, 1050mA 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: 5259 lumens
Efficiency: N/A
Efficacy: 89.1 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

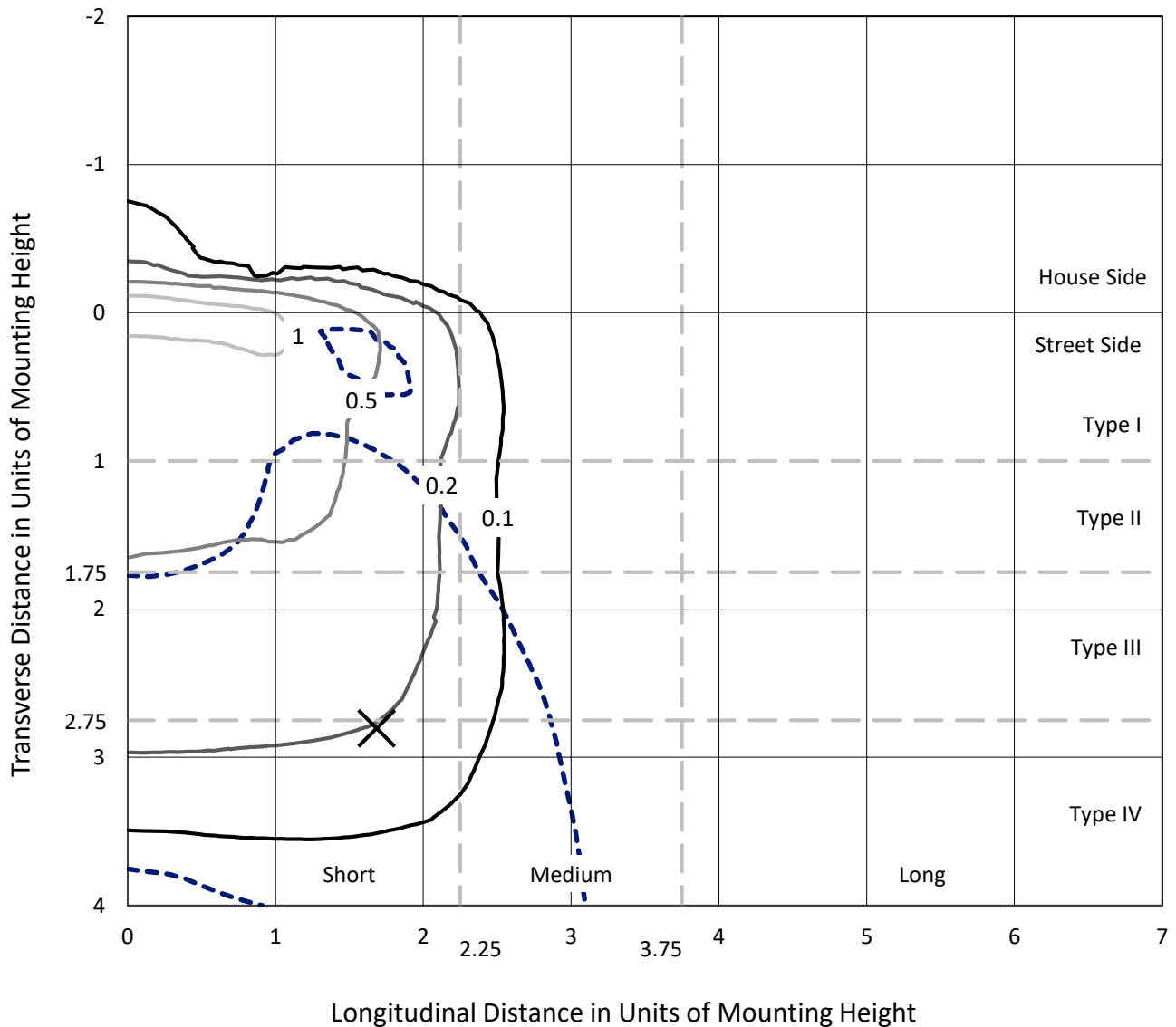
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P322605
 CATALOG NUMBER: GAN-SA1C-750-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

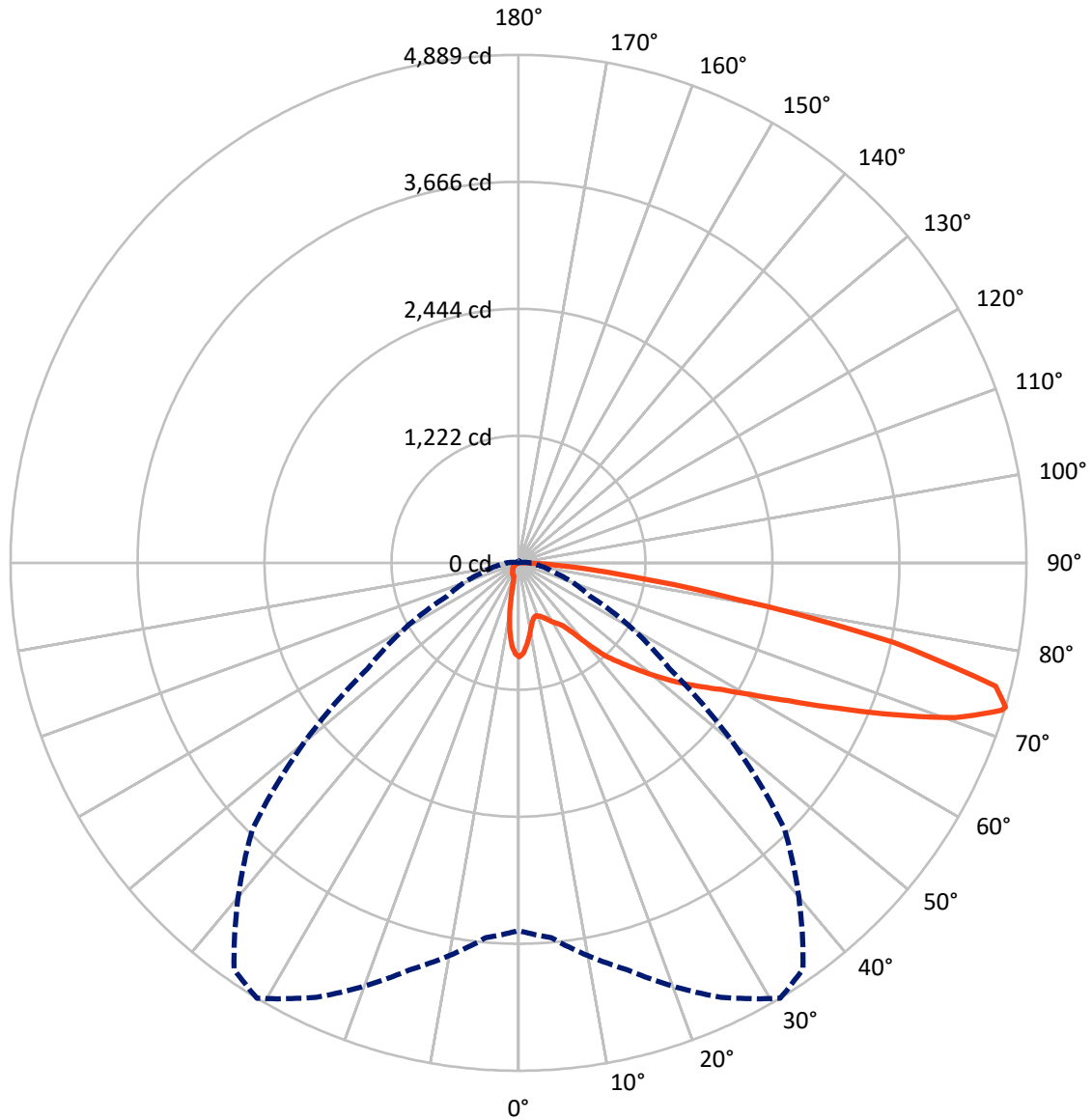
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P322605
CATALOG NUMBER: GAN-SA1C-750-U-T4FT-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P322605
 CATALOG NUMBER: GAN-SA1C-750-U-T4FT-HSS

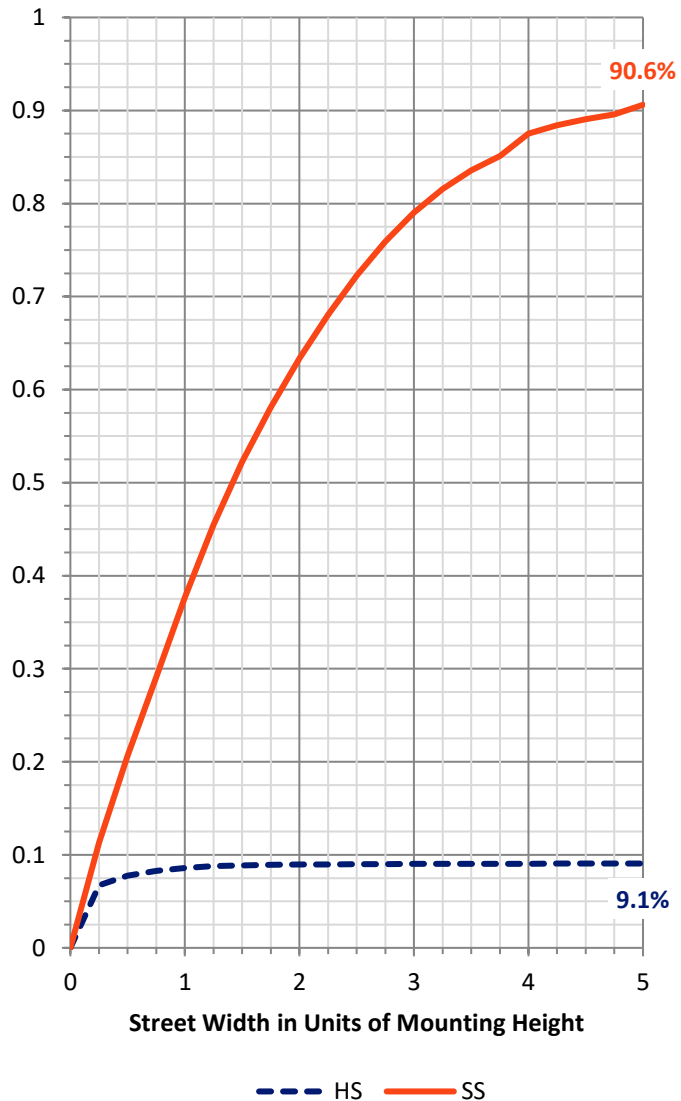
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	479.4	0.0	479.4
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	4779.6	0.0	4779.6
	% Fixture	90.9	0.0	90.9
Total	Lumens	5259.0	0.0	5259.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.0	1.4
10°-20°	162.9	3.1
20°-30°	244.1	4.6
30°-40°	388.3	7.4
40°-50°	693.4	13.2
50°-60°	1076.0	20.5
60°-70°	1430.4	27.2
70°-80°	1075.9	20.5
80°-90°	113.1	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°	5259.0	100.0
0°-180°	5259.0	100.0

Coefficient of Utilization



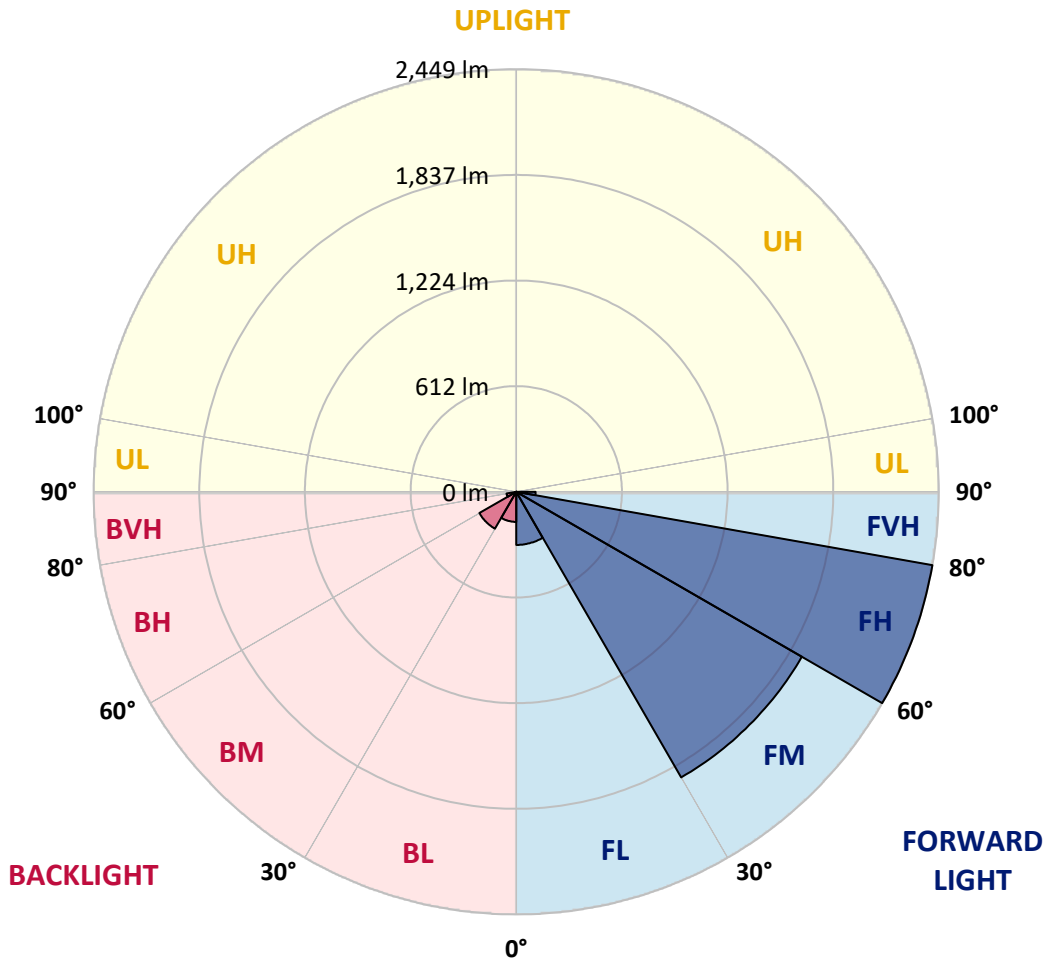
REPORT NUMBER: P322605
 CATALOG NUMBER: GAN-SA1C-750-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	307.7	5.9			
FM (30°-60°)	1910.9	36.3			
FH (60°-80°)	2448.9	46.6			G2/5000
FVH (80°-90°)	112.1	2.1			G2/225
BL (0°-30°)	174.3	3.3	B1/500		
BM (30°-60°)	246.7	4.7	B1/1000		
BH (60°-80°)	57.4	1.1	B0/110		G0/110
BVH (80°-90°)	1.0	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





REPORT NUMBER: P322605

CATALOG NUMBER: GAN-SA1C-750-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	31°	35°	45°	55°	65°	75°	85°
0°	904.8	904.8	904.8	904.8	904.8	904.8	904.8	904.8	904.8	904.8	904.8
2.5°	857.5	861.1	864.9	865.7	872.1	872.4	881.7	888.6	895.6	902.2	904.6
5°	769.5	775.4	782.3	789.3	802.9	808.3	831.0	854.1	876.3	897.4	907.7
7.5°	675.5	682.2	692.0	709.2	724.4	735.0	770.7	811.9	853.1	892.0	914.3
10°	589.8	596.0	606.3	624.6	648.0	662.4	710.5	767.7	828.1	887.1	924.4
12.5°	535.3	538.6	544.3	563.8	584.9	601.2	657.8	728.5	807.5	886.8	940.6
15°	525.2	526.3	521.6	530.4	546.9	562.6	619.9	696.9	791.8	890.9	961.7
17.5°	541.2	540.7	525.2	524.2	537.3	550.2	601.4	675.0	780.8	900.4	989.0
20°	565.4	563.6	536.8	531.9	545.8	557.9	600.1	666.8	776.7	916.4	1022.2
22.5°	597.6	594.5	552.5	547.4	562.3	574.9	616.1	674.8	780.3	937.8	1060.8
25°	637.4	632.8	579.5	573.9	589.1	601.7	644.6	697.7	791.1	963.8	1109.7
27.5°	682.5	675.8	622.8	608.1	625.3	638.5	682.7	732.7	808.1	991.3	1169.6
30°	724.9	716.2	668.3	644.1	665.2	679.9	723.9	774.3	835.3	1033.8	1251.7
32.5°	767.7	757.9	709.0	680.2	699.2	715.2	766.4	831.7	886.6	1098.6	1360.8
35°	866.0	855.7	795.7	748.1	747.8	756.8	825.8	910.2	954.2	1188.9	1491.1
37.5°	1031.4	1025.5	968.4	878.1	853.9	843.8	906.9	1003.9	1051.5	1313.2	1638.0
40°	1212.6	1207.5	1143.4	1061.5	1024.7	1000.0	1023.2	1134.4	1188.9	1465.1	1788.0
42.5°	1417.2	1392.7	1278.5	1254.0	1221.1	1202.3	1181.5	1295.2	1357.7	1630.3	1936.8
45°	1603.0	1561.8	1413.6	1376.5	1369.1	1373.7	1385.3	1511.4	1547.7	1826.6	2085.0
47.5°	1713.7	1681.2	1567.5	1532.0	1529.9	1560.5	1648.0	1755.6	1736.8	1997.8	2215.5
50°	1818.9	1789.6	1695.1	1703.9	1713.4	1755.1	1946.3	2006.8	1909.5	2152.9	2335.1
52.5°	1904.1	1859.3	1809.9	1859.1	1905.9	1973.1	2254.1	2232.2	2032.0	2276.5	2437.6
55°	1953.2	1932.9	1956.8	2006.3	2094.3	2203.4	2544.6	2419.8	2121.5	2389.2	2505.8
57.5°	2133.4	2093.5	2141.1	2183.8	2298.6	2451.2	2793.5	2559.5	2186.1	2458.9	2521.5
60°	2351.4	2319.2	2347.2	2418.3	2573.2	2752.6	3026.1	2673.5	2219.8	2503.7	2480.8
62.5°	2698.3	2655.8	2638.3	2717.8	2923.2	3119.0	3202.6	2752.6	2212.4	2483.9	2341.3
65°	3163.0	3119.0	3040.8	3112.8	3374.0	3512.2	3400.0	2769.3	2160.9	2323.6	1988.8
67.5°	3639.1	3607.2	3540.3	3661.7	3897.5	3942.0	3608.7	2728.6	1995.2	1884.0	1405.1
70°	3953.6	3939.9	3983.4	4252.1	4462.3	4449.5	3800.2	2510.1	1555.1	1158.6	695.1
72.5°	3726.9	3792.2	4113.4	4600.5	4857.4	4752.4	3701.9	1927.5	888.9	445.7	201.0
73°	3539.0	3622.6	4055.0	4613.7	4888.5	4773.5	3619.3	1769.2	757.6	351.8	152.3
75°	2462.0	2564.7	3357.1	4296.9	4742.9	4548.0	3016.8	1082.9	351.0	156.0	61.5
77.5°	1195.4	1271.3	1848.5	3104.6	3688.5	3553.4	1878.1	403.5	158.5	97.5	28.3
80°	446.2	496.2	802.4	1580.1	2131.6	2187.4	826.1	152.6	105.5	78.5	14.4
82.5°	116.8	130.2	295.9	704.6	1092.4	1143.4	260.4	76.9	77.2	64.6	8.7
85°	37.3	42.7	92.4	316.3	514.7	451.9	67.9	37.3	56.1	48.1	4.9
87.5°	4.6	5.9	29.3	74.4	113.5	63.0	10.6	11.1	23.9	26.8	2.8
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: P322605
 CATALOG NUMBER: GAN-SA1C-750-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	904.8	904.8	904.8	904.8	904.8	904.8	904.8	904.8	904.8	904.8	904.8
2.5°	906.9	905.6	905.9	899.2	894.8	886.0	877.0	872.9	868.5	866.7	868.5
5°	911.5	909.2	902.5	881.9	860.0	831.7	805.2	785.2	759.9	753.0	760.2
7.5°	918.7	914.1	894.5	852.6	803.9	749.9	689.2	644.9	608.6	585.2	593.7
10°	929.3	920.5	881.1	809.9	722.9	627.1	540.9	473.8	426.2	406.6	405.8
12.5°	947.0	930.6	864.7	754.3	623.8	496.2	383.2	310.4	271.8	246.8	246.3
15°	966.6	942.4	843.8	687.6	508.5	355.4	246.8	191.5	166.5	158.5	157.5
17.5°	990.5	956.0	816.8	605.5	387.8	235.5	161.1	145.1	144.1	143.3	143.3
20°	1020.6	972.2	782.1	511.6	275.1	157.2	136.9	137.9	138.5	137.4	137.7
22.5°	1055.6	988.7	740.6	410.7	186.1	131.5	131.0	132.3	132.8	132.3	132.5
25°	1096.3	1007.8	690.2	305.0	134.3	124.8	126.1	127.9	129.2	129.2	129.2
27.5°	1146.7	1030.9	629.5	212.8	116.1	117.9	121.5	124.8	126.6	127.1	127.1
30°	1212.3	1059.7	556.6	145.9	105.5	108.6	115.3	121.7	125.1	125.6	125.8
32.5°	1295.2	1092.2	472.2	107.8	96.5	98.8	106.0	116.8	123.3	124.3	124.3
35°	1390.2	1129.7	381.4	93.9	90.1	90.8	96.5	108.9	120.2	123.0	123.3
37.5°	1494.1	1166.8	290.0	87.8	84.7	84.7	88.8	99.3	112.7	121.5	122.5
40°	1591.2	1189.2	203.3	82.9	79.8	79.8	83.4	91.1	103.7	116.8	119.7
42.5°	1680.7	1196.9	141.5	78.2	75.1	75.9	79.0	85.2	94.7	107.8	110.4
45°	1772.8	1195.6	103.2	72.8	70.5	72.8	75.1	79.8	86.7	94.2	94.7
47.5°	1842.3	1184.8	81.8	67.7	66.1	69.2	71.3	74.4	78.2	77.7	77.7
50°	1907.4	1158.6	65.9	60.7	61.8	65.4	66.4	67.4	67.7	62.8	62.3
52.5°	1956.8	1117.6	52.8	53.3	57.4	61.0	60.0	58.4	55.8	49.9	48.9
55°	1973.3	1038.9	41.4	44.0	51.0	55.6	51.7	48.4	43.5	38.6	37.6
57.5°	1943.5	937.2	33.7	34.2	43.0	46.8	42.5	38.6	33.2	29.1	28.3
60°	1880.2	824.3	27.8	25.7	33.2	36.5	33.7	29.9	25.0	21.9	21.6
62.5°	1754.6	703.8	22.9	20.1	25.2	28.1	26.2	23.4	19.3	17.2	17.0
65°	1490.5	563.1	18.5	16.2	19.6	21.9	20.3	18.3	15.2	13.6	13.4
67.5°	1040.4	380.6	15.2	13.4	15.4	17.2	16.0	14.9	12.1	11.8	12.1
70°	501.8	183.5	12.6	10.8	12.1	13.4	12.9	12.1	11.6	13.4	15.4
72.5°	143.9	61.5	10.0	9.0	9.8	10.6	11.1	10.8	12.6	16.2	18.8
73°	110.7	49.7	9.5	8.5	9.3	10.3	10.8	10.6	12.9	16.5	18.8
75°	47.4	23.9	7.2	6.9	7.7	9.0	9.5	9.5	12.9	16.7	18.0
77.5°	21.4	12.9	4.6	5.4	6.7	7.2	8.0	8.0	10.3	12.9	12.9
80°	12.1	6.9	3.6	4.1	4.9	4.9	4.9	4.4	4.6	5.1	5.7
82.5°	7.7	4.6	2.8	3.3	3.1	2.6	2.1	2.1	1.8	2.1	2.6
85°	4.4	2.6	2.6	2.1	1.3	1.0	1.3	1.0	0.3	0.0	0.3
87.5°	2.6	1.5	0.8	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)