

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: P322565

Luminaire Tested: **GAN-SA1C-740-U-T4FT-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322565
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-740-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 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: 5260 lumens
Efficiency: N/A
Efficacy: 89.2 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

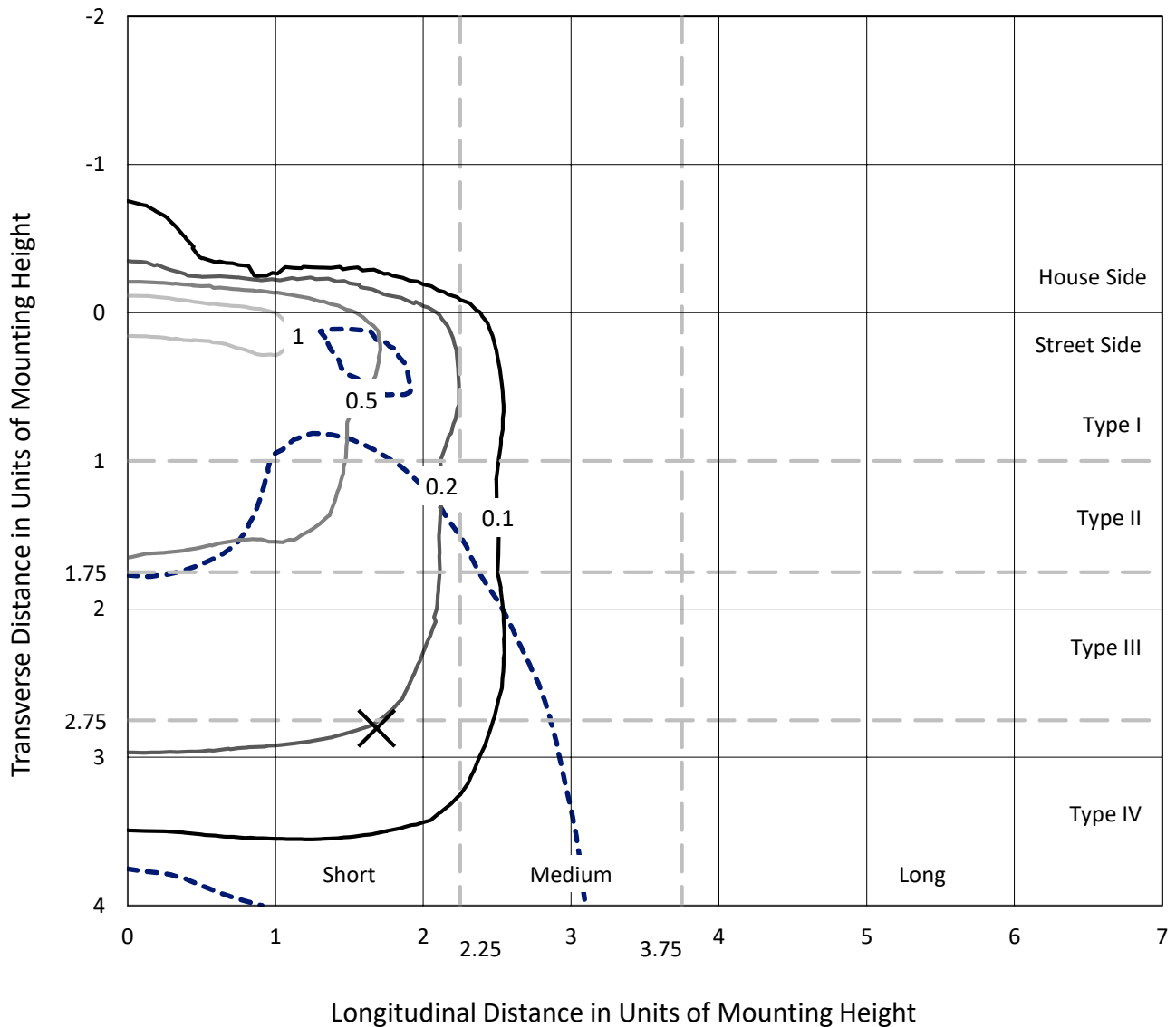
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

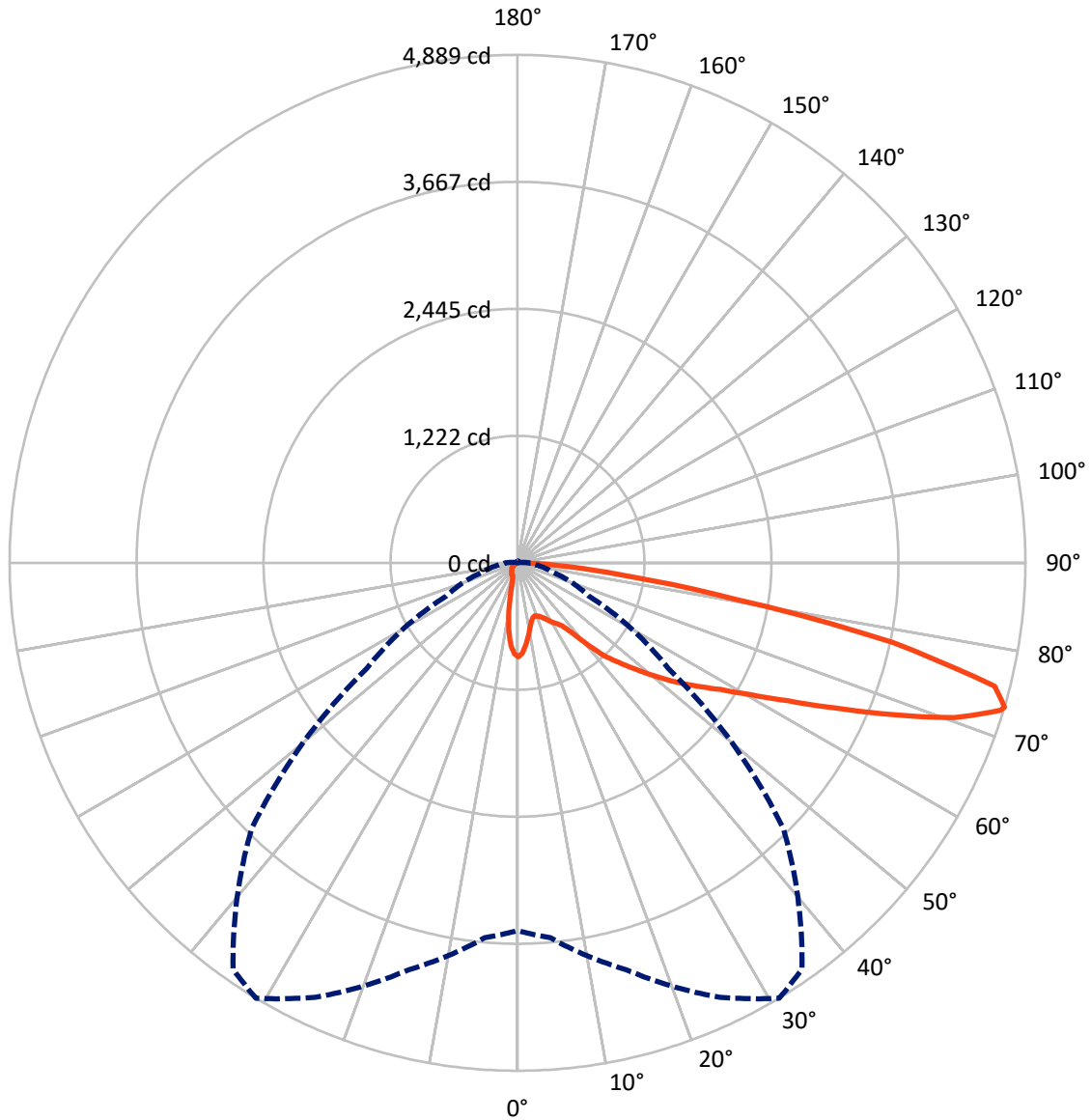
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 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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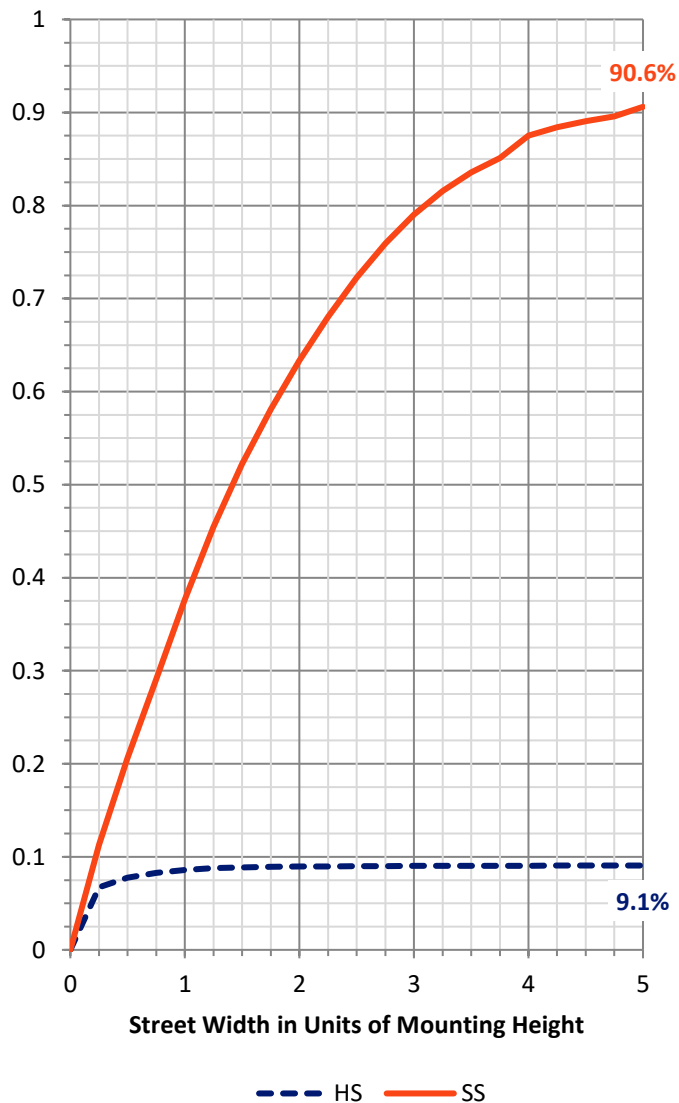
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	479.5	0.0	479.5
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	4780.5	0.0	4780.5
	% Fixture	90.9	0.0	90.9
Total	Lumens	5260.0	0.0	5260.0
	% 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°	388.4	7.4
40°-50°	693.5	13.2
50°-60°	1076.2	20.5
60°-70°	1430.6	27.2
70°-80°	1076.1	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°	5260.0	100.0
0°-180°	5260.0	100.0

Coefficient of Utilization

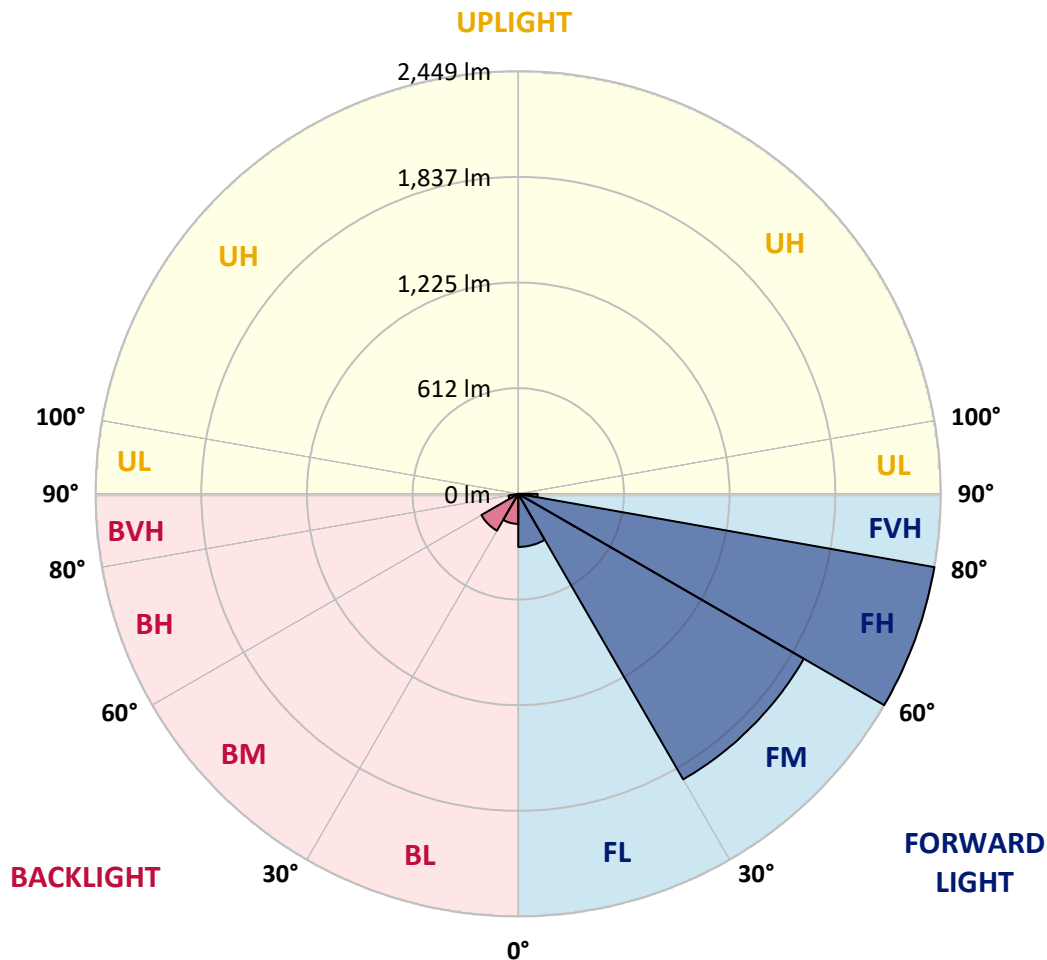


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	307.7	5.9			
FM (30°-60°)	1911.3	36.3			
FH (60°-80°)	2449.4	46.6			G2/5000
FVH (80°-90°)	112.1	2.1			G2/225
BL (0°-30°)	174.4	3.3	B1/500		
BM (30°-60°)	246.8	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	31°	35°	45°	55°	65°	75°	85°
0°	905.0	905.0	905.0	905.0	905.0	905.0	905.0	905.0	905.0	905.0	905.0
2.5°	857.6	861.2	865.1	865.9	872.3	872.6	881.8	888.8	895.7	902.4	904.7
5°	769.6	775.5	782.5	789.4	803.1	808.5	831.1	854.3	876.4	897.5	907.8
7.5°	675.7	682.3	692.1	709.4	724.6	735.1	770.9	812.1	853.3	892.1	914.5
10°	589.9	596.1	606.4	624.7	648.1	662.5	710.7	767.8	828.3	887.2	924.6
12.5°	535.4	538.7	544.4	563.9	585.1	601.3	657.9	728.7	807.7	887.0	940.8
15°	525.3	526.4	521.7	530.5	547.0	562.7	620.1	697.0	792.0	891.1	961.9
17.5°	541.3	540.8	525.3	524.3	537.4	550.3	601.5	675.1	780.9	900.6	989.2
20°	565.5	563.7	536.9	532.0	545.9	558.0	600.2	666.9	776.8	916.6	1022.4
22.5°	597.7	594.6	552.6	547.5	562.4	575.0	616.2	674.9	780.4	937.9	1061.0
25°	637.6	632.9	579.6	574.0	589.2	601.8	644.8	697.8	791.2	963.9	1109.9
27.5°	682.6	675.9	622.9	608.2	625.5	638.6	682.9	732.8	808.2	991.5	1169.9
30°	725.1	716.3	668.4	644.3	665.4	680.0	724.0	774.5	835.5	1033.9	1252.0
32.5°	767.8	758.0	709.1	680.3	699.3	715.3	766.5	831.9	886.7	1098.8	1361.1
35°	866.1	855.8	795.9	748.2	748.0	757.0	826.0	910.4	954.4	1189.2	1491.3
37.5°	1031.6	1025.7	968.6	878.2	854.0	844.0	907.1	1004.1	1051.7	1313.5	1638.3
40°	1212.8	1207.7	1143.6	1061.7	1024.9	1000.2	1023.4	1134.6	1189.2	1465.3	1788.4
42.5°	1417.5	1393.0	1278.7	1254.3	1221.3	1202.5	1181.7	1295.5	1358.0	1630.6	1937.1
45°	1603.3	1562.1	1413.9	1376.8	1369.3	1374.0	1385.5	1511.7	1548.0	1827.0	2085.4
47.5°	1714.0	1681.5	1567.8	1532.3	1530.2	1560.8	1648.3	1755.9	1737.1	1998.1	2215.9
50°	1819.3	1789.9	1695.4	1704.2	1713.7	1755.4	1946.7	2007.2	1909.9	2153.3	2335.6
52.5°	1904.5	1859.7	1810.2	1859.4	1906.3	1973.4	2254.5	2232.6	2032.4	2276.9	2438.0
55°	1953.6	1933.3	1957.2	2006.6	2094.7	2203.8	2545.1	2420.3	2121.9	2389.6	2506.2
57.5°	2133.8	2093.9	2141.5	2184.2	2299.0	2451.7	2794.0	2560.0	2186.6	2459.4	2521.9
60°	2351.8	2319.6	2347.7	2418.7	2573.7	2753.1	3026.7	2674.1	2220.3	2504.2	2481.3
62.5°	2698.8	2656.3	2638.8	2718.3	2923.7	3119.6	3203.3	2753.1	2212.8	2484.4	2341.8
65°	3163.6	3119.6	3041.4	3113.4	3374.7	3512.9	3400.7	2769.8	2161.3	2324.0	1989.1
67.5°	3639.8	3607.9	3541.0	3662.4	3898.2	3942.7	3609.4	2729.1	1995.6	1884.4	1405.4
70°	3954.3	3940.7	3984.2	4252.9	4463.2	4450.3	3800.9	2510.6	1555.4	1158.8	695.2
72.5°	3727.6	3792.9	4114.2	4601.4	4858.3	4753.3	3702.6	1927.9	889.0	445.8	201.0
73°	3539.7	3623.3	4055.7	4614.5	4889.4	4774.4	3620.0	1769.6	757.8	351.9	152.4
75°	2462.5	2565.2	3357.7	4297.7	4743.8	4548.9	3017.4	1083.1	351.1	156.0	61.5
77.5°	1195.6	1271.5	1848.9	3105.2	3689.2	3554.1	1878.5	403.6	158.6	97.6	28.3
80°	446.3	496.3	802.6	1580.4	2132.0	2187.8	826.2	152.6	105.5	78.5	14.4
82.5°	116.9	130.2	296.0	704.7	1092.6	1143.6	260.5	77.0	77.2	64.6	8.8
85°	37.3	42.7	92.4	316.3	514.8	452.0	68.0	37.3	56.1	48.1	4.9
87.5°	4.6	5.9	29.3	74.4	113.5	63.1	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	905.0	905.0	905.0	905.0	905.0	905.0	905.0	905.0	905.0	905.0	905.0
2.5°	907.1	905.8	906.0	899.3	895.0	886.2	877.2	873.1	868.7	866.9	868.7
5°	911.7	909.4	902.7	882.1	860.2	831.9	805.4	785.3	760.1	753.1	760.3
7.5°	918.9	914.3	894.7	852.7	804.1	750.0	689.3	645.0	608.7	585.3	593.8
10°	929.4	920.7	881.3	810.0	723.0	627.3	541.0	473.9	426.2	406.7	405.9
12.5°	947.2	930.7	864.8	754.4	623.9	496.3	383.3	310.4	271.8	246.8	246.3
15°	966.8	942.6	844.0	687.8	508.6	355.5	246.8	191.5	166.5	158.6	157.5
17.5°	990.7	956.2	817.0	605.6	387.9	235.5	161.1	145.2	144.1	143.4	143.4
20°	1020.8	972.4	782.2	511.7	275.2	157.3	136.9	138.0	138.5	137.4	137.7
22.5°	1055.8	988.9	740.8	410.8	186.1	131.5	131.0	132.3	132.8	132.3	132.6
25°	1096.5	1008.0	690.3	305.0	134.4	124.8	126.1	127.9	129.2	129.2	129.2
27.5°	1146.9	1031.1	629.6	212.9	116.1	117.9	121.5	124.8	126.6	127.2	127.2
30°	1212.6	1059.9	556.7	145.9	105.5	108.6	115.3	121.7	125.1	125.6	125.9
32.5°	1295.5	1092.4	472.3	107.8	96.5	98.8	106.0	116.9	123.3	124.3	124.3
35°	1390.4	1130.0	381.5	93.9	90.1	90.9	96.5	108.9	120.2	123.0	123.3
37.5°	1494.4	1167.0	290.1	87.8	84.7	84.7	88.8	99.4	112.7	121.5	122.5
40°	1591.5	1189.4	203.3	82.9	79.8	79.8	83.4	91.1	103.7	116.9	119.7
42.5°	1681.0	1197.1	141.6	78.2	75.2	75.9	79.0	85.2	94.7	107.8	110.4
45°	1773.2	1195.8	103.2	72.8	70.5	72.8	75.2	79.8	86.7	94.2	94.7
47.5°	1842.7	1185.0	81.9	67.7	66.2	69.2	71.3	74.4	78.2	77.7	77.7
50°	1907.8	1158.8	65.9	60.7	61.8	65.4	66.4	67.4	67.7	62.8	62.3
52.5°	1957.2	1117.9	52.8	53.3	57.4	61.0	60.0	58.4	55.9	49.9	48.9
55°	1973.7	1039.1	41.4	44.0	51.0	55.6	51.7	48.4	43.5	38.6	37.6
57.5°	1943.8	937.4	33.7	34.2	43.0	46.8	42.5	38.6	33.2	29.1	28.3
60°	1880.5	824.4	27.8	25.7	33.2	36.5	33.7	29.9	25.0	21.9	21.6
62.5°	1754.9	704.0	22.9	20.1	25.2	28.1	26.3	23.4	19.3	17.2	17.0
65°	1490.8	563.2	18.5	16.2	19.6	21.9	20.3	18.3	15.2	13.6	13.4
67.5°	1040.6	380.7	15.2	13.4	15.4	17.2	16.0	14.9	12.1	11.8	12.1
70°	501.9	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)