

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: P526711

Luminaire Tested: **GLAN-SA1C-830-U-T3R-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526711
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-11)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1C-830-U-T3R-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3438 lumens
Efficiency: N/A
Efficacy: 60.3 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

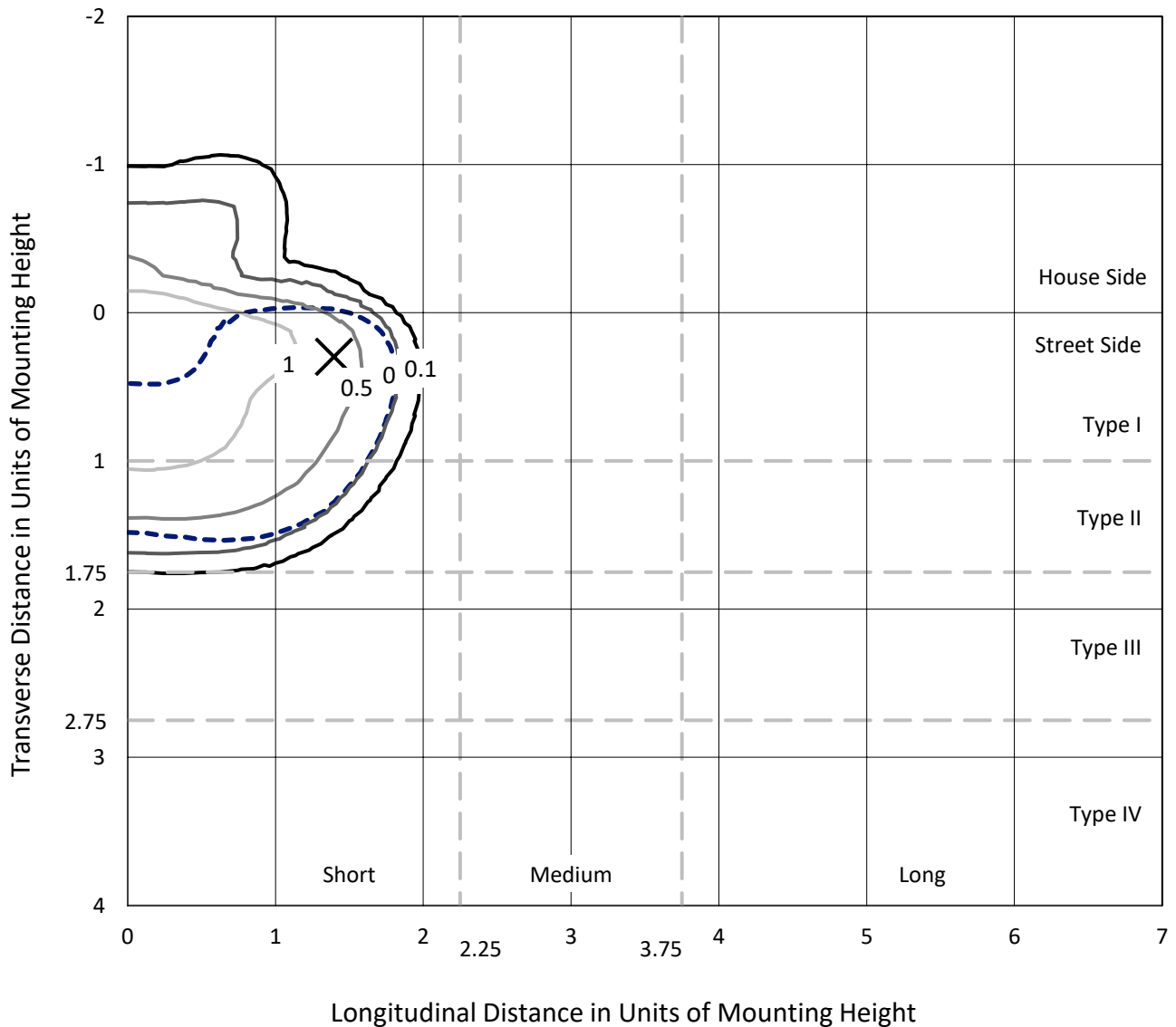
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

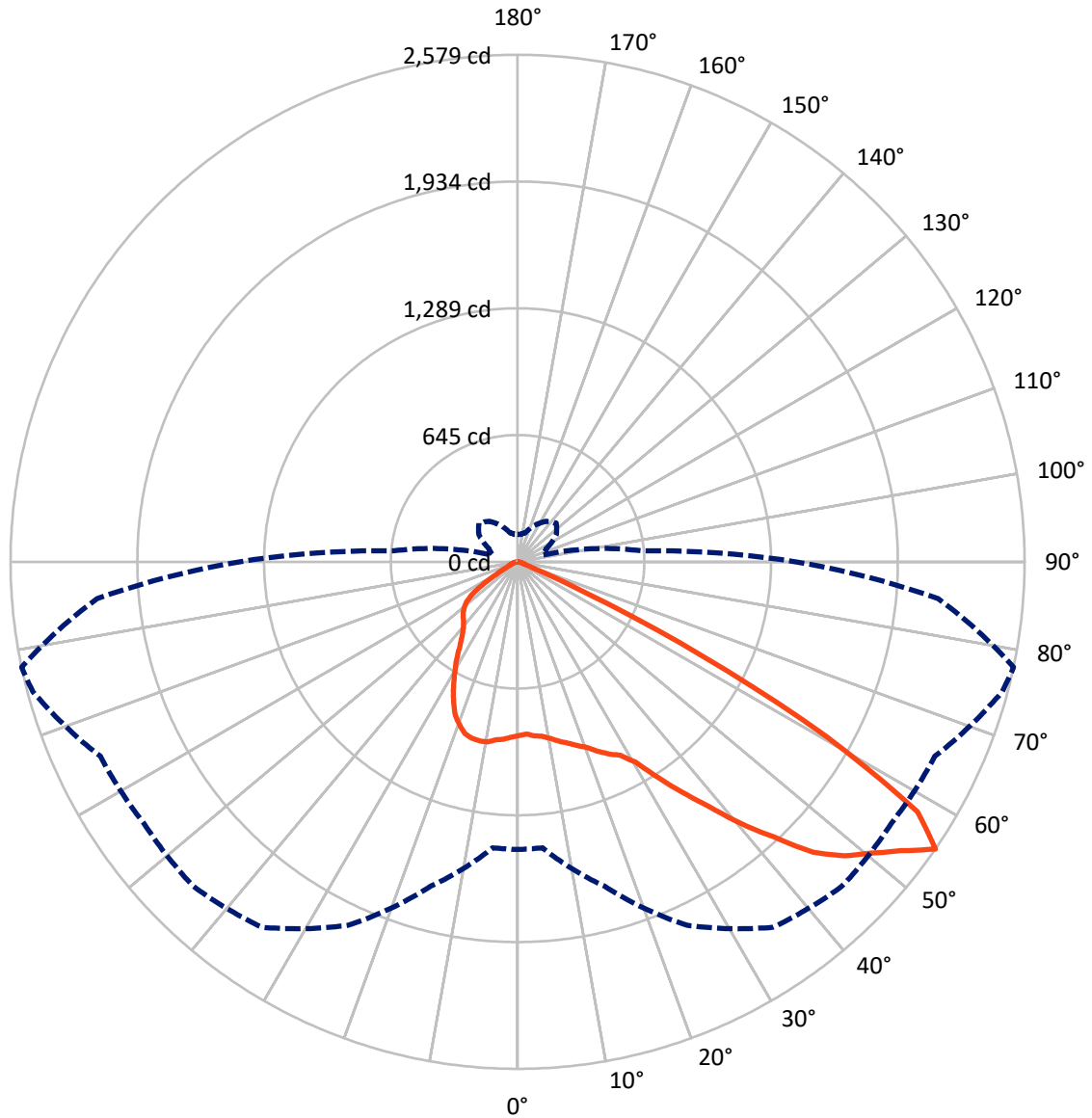
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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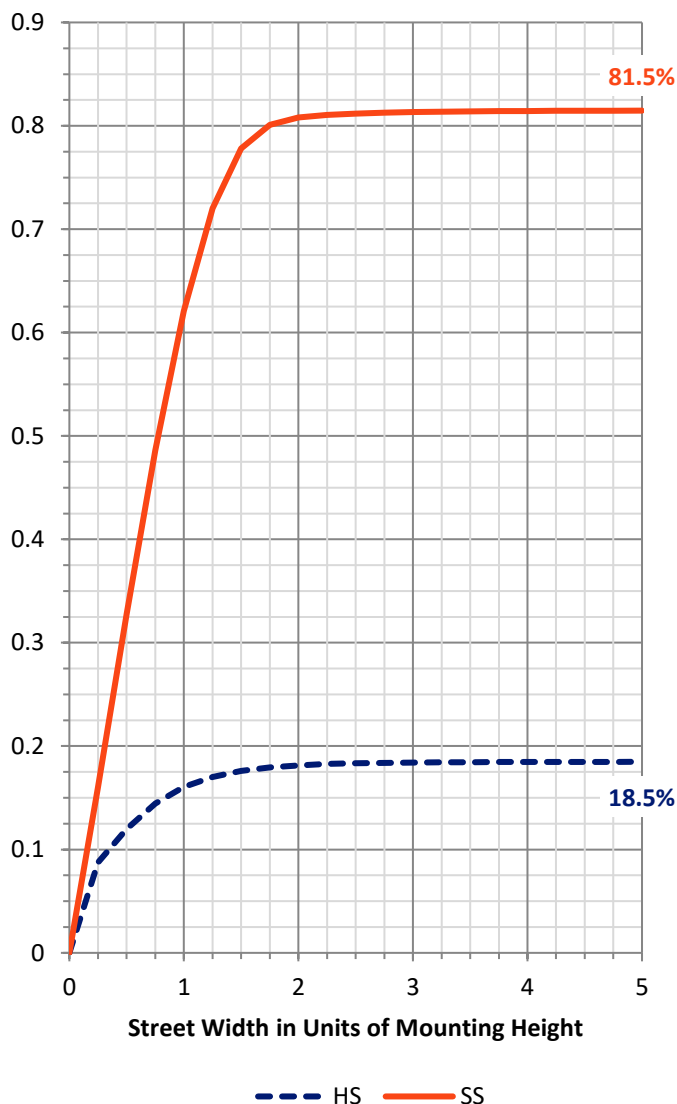
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	638.6	0.0	638.6
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	2799.4	0.0	2799.4
	% Fixture	81.4	0.0	81.4
Total	Lumens	3438.0	0.0	3438.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.8	2.3
10°-20°	208.6	6.1
20°-30°	365.6	10.6
30°-40°	602.9	17.5
40°-50°	877.2	25.5
50°-60°	994.0	28.9
60°-70°	284.2	8.3
70°-80°	22.1	0.6
80°-90°	4.6	0.1
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°	3438.0	100.0
0°-180°	3438.0	100.0

Coefficient of Utilization

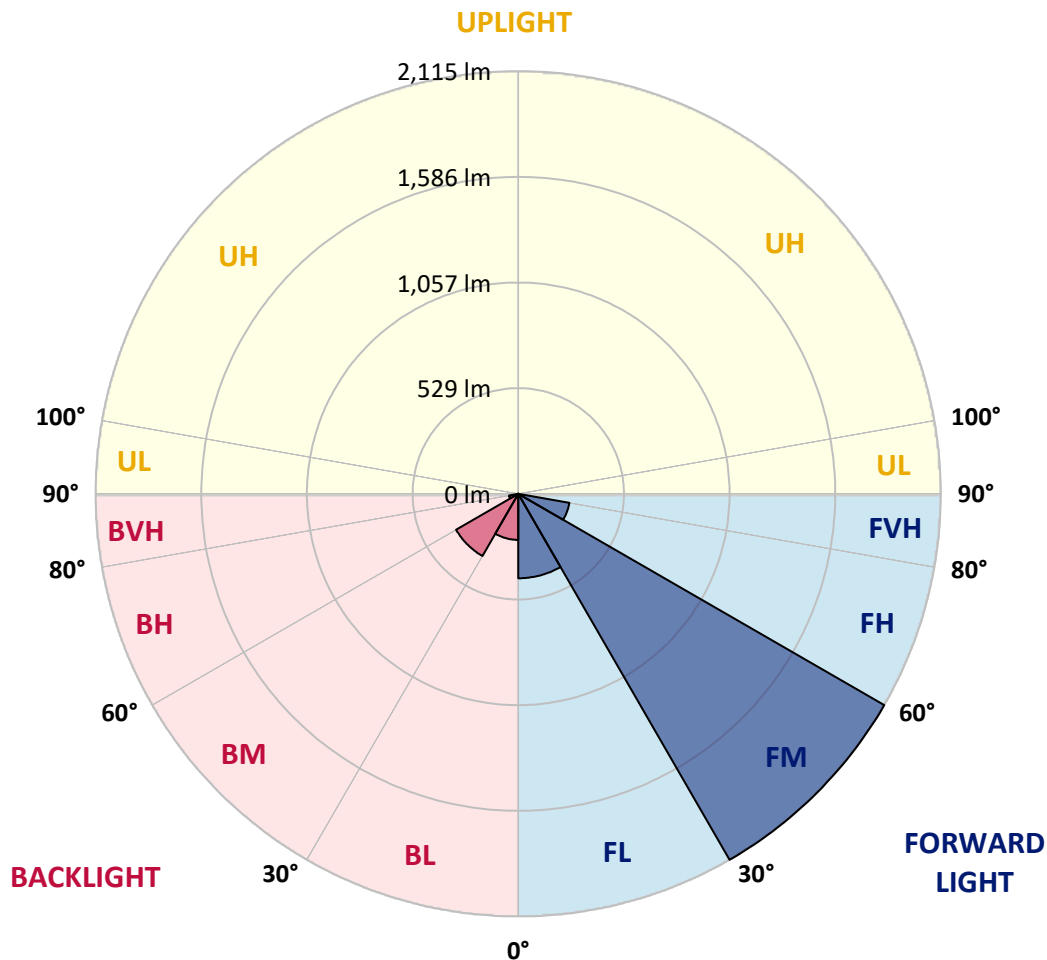


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	422.6	12.3			
FM (30°-60°)	2114.9	61.5			
FH (60°-80°)	259.7	7.6			G0/660
FVH (80°-90°)	2.2	0.1			G0/10
BL (0°-30°)	230.4	6.7	B1/500		
BM (30°-60°)	359.2	10.4	B1/1000		
BH (60°-80°)	46.6	1.4	B0/110		G0/110
BVH (80°-90°)	2.4	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	883.9	883.9	883.9	883.9	883.9	883.9	883.9	883.9	883.9	883.9	883.9
2.5°	831.0	839.0	840.3	850.1	849.5	866.1	871.0	871.6	882.7	877.2	891.3
5°	807.7	803.4	801.5	818.8	823.7	838.4	850.7	858.1	880.8	888.8	903.6
7.5°	786.8	786.8	788.0	803.4	801.5	820.6	833.5	856.3	889.4	896.2	914.0
10°	766.5	759.1	768.4	784.3	797.9	806.5	833.5	855.0	893.7	913.4	938.0
12.5°	756.1	759.7	761.0	772.7	787.4	813.2	828.0	863.6	924.5	936.2	962.6
15°	821.8	814.5	796.6	786.2	798.5	810.8	847.6	883.9	940.5	957.1	986.6
17.5°	898.0	891.9	877.2	848.9	821.2	844.0	872.8	906.0	957.7	982.3	1025.9
20°	997.6	987.8	973.0	917.7	893.7	869.2	899.9	939.2	985.9	1008.1	1052.9
22.5°	1116.3	1116.3	1083.1	1016.1	966.3	942.9	955.8	978.6	1017.3	1047.4	1091.7
25°	1239.8	1236.1	1206.0	1136.5	1052.3	1024.7	1039.4	1055.4	1065.9	1082.5	1112.0
27.5°	1381.2	1359.7	1321.6	1244.7	1170.4	1116.9	1132.9	1118.7	1105.8	1114.4	1156.8
30°	1477.1	1490.6	1442.0	1368.3	1298.2	1238.6	1241.7	1229.4	1170.4	1182.6	1207.8
32.5°	1576.7	1585.3	1558.2	1517.6	1447.6	1378.1	1352.9	1342.5	1298.2	1303.7	1279.2
35°	1659.6	1676.2	1652.3	1634.4	1614.2	1558.2	1488.8	1522.6	1451.3	1437.7	1373.8
37.5°	1735.9	1730.9	1759.2	1740.8	1736.5	1697.1	1620.9	1627.7	1579.7	1576.7	1502.9
40°	1804.1	1805.3	1844.0	1852.6	1835.4	1765.4	1654.7	1708.2	1746.9	1750.6	1656.0
42.5°	1860.6	1877.2	1910.4	1979.9	1954.1	1837.3	1689.8	1748.2	1892.0	1914.7	1801.0
45°	1909.8	1943.6	1984.8	2046.9	2032.1	1939.3	1777.0	1830.5	2046.9	2106.5	1937.5
47.5°	1912.9	1957.1	2002.0	2094.2	2112.7	1994.0	1867.4	1960.8	2169.8	2234.4	2037.1
50°	1900.6	1924.0	2013.7	2113.9	2155.7	2083.2	1994.0	2070.2	2289.1	2329.6	2087.5
52.5°	1754.9	1772.7	1952.8	2132.3	2233.1	2184.0	2161.8	2222.7	2410.8	2440.9	2134.8
55°	1462.9	1459.9	1707.6	2039.5	2268.8	2333.3	2319.8	2341.3	2551.5	2578.6	2146.5
57.5°	1000.7	1056.6	1270.5	1698.4	2050.6	2298.3	2312.4	2276.8	2387.4	2397.9	1871.1
60°	539.7	563.0	735.2	1133.5	1561.3	1872.9	1909.8	1845.3	1836.7	1807.2	1335.7
62.5°	214.5	226.2	323.9	561.2	850.7	1138.4	1217.7	1191.3	1134.7	1057.3	691.5
65°	102.0	109.4	161.0	262.5	377.4	474.5	553.8	578.4	426.6	384.2	228.0
67.5°	69.5	75.0	117.4	150.0	134.6	140.8	183.2	170.3	100.2	85.4	63.3
70°	52.9	56.6	94.0	102.0	60.2	42.4	47.3	44.3	41.2	41.8	41.2
72.5°	37.5	40.6	68.8	60.2	26.4	19.7	25.2	30.1	30.1	30.1	29.5
75°	22.7	25.8	40.0	23.4	10.4	10.4	16.0	20.3	21.5	22.1	20.9
77.5°	11.7	14.8	13.5	6.8	6.8	8.0	11.7	14.1	15.4	15.4	14.8
80°	2.5	2.5	2.5	3.7	6.8	8.6	11.7	12.9	14.8	14.8	13.5
82.5°	0.0	0.6	1.8	3.7	6.1	8.0	11.1	12.9	14.8	15.4	14.1
85°	0.0	0.6	1.2	2.5	4.3	4.9	4.3	3.7	3.7	3.7	3.7
87.5°	0.0	0.0	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2
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°	883.9	883.9	883.9	883.9	883.9	883.9	883.9	883.9	883.9	883.9	883.9
2.5°	892.5	894.4	891.3	890.7	888.2	895.6	877.8	873.5	884.5	874.1	876.5
5°	904.2	908.5	903.0	893.7	880.2	859.3	841.5	818.1	807.1	799.1	797.9
7.5°	912.8	915.9	910.3	880.8	840.3	787.4	748.1	719.2	696.4	689.7	678.6
10°	947.8	948.5	920.8	855.6	776.3	706.9	646.6	602.4	579.6	565.5	559.4
12.5°	971.2	970.0	914.0	805.8	700.1	607.9	539.1	485.6	464.7	457.9	453.6
15°	1000.7	993.9	898.0	754.8	601.8	502.2	440.1	403.2	401.4	397.1	401.4
17.5°	1024.1	1005.0	874.7	662.0	507.7	413.7	373.1	375.6	380.5	384.8	385.4
20°	1062.2	1022.8	821.2	580.9	420.4	354.7	354.1	365.1	377.4	382.3	387.2
22.5°	1091.1	1030.2	764.0	494.2	349.1	330.7	341.1	357.7	367.0	371.9	379.3
25°	1101.5	1009.9	687.8	407.5	314.7	319.6	335.6	346.7	358.4	363.9	360.8
27.5°	1112.0	999.5	596.9	335.6	296.3	312.3	325.8	336.8	340.5	347.9	352.8
30°	1137.2	963.2	515.1	290.1	287.1	307.3	317.2	320.9	330.7	335.0	335.0
32.5°	1157.4	949.1	428.4	268.6	285.8	309.8	311.0	311.0	312.3	309.2	308.0
35°	1199.2	900.5	351.0	255.7	285.2	310.4	313.5	303.0	274.8	263.7	260.6
37.5°	1250.9	869.2	293.8	252.6	289.5	317.8	322.7	283.4	246.5	228.7	225.6
40°	1313.6	847.0	256.3	251.4	299.3	335.0	320.2	268.0	220.1	194.2	193.0
42.5°	1386.7	826.7	231.1	250.8	311.6	352.8	317.8	255.1	193.0	175.8	178.3
45°	1445.1	815.7	213.9	246.5	315.9	363.3	319.6	232.3	181.9	170.9	172.1
47.5°	1490.6	792.3	199.8	239.1	315.3	367.0	303.0	223.1	176.4	179.5	182.6
50°	1491.8	761.0	181.9	223.1	306.1	360.2	284.0	214.5	175.2	188.1	194.2
52.5°	1475.2	716.7	162.9	200.4	284.6	336.8	266.8	210.8	169.7	168.4	175.8
55°	1416.2	633.7	130.9	162.3	240.3	277.8	251.4	204.1	153.1	138.9	140.1
57.5°	1144.5	454.2	96.5	116.2	170.3	203.5	226.8	201.0	137.7	118.0	118.6
60°	708.7	257.6	70.7	79.3	105.1	123.6	183.8	186.9	122.9	99.6	98.3
62.5°	363.9	127.2	54.7	55.9	64.5	72.5	126.0	156.7	111.3	94.7	94.7
65°	121.7	62.7	47.9	43.0	43.0	44.9	76.2	108.8	94.0	79.3	79.3
67.5°	52.2	46.7	41.8	37.5	34.4	32.6	43.0	63.3	70.1	60.2	57.8
70°	40.6	39.3	36.3	31.3	27.0	24.6	25.2	32.6	40.0	38.7	37.5
72.5°	30.1	30.1	28.9	24.6	20.9	17.8	16.6	17.2	19.1	19.7	20.3
75°	20.9	21.5	21.5	19.1	15.4	12.9	11.1	9.2	7.4	6.1	5.5
77.5°	14.1	14.8	16.0	14.1	11.7	8.6	6.8	4.9	3.1	1.2	1.2
80°	12.3	14.1	15.4	14.1	12.3	9.2	6.8	3.7	1.8	0.0	0.0
82.5°	12.9	14.1	16.0	13.5	11.7	8.6	6.8	4.3	1.8	0.6	0.0
85°	3.1	3.1	3.7	4.3	5.5	6.1	4.9	3.1	1.8	0.6	0.0
87.5°	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6	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)