

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: P321875

Luminaire Tested: **GAN-SA1B-730-U-T2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P321875
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1B-730-U-T2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3877 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

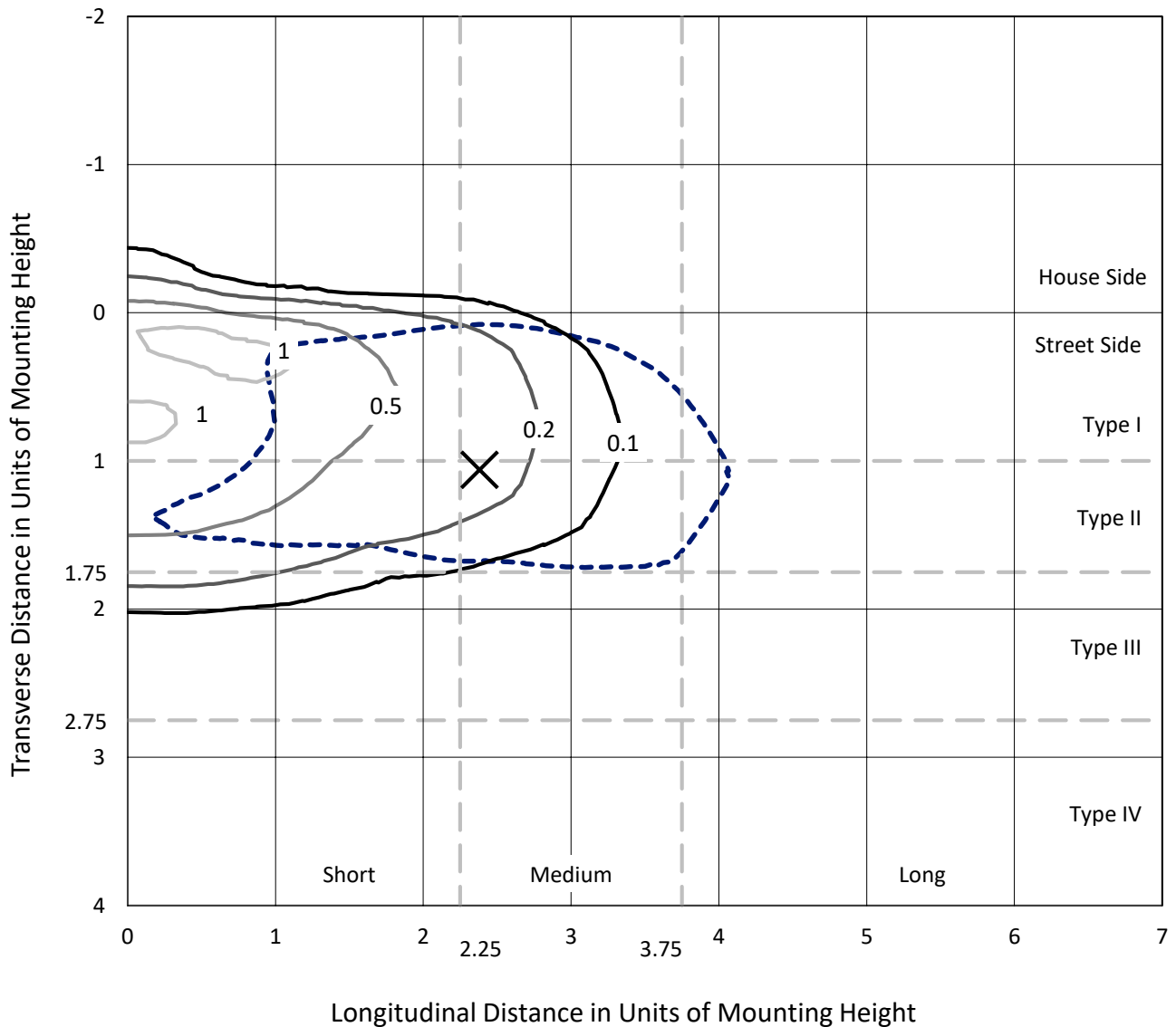
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

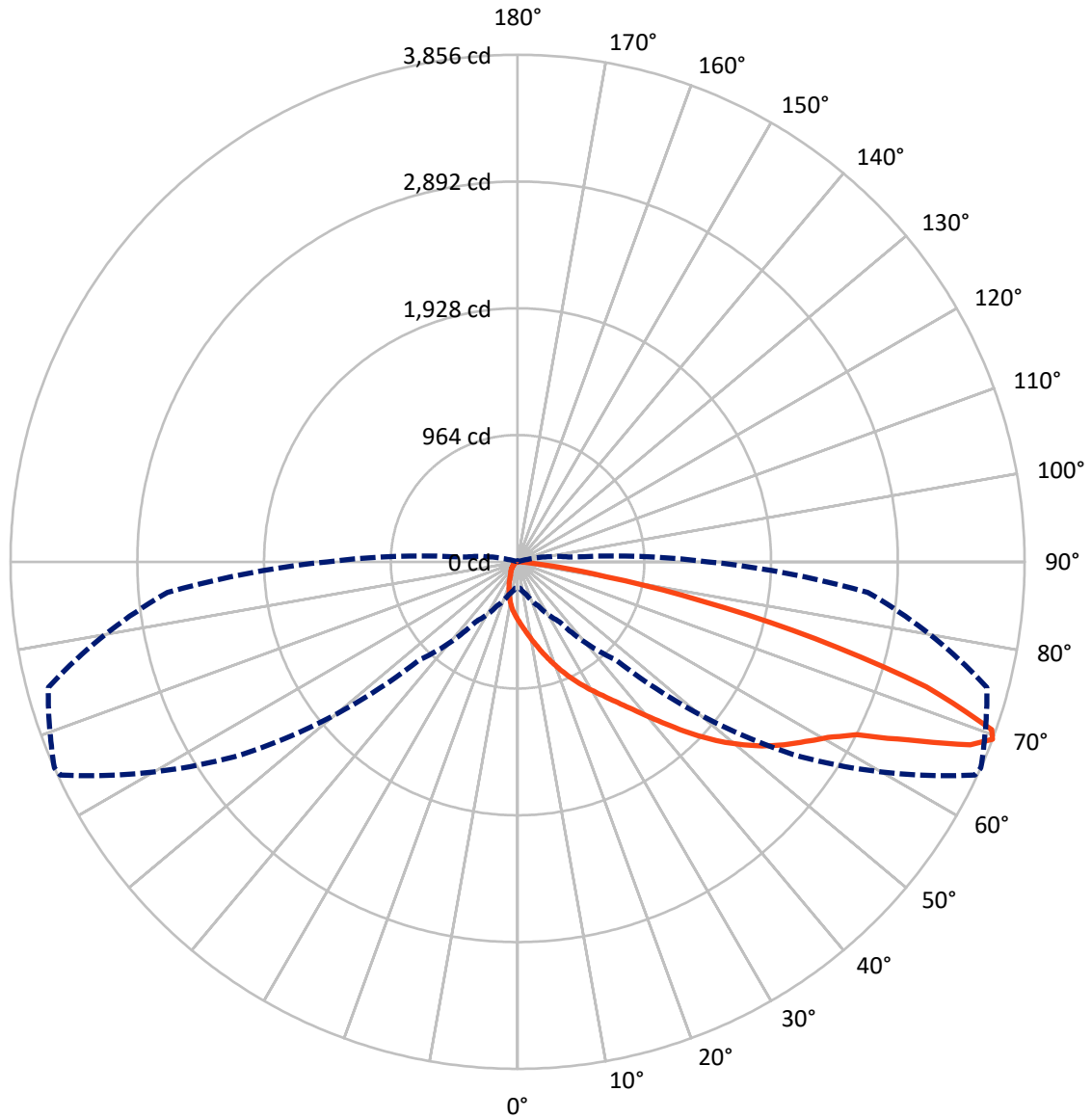
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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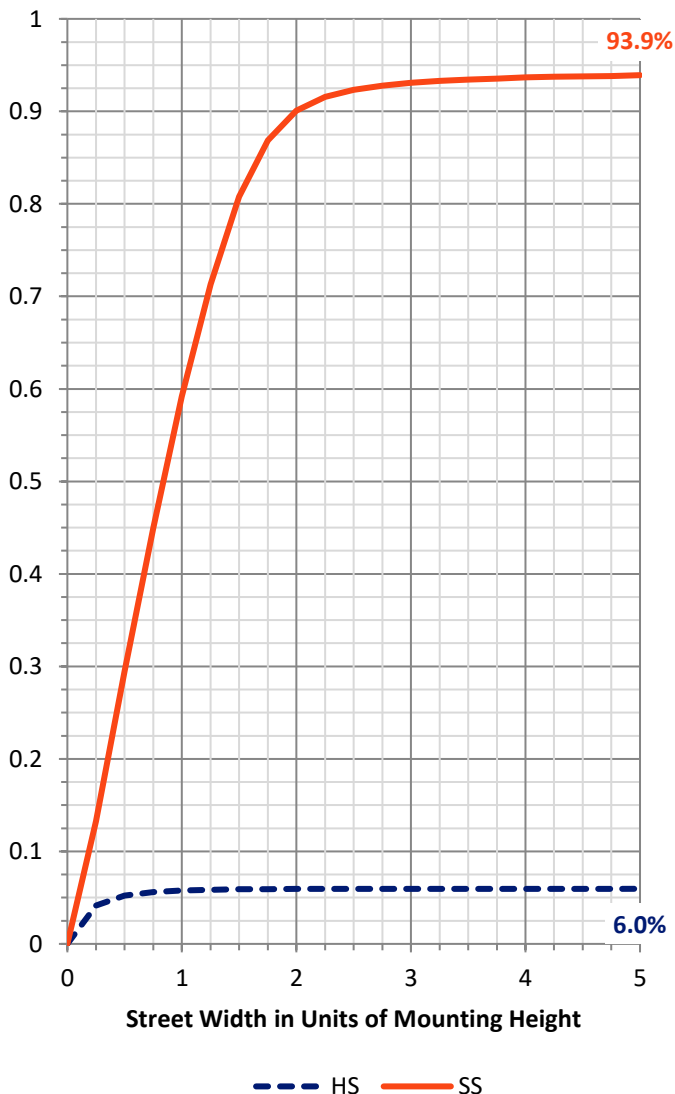
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	232.6	0.0	232.6
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	3644.4	0.0	3644.4
	% Fixture	94.0	0.0	94.0
Total	Lumens	3877.0	0.0	3877.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.6	1.1
10°-20°	126.9	3.3
20°-30°	221.0	5.7
30°-40°	387.8	10.0
40°-50°	649.1	16.7
50°-60°	954.2	24.6
60°-70°	979.7	25.3
70°-80°	483.6	12.5
80°-90°	32.0	0.8
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°	3877.0	100.0
0°-180°	3877.0	100.0

Coefficient of Utilization

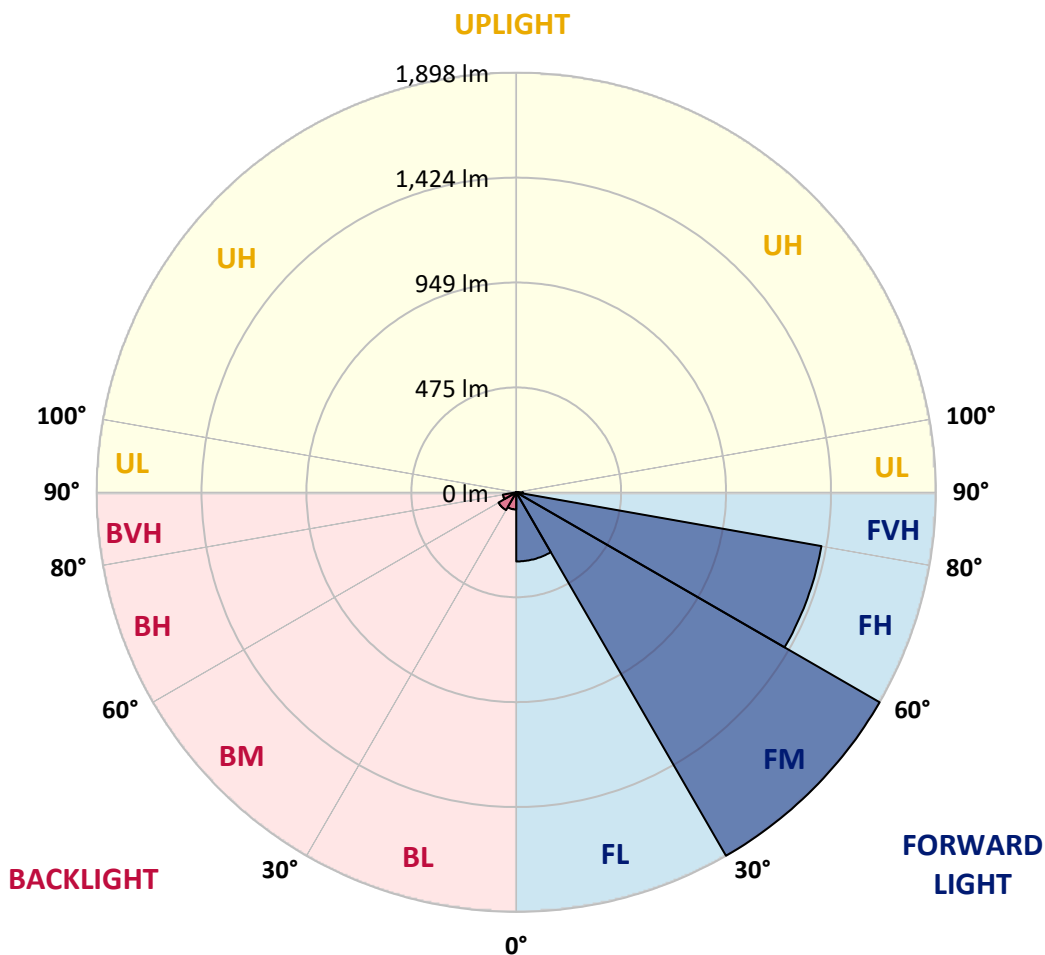


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	312.8	8.1			
FM (30°-60°)	1898.4	49.0			
FH (60°-80°)	1402.0	36.2			G1/1800
FVH (80°-90°)	31.2	0.8			G1/100
BL (0°-30°)	77.8	2.0	B0/110		
BM (30°-60°)	92.7	2.4	B0/220		
BH (60°-80°)	61.3	1.6	B0/110		G0/110
BVH (80°-90°)	0.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	441.2	441.2	441.2	441.2	441.2	441.2	441.2	441.2	441.2	441.2	441.2
2.5°	519.3	517.1	516.2	512.1	505.1	499.8	489.5	477.5	475.3	463.7	449.5
5°	586.7	584.8	583.6	577.9	570.7	557.2	538.4	516.2	511.9	489.8	461.5
7.5°	633.6	637.0	637.0	633.3	624.3	614.1	591.1	560.7	555.4	521.5	477.5
10°	661.1	665.1	668.3	671.4	670.1	666.1	644.3	610.1	603.6	558.7	496.1
12.5°	663.7	667.7	676.6	689.6	702.3	711.5	697.9	664.8	657.4	601.8	518.2
15°	649.3	653.5	667.2	692.6	723.3	750.2	754.6	725.4	717.8	653.2	545.8
17.5°	624.3	627.0	646.5	681.7	730.0	779.3	806.0	790.4	783.4	711.9	576.6
20°	605.7	607.7	624.8	662.6	725.9	797.5	854.6	859.4	852.0	774.9	609.9
22.5°	637.5	641.2	641.8	659.6	714.9	806.6	897.3	927.4	921.8	841.7	642.7
25°	724.6	728.9	714.9	703.8	724.2	810.6	934.0	997.0	992.5	913.7	675.6
27.5°	839.7	844.1	826.1	793.1	773.4	825.9	966.6	1067.7	1067.5	990.0	711.2
30°	952.8	957.2	938.8	905.8	860.5	869.2	994.8	1141.7	1142.8	1068.6	748.9
32.5°	1071.4	1076.9	1057.9	1015.6	968.2	943.9	1034.4	1216.1	1222.4	1159.8	791.5
35°	1206.2	1206.9	1180.2	1135.8	1081.3	1043.9	1097.9	1299.5	1314.4	1272.6	845.4
37.5°	1338.4	1343.7	1321.8	1251.8	1201.7	1159.4	1192.3	1403.7	1424.9	1410.6	915.9
40°	1436.3	1447.6	1444.4	1368.9	1321.4	1291.2	1309.7	1527.7	1554.6	1571.1	1004.9
42.5°	1497.8	1506.3	1520.7	1475.2	1432.1	1437.1	1448.1	1672.1	1705.2	1754.2	1107.1
45°	1568.4	1572.4	1584.4	1564.3	1535.2	1585.3	1595.1	1834.7	1869.5	1951.0	1220.5
47.5°	1654.6	1664.1	1667.4	1649.0	1635.8	1716.4	1736.7	1982.5	2031.3	2161.9	1340.6
50°	1764.3	1766.9	1772.6	1760.6	1747.4	1829.1	1863.7	2137.8	2182.1	2373.5	1459.0
52.5°	1871.7	1880.9	1900.8	1893.2	1887.9	1925.1	1977.0	2277.7	2327.2	2549.9	1577.2
55°	1902.6	1910.5	1979.2	2026.2	2069.6	2043.3	2085.3	2403.1	2456.7	2707.5	1691.0
57.5°	1779.0	1795.1	1914.0	2036.3	2216.6	2227.1	2234.1	2531.8	2579.9	2828.3	1809.4
60°	1466.7	1469.9	1665.1	1874.8	2192.3	2387.5	2451.4	2670.1	2710.5	2940.8	1951.2
62.5°	932.9	964.7	1178.9	1475.0	1935.2	2364.3	2714.1	2879.3	2894.0	3075.8	2154.5
65°	444.3	465.0	619.3	911.3	1401.7	2067.2	2895.5	3257.7	3264.4	3343.4	2426.1
67.5°	246.0	256.0	329.4	490.6	819.5	1461.9	2822.2	3705.9	3712.2	3616.6	2664.4
69°	192.4	200.9	258.7	369.8	555.6	1050.7	2553.9	3837.2	3855.8	3694.9	2672.9
70°	163.3	171.6	222.8	312.3	446.7	811.9	2273.3	3804.7	3824.4	3687.5	2609.7
72.5°	100.0	104.8	148.4	219.9	299.4	408.4	1401.9	3217.6	3250.9	3382.6	2242.9
75°	67.4	70.0	92.8	151.7	214.2	210.3	728.3	2267.9	2340.1	2631.3	1656.6
77.5°	48.2	50.6	62.2	98.2	150.1	138.8	329.8	1409.5	1424.9	1578.1	903.4
80°	27.4	29.6	44.0	58.4	101.8	92.6	131.1	673.2	681.0	676.7	301.6
82.5°	14.4	16.2	24.1	38.5	65.4	60.6	54.5	225.4	226.5	188.4	66.1
85°	2.8	3.3	12.0	26.3	33.7	26.3	22.3	52.9	54.0	47.7	16.4
87.5°	0.0	0.2	4.8	5.9	6.6	6.8	7.2	10.3	11.0	14.9	4.4
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°	441.2	441.2	441.2	441.2	441.2	441.2	441.2	441.2	441.2	441.2	441.2
2.5°	443.2	436.6	423.9	409.2	397.8	386.5	377.7	368.5	365.2	363.5	363.3
5°	447.7	433.7	406.8	379.2	356.5	335.1	319.9	305.3	298.5	295.4	294.1
7.5°	455.0	432.6	389.3	347.1	314.5	287.8	266.6	250.8	242.9	239.6	238.3
10°	463.7	431.1	368.8	313.2	271.6	244.0	223.0	207.3	198.7	195.0	193.2
12.5°	473.8	428.5	345.3	279.0	235.0	207.3	181.9	162.6	152.7	148.4	146.4
15°	486.3	425.9	320.6	246.8	202.7	169.0	141.2	128.2	126.1	125.4	125.6
17.5°	498.7	421.9	293.7	214.9	168.9	132.0	117.9	117.1	117.5	117.5	117.5
20°	509.7	412.7	264.4	187.6	136.6	111.4	108.5	107.2	106.3	105.5	104.6
22.5°	518.4	400.3	236.3	160.6	111.6	102.0	97.4	93.4	90.0	87.8	86.7
25°	524.3	383.9	210.5	134.6	100.4	92.8	84.5	77.7	72.6	69.4	68.1
27.5°	528.7	366.3	187.5	112.7	92.6	82.1	71.3	63.2	57.8	55.1	54.0
30°	531.8	346.2	167.2	99.1	84.0	70.9	59.3	51.4	47.5	46.0	45.3
32.5°	534.8	323.9	148.1	92.6	75.9	60.6	49.7	43.6	41.2	39.4	38.9
35°	542.1	303.3	129.8	85.8	67.6	51.7	42.7	38.3	35.9	34.8	34.4
37.5°	559.6	288.0	112.3	78.8	59.3	44.7	37.4	34.3	32.0	30.9	30.6
40°	587.8	280.3	97.6	71.3	51.2	39.4	33.9	30.9	28.5	26.9	26.5
42.5°	629.2	281.4	87.3	63.7	44.7	35.2	30.6	27.1	24.5	23.0	22.7
45°	679.5	289.5	80.1	56.3	39.4	31.9	26.9	23.2	20.8	19.5	19.2
47.5°	734.0	302.6	74.2	49.7	35.2	28.7	23.2	19.3	17.3	16.2	16.0
50°	791.5	315.3	68.1	43.3	31.5	25.6	19.5	16.0	14.4	13.4	13.1
52.5°	849.7	330.0	62.6	37.4	28.4	21.9	16.2	13.1	11.8	11.0	10.7
55°	912.3	341.0	57.3	32.8	25.2	18.6	13.4	10.9	9.8	8.8	8.7
57.5°	985.9	358.2	51.7	28.4	21.5	15.5	11.0	8.7	7.7	6.8	6.6
60°	1085.4	378.2	45.9	25.0	17.7	12.7	9.0	7.0	5.9	5.2	5.0
62.5°	1216.5	400.5	38.5	21.9	14.4	10.3	7.2	5.5	4.2	3.3	3.3
65°	1382.8	436.8	31.5	18.4	11.8	8.5	5.5	4.1	2.4	1.5	1.5
67.5°	1479.8	443.1	25.4	15.1	9.6	7.2	4.6	2.8	0.7	0.2	0.0
69°	1448.7	406.8	21.5	12.9	8.3	6.8	4.2	2.0	0.4	0.0	0.0
70°	1390.1	372.0	19.0	11.4	7.6	6.4	4.1	1.5	0.4	0.0	0.0
72.5°	1148.7	264.8	14.4	8.5	5.5	5.7	3.7	0.9	0.4	0.0	0.0
75°	836.8	160.9	10.3	5.9	3.5	4.2	2.6	0.4	0.2	0.0	0.0
77.5°	465.5	75.9	6.4	3.3	2.2	2.6	1.3	0.0	0.0	0.0	0.0
80°	151.2	20.6	2.9	1.8	1.3	1.5	0.6	0.0	0.0	0.0	0.0
82.5°	28.0	5.9	1.7	0.9	0.4	0.4	0.0	0.0	0.0	0.0	0.0
85°	6.1	2.4	0.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.0	0.7	0.2	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)