

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P386058

Luminaire Tested: GAW-SA1C-830-U-T2-HSS

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386058
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
Product Line: STREETWORKS
Catalog Number: GAW-SA1C-830-U-T2-HSS
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 3000K, 1050mA 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: 4270 lumens
Efficiency: N/A
Efficacy: 73.6 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

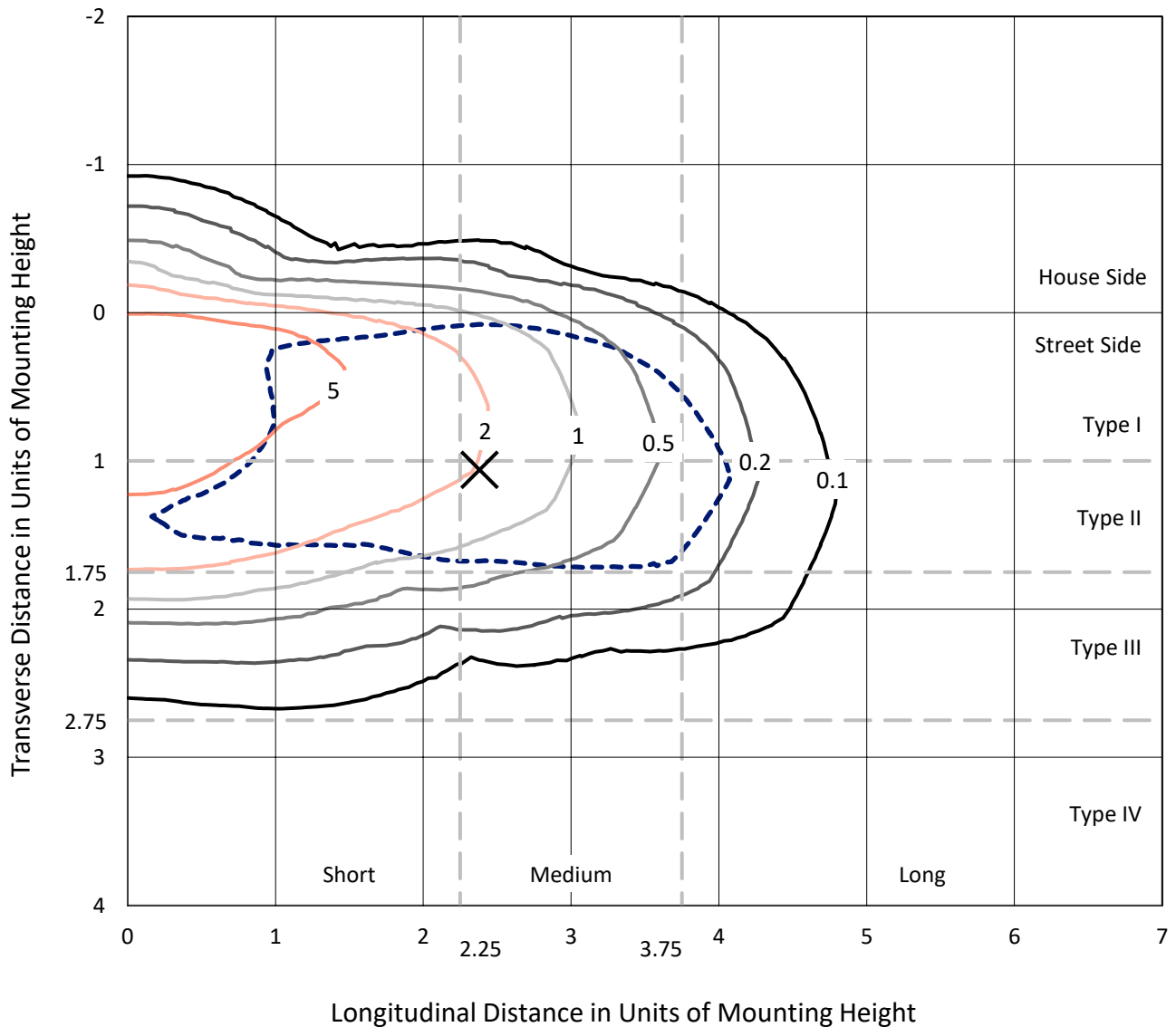
Input Watts (W): 58
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P386058
 CATALOG NUMBER: GAW-SA1C-830-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

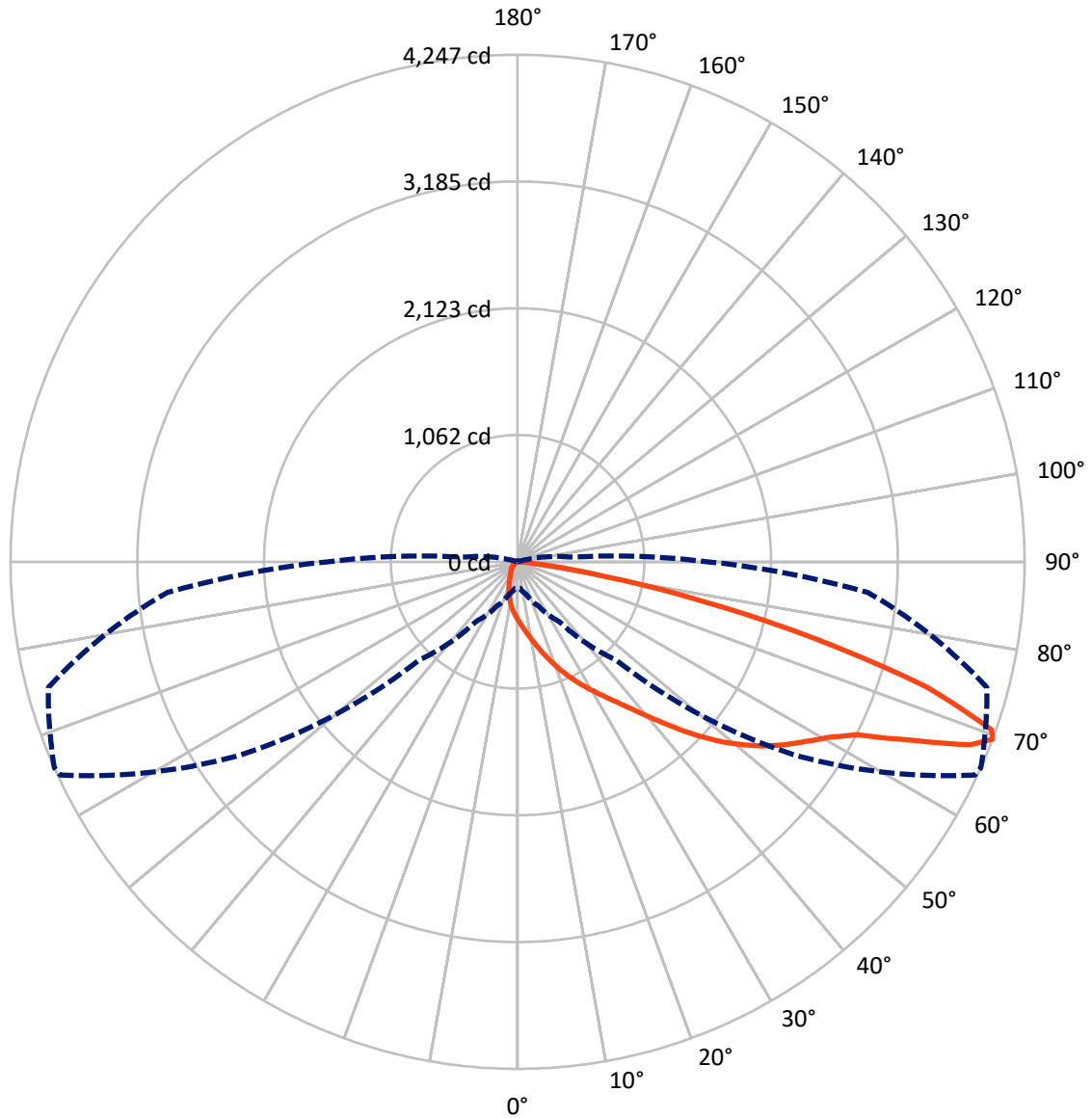
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8 fc
 Type II - Medium - N/A

REPORT NUMBER: P386058
CATALOG NUMBER: GAW-SA1C-830-U-T2-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P386058
 CATALOG NUMBER: GAW-SA1C-830-U-T2-HSS

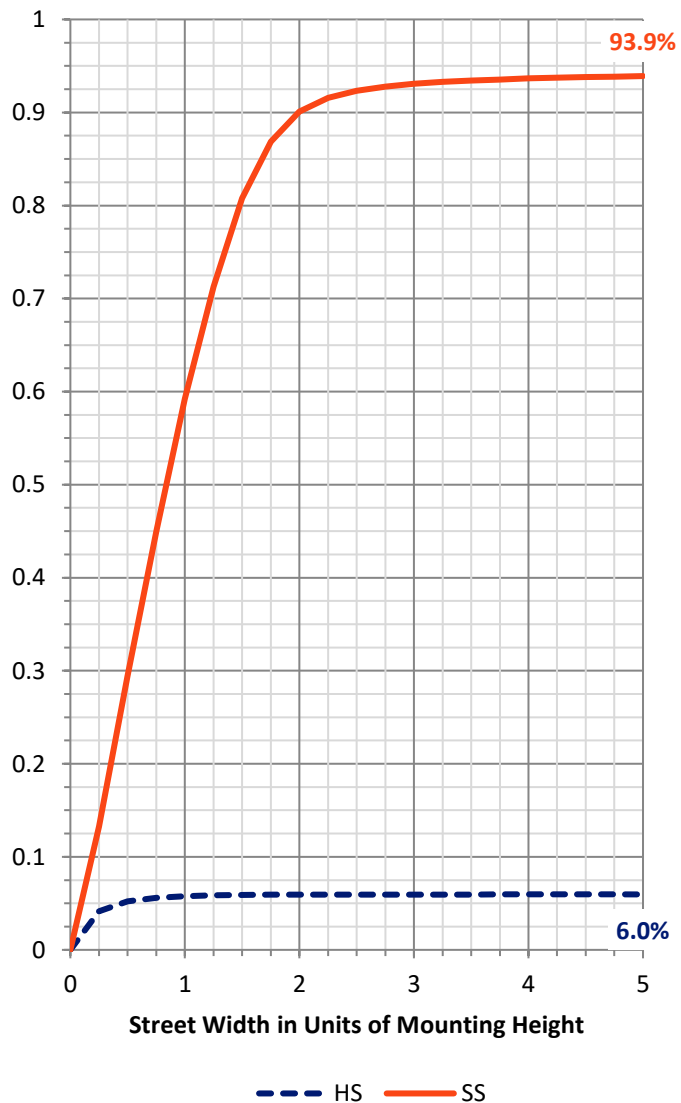
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	256.1	0.0	256.1
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	4013.9	0.0	4013.9
	% Fixture	94.0	0.0	94.0
Total	Lumens	4270.0	0.0	4270.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.0	1.1
10°-20°	139.8	3.3
20°-30°	243.4	5.7
30°-40°	427.1	10.0
40°-50°	714.9	16.7
50°-60°	1050.9	24.6
60°-70°	1079.0	25.3
70°-80°	532.7	12.5
80°-90°	35.2	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°	4270.0	100.0
0°-180°	4270.0	100.0

Coefficient of Utilization

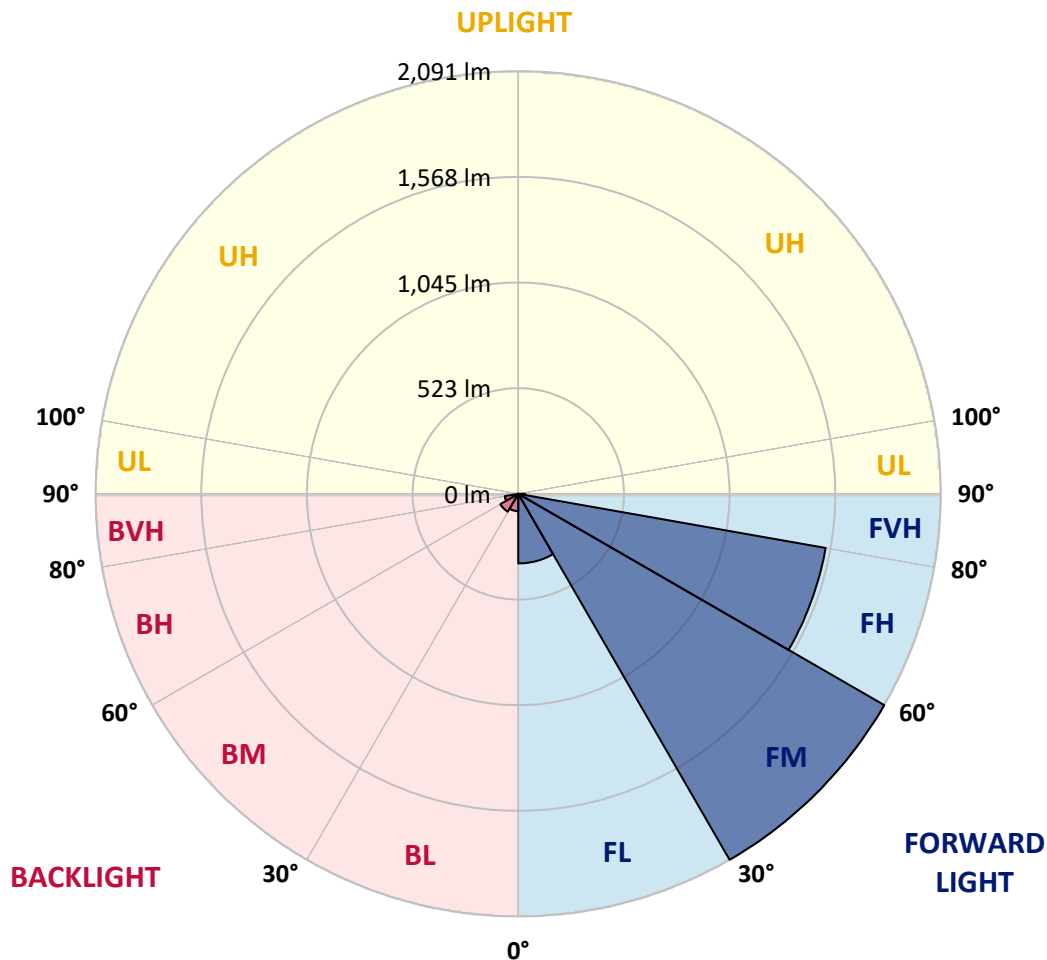


REPORT NUMBER: P386058
 CATALOG NUMBER: GAW-SA1C-830-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	344.5	8.1			
FM (30°-60°)	2090.8	49.0			
FH (60°-80°)	1544.1	36.2			G1/1800
FVH (80°-90°)	34.4	0.8			G1/100
BL (0°-30°)	85.7	2.0	B0/110		
BM (30°-60°)	102.1	2.4	B0/220		
BH (60°-80°)	67.5	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





REPORT NUMBER: P386058
 CATALOG NUMBER: GAW-SA1C-830-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	485.9	485.9	485.9	485.9	485.9	485.9	485.9	485.9	485.9	485.9	485.9
2.5°	571.9	569.5	568.5	564.0	556.3	550.4	539.1	525.9	523.5	510.7	495.1
5°	646.2	644.1	642.7	636.4	628.5	613.7	593.0	568.5	563.8	539.5	508.2
7.5°	697.9	701.5	701.5	697.5	687.5	676.4	651.0	617.6	611.7	574.4	525.9
10°	728.1	732.6	736.0	739.5	738.0	733.6	709.6	671.9	664.8	615.3	546.4
12.5°	730.9	735.4	745.1	759.5	773.5	783.7	768.7	732.2	724.0	662.8	570.7
15°	715.1	719.8	734.8	762.8	796.6	826.3	831.1	798.9	790.6	719.4	601.1
17.5°	687.5	690.6	712.1	750.8	804.0	858.3	887.7	870.5	862.8	784.1	635.0
20°	667.1	669.3	688.1	729.7	799.5	878.4	941.3	946.5	938.4	853.4	671.7
22.5°	702.1	706.2	706.8	726.5	787.3	888.3	988.3	1021.4	1015.3	927.1	707.8
25°	798.1	802.7	787.3	775.2	797.7	892.8	1028.7	1098.0	1093.2	1006.4	744.1
27.5°	924.8	929.7	909.8	873.5	851.8	909.6	1064.6	1175.9	1175.7	1090.3	783.3
30°	1049.4	1054.2	1033.9	997.6	947.7	957.3	1095.6	1257.4	1258.7	1176.9	824.8
32.5°	1180.0	1186.0	1165.2	1118.5	1066.4	1039.6	1139.2	1339.4	1346.3	1277.3	871.7
35°	1328.4	1329.2	1299.8	1250.9	1190.9	1149.7	1209.2	1431.3	1447.7	1401.6	931.1
37.5°	1474.0	1479.9	1455.8	1378.7	1323.6	1276.9	1313.2	1546.0	1569.4	1553.5	1008.8
40°	1581.9	1594.3	1590.9	1507.7	1455.4	1422.1	1442.4	1682.5	1712.1	1730.4	1106.7
42.5°	1649.7	1659.0	1674.8	1624.7	1577.3	1582.8	1594.9	1841.5	1878.0	1932.0	1219.3
45°	1727.4	1731.8	1745.0	1722.9	1690.9	1746.0	1756.8	2020.6	2059.0	2148.8	1344.2
47.5°	1822.3	1832.8	1836.5	1816.2	1801.6	1890.4	1912.7	2183.5	2237.2	2381.0	1476.5
50°	1943.2	1946.0	1952.3	1939.1	1924.5	2014.5	2052.7	2354.5	2403.3	2614.1	1606.9
52.5°	2061.4	2071.5	2093.4	2085.1	2079.2	2120.2	2177.4	2508.6	2563.1	2808.4	1737.1
55°	2095.5	2104.2	2179.8	2231.6	2279.4	2250.4	2296.7	2646.7	2705.7	2982.0	1862.4
57.5°	1959.4	1977.0	2108.0	2242.7	2441.3	2452.8	2460.5	2788.5	2841.4	3115.0	1992.8
60°	1615.4	1618.9	1833.8	2064.8	2414.5	2629.5	2699.8	2940.8	2985.2	3238.9	2149.0
62.5°	1027.5	1062.5	1298.4	1624.5	2131.4	2603.9	2989.3	3171.2	3187.4	3387.6	2372.9
65°	489.4	512.1	682.1	1003.7	1543.8	2276.8	3189.0	3588.0	3595.3	3682.3	2672.1
67.5°	271.0	281.9	362.8	540.3	902.5	1610.1	3108.3	4081.6	4088.5	3983.2	2934.5
69°	211.9	221.3	285.0	407.2	611.9	1157.3	2812.8	4226.2	4246.7	4069.4	2943.8
70°	179.9	189.0	245.4	344.0	492.0	894.2	2503.7	4190.3	4212.0	4061.3	2874.3
72.5°	110.1	115.4	163.5	242.2	329.8	449.8	1544.0	3543.7	3580.5	3725.5	2470.3
75°	74.2	77.1	102.2	167.1	235.9	231.6	802.1	2497.8	2577.3	2898.0	1824.5
77.5°	53.1	55.8	68.6	108.1	165.3	152.9	363.2	1552.3	1569.4	1738.1	995.0
80°	30.2	32.7	48.5	64.3	112.2	102.0	144.4	741.5	750.0	745.3	332.2
82.5°	15.8	17.8	26.6	42.4	72.0	66.7	60.0	248.2	249.5	207.5	72.8
85°	3.0	3.7	13.2	29.0	37.1	29.0	24.5	58.2	59.4	52.5	18.1
87.5°	0.0	0.2	5.3	6.5	7.3	7.5	7.9	11.4	12.2	16.4	4.9
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: P386058
 CATALOG NUMBER: GAW-SA1C-830-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	485.9	485.9	485.9	485.9	485.9	485.9	485.9	485.9	485.9	485.9	485.9
2.5°	488.2	480.9	466.9	450.7	438.1	425.7	416.0	405.8	402.2	400.4	400.1
5°	493.0	477.6	448.0	417.6	392.6	369.1	352.3	336.3	328.8	325.3	323.9
7.5°	501.2	476.4	428.7	382.3	346.4	317.0	293.7	276.2	267.5	263.9	262.4
10°	510.7	474.8	406.2	345.0	299.1	268.7	245.6	228.4	218.8	214.8	212.8
12.5°	521.8	471.9	380.3	307.3	258.8	228.4	200.4	179.1	168.1	163.5	161.2
15°	535.6	469.1	353.1	271.8	223.3	186.2	155.6	141.2	138.9	138.1	138.3
17.5°	549.2	464.6	323.5	236.7	186.0	145.4	129.8	129.0	129.4	129.4	129.4
20°	561.4	454.5	291.2	206.7	150.5	122.7	119.5	118.0	117.0	116.2	115.2
22.5°	570.9	440.9	260.2	176.9	122.9	112.4	107.3	102.8	99.2	96.7	95.5
25°	577.4	422.9	231.8	148.3	110.5	102.2	93.1	85.6	79.9	76.5	75.0
27.5°	582.3	403.4	206.5	124.1	102.0	90.5	78.5	69.6	63.7	60.6	59.4
30°	585.7	381.3	184.2	109.1	92.5	78.1	65.3	56.6	52.3	50.7	49.9
32.5°	589.0	356.7	163.1	102.0	83.6	66.7	54.8	48.1	45.4	43.4	42.8
35°	597.1	334.0	143.0	94.5	74.4	57.0	47.1	42.2	39.5	38.3	37.9
37.5°	616.3	317.2	123.7	86.8	65.3	49.3	41.2	37.7	35.3	34.1	33.7
40°	647.4	308.7	107.5	78.5	56.4	43.4	37.3	34.1	31.4	29.6	29.2
42.5°	693.0	309.9	96.1	70.2	49.3	38.7	33.7	29.8	27.0	25.4	24.9
45°	748.4	318.8	88.2	62.1	43.4	35.1	29.6	25.6	22.9	21.5	21.1
47.5°	808.4	333.2	81.7	54.8	38.7	31.6	25.6	21.3	19.1	17.8	17.6
50°	871.7	347.2	75.0	47.7	34.7	28.2	21.5	17.6	15.8	14.8	14.4
52.5°	935.8	363.4	69.0	41.2	31.2	24.1	17.8	14.4	13.0	12.2	11.8
55°	1004.7	375.6	63.1	36.1	27.8	20.5	14.8	12.0	10.7	9.7	9.5
57.5°	1085.9	394.5	57.0	31.2	23.7	17.0	12.2	9.5	8.5	7.5	7.3
60°	1195.4	416.6	50.5	27.6	19.5	14.0	9.9	7.7	6.5	5.7	5.5
62.5°	1339.8	441.1	42.4	24.1	15.8	11.4	7.9	6.1	4.7	3.7	3.7
65°	1522.9	481.1	34.7	20.3	13.0	9.3	6.1	4.5	2.6	1.6	1.6
67.5°	1629.8	488.0	28.0	16.6	10.5	7.9	5.1	3.0	0.8	0.2	0.0
69°	1595.5	448.0	23.7	14.2	9.1	7.5	4.7	2.2	0.4	0.0	0.0
70°	1531.0	409.7	20.9	12.6	8.3	7.1	4.5	1.6	0.4	0.0	0.0
72.5°	1265.1	291.6	15.8	9.3	6.1	6.3	4.1	1.0	0.4	0.0	0.0
75°	921.6	177.3	11.4	6.5	3.9	4.7	2.8	0.4	0.2	0.0	0.0
77.5°	512.7	83.6	7.1	3.7	2.4	2.8	1.4	0.0	0.0	0.0	0.0
80°	166.5	22.7	3.2	2.0	1.4	1.6	0.6	0.0	0.0	0.0	0.0
82.5°	30.8	6.5	1.8	1.0	0.4	0.4	0.0	0.0	0.0	0.0	0.0
85°	6.7	2.6	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.2	0.8	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)