

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: P385834

Luminaire Tested: GAW-SA1B-830-U-T2-HSS

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385834
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-SA1B-830-U-T2-HSS
Description: GALLEON WALL LUMINAIRE
(1) 80 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: 3450 lumens
Efficiency: N/A
Efficacy: 78.4 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

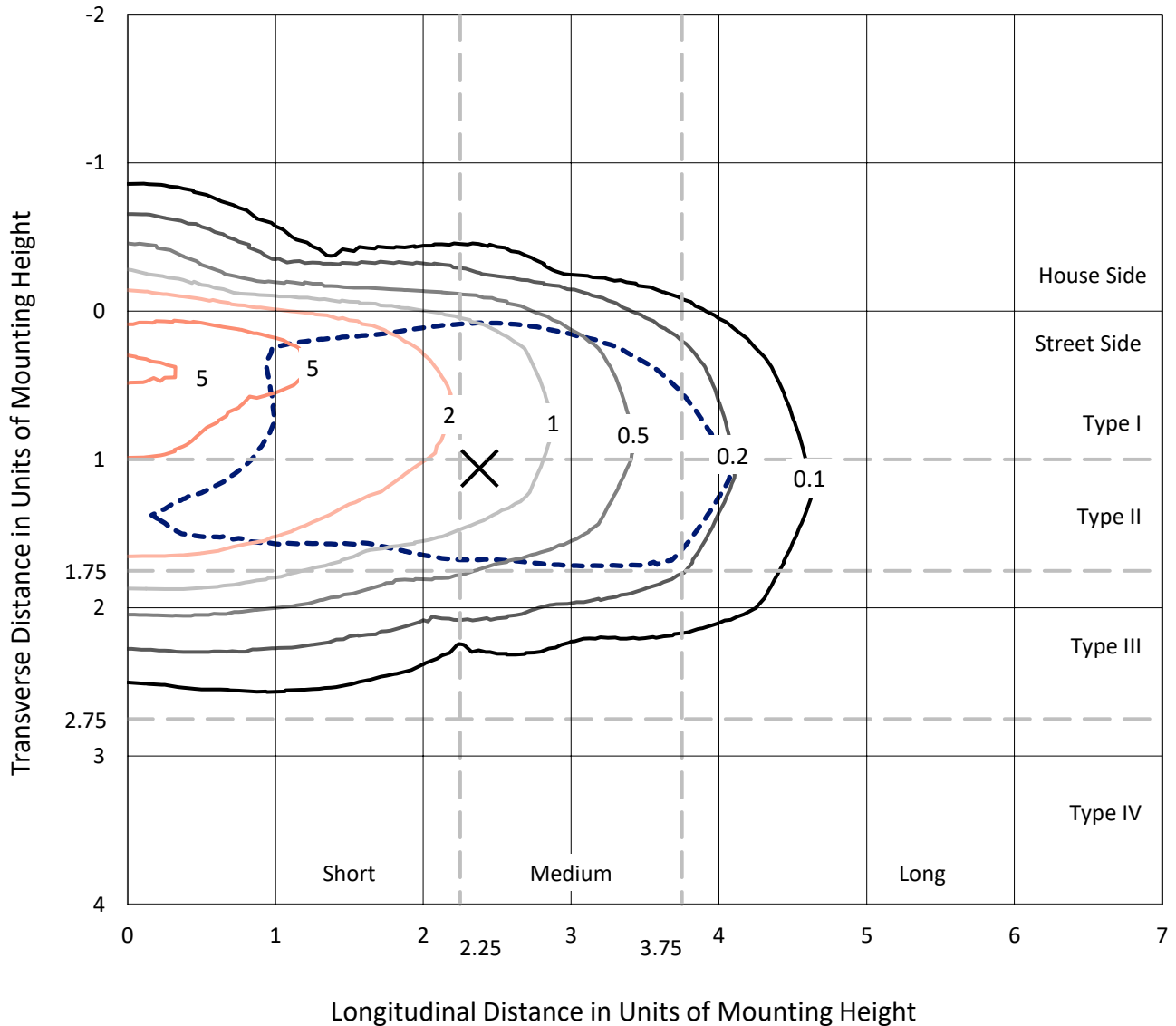
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P385834
 CATALOG NUMBER: GAW-SA1B-830-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

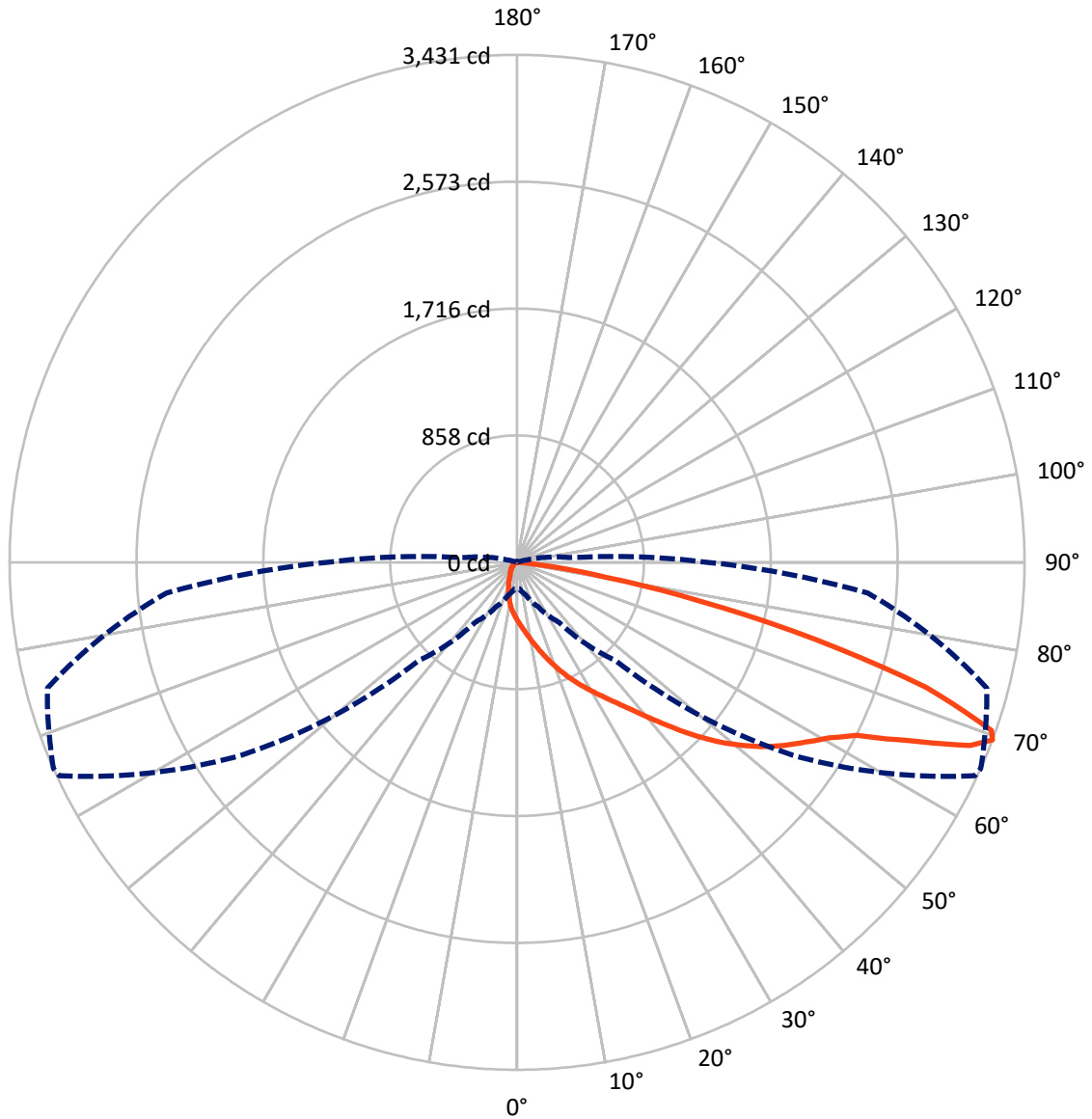
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.5 fc
 Type II - Medium - N/A

REPORT NUMBER: P385834
CATALOG NUMBER: GAW-SA1B-830-U-T2-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P385834
 CATALOG NUMBER: GAW-SA1B-830-U-T2-HSS

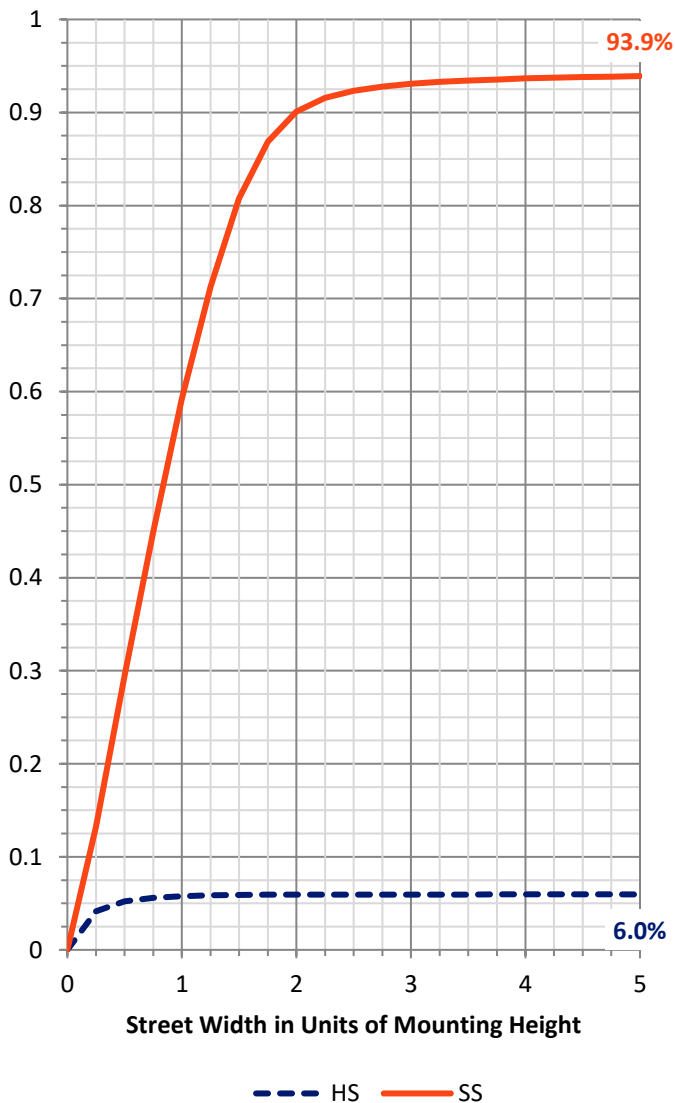
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	206.9	0.0	206.9
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	3243.0	0.0	3243.0
	% Fixture	94.0	0.0	94.0
Total	Lumens	3450.0	0.0	3450.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.0	1.1
10°-20°	113.0	3.3
20°-30°	196.7	5.7
30°-40°	345.1	10.0
40°-50°	577.6	16.7
50°-60°	849.1	24.6
60°-70°	871.8	25.3
70°-80°	430.4	12.5
80°-90°	28.5	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°	3450.0	100.0
0°-180°	3450.0	100.0

Coefficient of Utilization

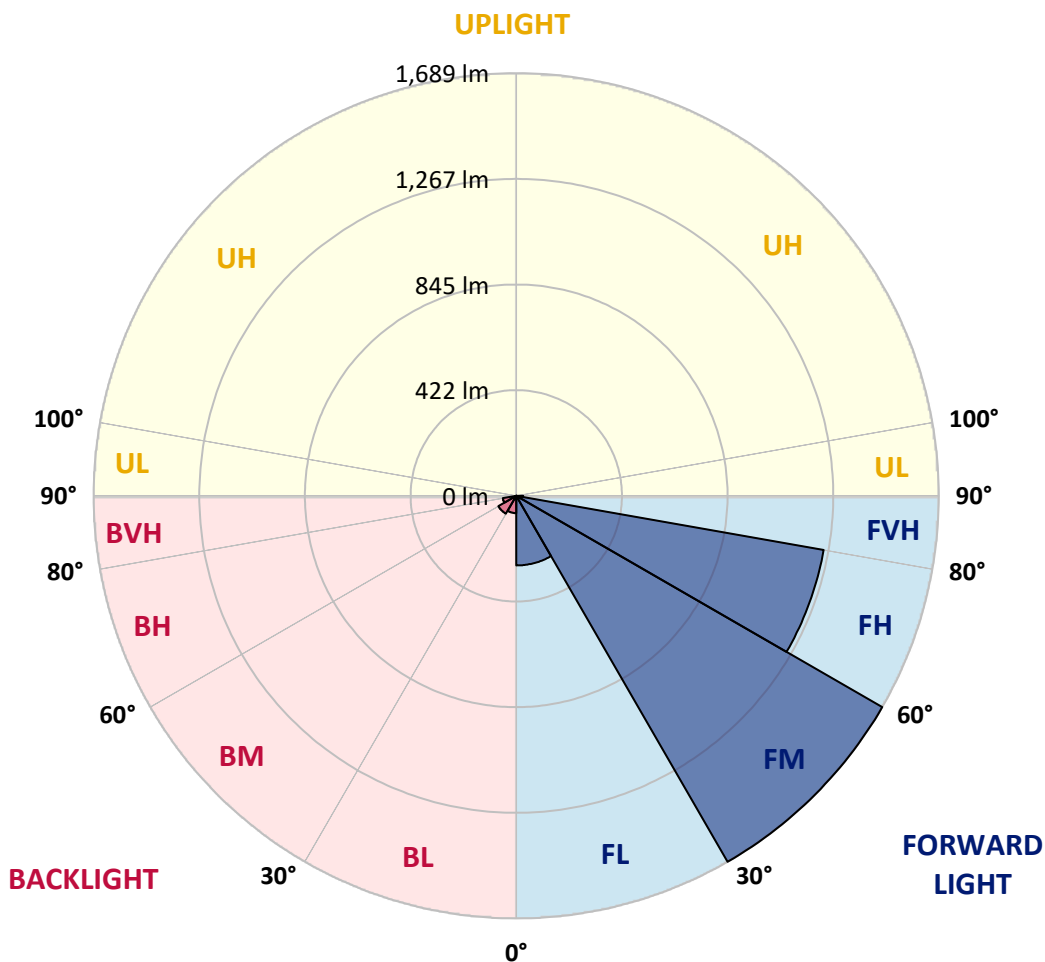


REPORT NUMBER: P385834
 CATALOG NUMBER: GAW-SA1B-830-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	278.4	8.1			
FM (30°-60°)	1689.3	49.0			
FH (60°-80°)	1247.6	36.2			G1/1800
FVH (80°-90°)	27.8	0.8			G1/100
BL (0°-30°)	69.2	2.0	B0/110		
BM (30°-60°)	82.5	2.4	B0/220		
BH (60°-80°)	54.5	1.6	B0/110		G0/110
BVH (80°-90°)	0.7	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: P385834
 CATALOG NUMBER: GAW-SA1B-830-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6
2.5°	462.1	460.1	459.3	455.7	449.5	444.7	435.6	424.9	422.9	412.6	400.0
5°	522.1	520.4	519.3	514.2	507.8	495.9	479.1	459.3	455.5	435.9	410.6
7.5°	563.9	566.8	566.8	563.5	555.5	546.5	526.0	499.0	494.2	464.1	424.9
10°	588.3	591.9	594.7	597.5	596.3	592.7	573.4	542.9	537.2	497.2	441.5
12.5°	590.6	594.2	602.0	613.7	625.0	633.2	621.0	591.6	585.0	535.5	461.1
15°	577.8	581.6	593.7	616.3	643.7	667.6	671.5	645.5	638.7	581.2	485.7
17.5°	555.5	558.0	575.3	606.6	649.6	693.5	717.2	703.3	697.1	633.5	513.1
20°	539.0	540.8	556.0	589.6	646.0	709.7	760.5	764.8	758.2	689.5	542.7
22.5°	567.3	570.6	571.1	587.0	636.1	717.7	798.5	825.2	820.3	749.0	571.9
25°	644.8	648.6	636.1	626.3	644.5	721.3	831.1	887.2	883.2	813.1	601.2
27.5°	747.2	751.2	735.1	705.8	688.2	734.9	860.1	950.1	949.9	880.9	632.8
30°	847.8	851.8	835.4	806.1	765.7	773.4	885.2	1016.0	1016.9	950.9	666.4
32.5°	953.4	958.3	941.4	903.7	861.6	840.0	920.4	1082.2	1087.7	1032.0	704.3
35°	1073.3	1074.0	1050.2	1010.7	962.2	929.0	977.0	1156.4	1169.7	1132.5	752.3
37.5°	1191.0	1195.7	1176.2	1114.0	1069.4	1031.7	1061.0	1249.1	1268.0	1255.2	815.1
40°	1278.1	1288.1	1285.4	1218.2	1175.9	1149.0	1165.4	1359.4	1383.4	1398.1	894.2
42.5°	1332.9	1340.4	1353.2	1312.7	1274.4	1278.8	1288.6	1487.9	1517.4	1561.0	985.2
45°	1395.6	1399.2	1409.9	1392.0	1366.1	1410.7	1419.4	1632.6	1663.6	1736.2	1086.1
47.5°	1472.3	1480.9	1483.8	1467.4	1455.6	1527.4	1545.4	1764.2	1807.6	1923.8	1192.9
50°	1570.0	1572.3	1577.4	1566.7	1554.9	1627.7	1658.5	1902.3	1941.8	2112.1	1298.3
52.5°	1665.5	1673.7	1691.4	1684.7	1679.9	1713.0	1759.3	2026.8	2070.9	2269.0	1403.5
55°	1693.1	1700.1	1761.2	1803.0	1841.7	1818.2	1855.6	2138.4	2186.1	2409.3	1504.8
57.5°	1583.1	1597.4	1703.2	1812.0	1972.4	1981.8	1988.0	2253.0	2295.8	2516.8	1610.1
60°	1305.2	1308.0	1481.7	1668.3	1950.8	2124.5	2181.4	2376.0	2411.9	2616.9	1736.3
62.5°	830.1	858.5	1049.1	1312.6	1722.1	2103.9	2415.2	2562.2	2575.3	2737.0	1917.2
65°	395.4	413.8	551.1	811.0	1247.3	1839.6	2576.6	2898.9	2904.8	2975.1	2158.9
67.5°	218.9	227.8	293.2	436.5	729.2	1300.9	2511.4	3297.8	3303.4	3218.3	2371.0
69°	171.2	178.8	230.2	329.0	494.4	935.0	2272.6	3414.6	3431.2	3288.0	2378.5
70°	145.3	152.7	198.3	277.9	397.5	722.5	2022.9	3385.6	3403.2	3281.4	2322.3
72.5°	89.0	93.2	132.1	195.7	266.4	363.5	1247.5	2863.2	2892.9	3010.0	1995.9
75°	60.0	62.3	82.6	135.0	190.6	187.1	648.1	2018.2	2082.4	2341.5	1474.1
77.5°	42.9	45.1	55.4	87.3	133.6	123.6	293.5	1254.2	1268.0	1404.3	803.9
80°	24.4	26.4	39.2	51.9	90.6	82.4	116.7	599.1	606.0	602.2	268.4
82.5°	12.8	14.4	21.5	34.2	58.2	53.9	48.5	200.6	201.6	167.6	58.8
85°	2.5	2.9	10.7	23.4	30.0	23.4	19.8	47.0	48.0	42.4	14.6
87.5°	0.0	0.2	4.3	5.2	5.9	6.1	6.4	9.2	9.8	13.3	3.9
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: P385834
 CATALOG NUMBER: GAW-SA1B-830-U-T2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6
2.5°	394.4	388.5	377.2	364.1	353.9	344.0	336.1	327.9	324.9	323.5	323.3
5°	398.4	385.9	362.0	337.4	317.2	298.2	284.6	271.7	265.6	262.8	261.7
7.5°	404.9	384.9	346.4	308.9	279.9	256.1	237.3	223.2	216.1	213.2	212.0
10°	412.6	383.6	328.2	278.7	241.7	217.1	198.4	184.5	176.8	173.5	171.9
12.5°	421.6	381.3	307.2	248.3	209.1	184.5	161.9	144.7	135.8	132.1	130.3
15°	432.8	379.0	285.3	219.6	180.4	150.4	125.7	114.1	112.2	111.6	111.8
17.5°	443.7	375.4	261.4	191.2	150.3	117.5	104.9	104.2	104.5	104.5	104.5
20°	453.6	367.2	235.3	167.0	121.6	99.1	96.5	95.4	94.6	93.9	93.1
22.5°	461.3	356.2	210.2	142.9	99.3	90.8	86.7	83.1	80.1	78.2	77.2
25°	466.5	341.7	187.3	119.8	89.3	82.6	75.2	69.2	64.6	61.8	60.6
27.5°	470.5	325.9	166.8	100.3	82.4	73.1	63.4	56.2	51.5	49.0	48.0
30°	473.2	308.1	148.8	88.2	74.7	63.1	52.8	45.7	42.3	41.0	40.3
32.5°	475.9	288.2	131.7	82.4	67.5	53.9	44.2	38.8	36.7	35.1	34.6
35°	482.4	269.9	115.5	76.4	60.1	46.0	38.0	34.1	32.0	31.0	30.6
37.5°	498.0	256.3	100.0	70.1	52.8	39.8	33.3	30.5	28.5	27.5	27.2
40°	523.1	249.4	86.8	63.4	45.6	35.1	30.2	27.5	25.4	23.9	23.6
42.5°	559.9	250.4	77.7	56.7	39.8	31.3	27.2	24.1	21.8	20.5	20.2
45°	604.7	257.6	71.3	50.1	35.1	28.3	23.9	20.6	18.5	17.4	17.0
47.5°	653.2	269.2	66.0	44.2	31.3	25.6	20.6	17.2	15.4	14.4	14.3
50°	704.3	280.5	60.6	38.5	28.0	22.8	17.4	14.3	12.8	12.0	11.6
52.5°	756.1	293.6	55.7	33.3	25.2	19.5	14.4	11.6	10.5	9.8	9.5
55°	811.8	303.5	51.0	29.2	22.4	16.6	12.0	9.7	8.7	7.9	7.7
57.5°	877.3	318.7	46.0	25.2	19.2	13.8	9.8	7.7	6.9	6.1	5.9
60°	965.8	336.6	40.8	22.3	15.7	11.3	8.0	6.2	5.2	4.6	4.4
62.5°	1082.5	356.4	34.2	19.5	12.8	9.2	6.4	4.9	3.8	2.9	2.9
65°	1230.5	388.7	28.0	16.4	10.5	7.5	4.9	3.6	2.1	1.3	1.3
67.5°	1316.8	394.3	22.6	13.4	8.5	6.4	4.1	2.5	0.7	0.2	0.0
69°	1289.1	362.0	19.2	11.5	7.4	6.1	3.8	1.8	0.3	0.0	0.0
70°	1237.0	331.0	16.9	10.2	6.7	5.7	3.6	1.3	0.3	0.0	0.0
72.5°	1022.2	235.6	12.8	7.5	4.9	5.1	3.3	0.8	0.3	0.0	0.0
75°	744.6	143.2	9.2	5.2	3.1	3.8	2.3	0.3	0.2	0.0	0.0
77.5°	414.3	67.5	5.7	2.9	2.0	2.3	1.1	0.0	0.0	0.0	0.0
80°	134.5	18.4	2.6	1.6	1.1	1.3	0.5	0.0	0.0	0.0	0.0
82.5°	24.9	5.2	1.5	0.8	0.3	0.3	0.0	0.0	0.0	0.0	0.0
85°	5.4	2.1	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.8	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)