

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: P322076

Luminaire Tested: **GAN-SA2B-830-U-T2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322076
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-SA2B-830-U-T2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6610 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 85
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

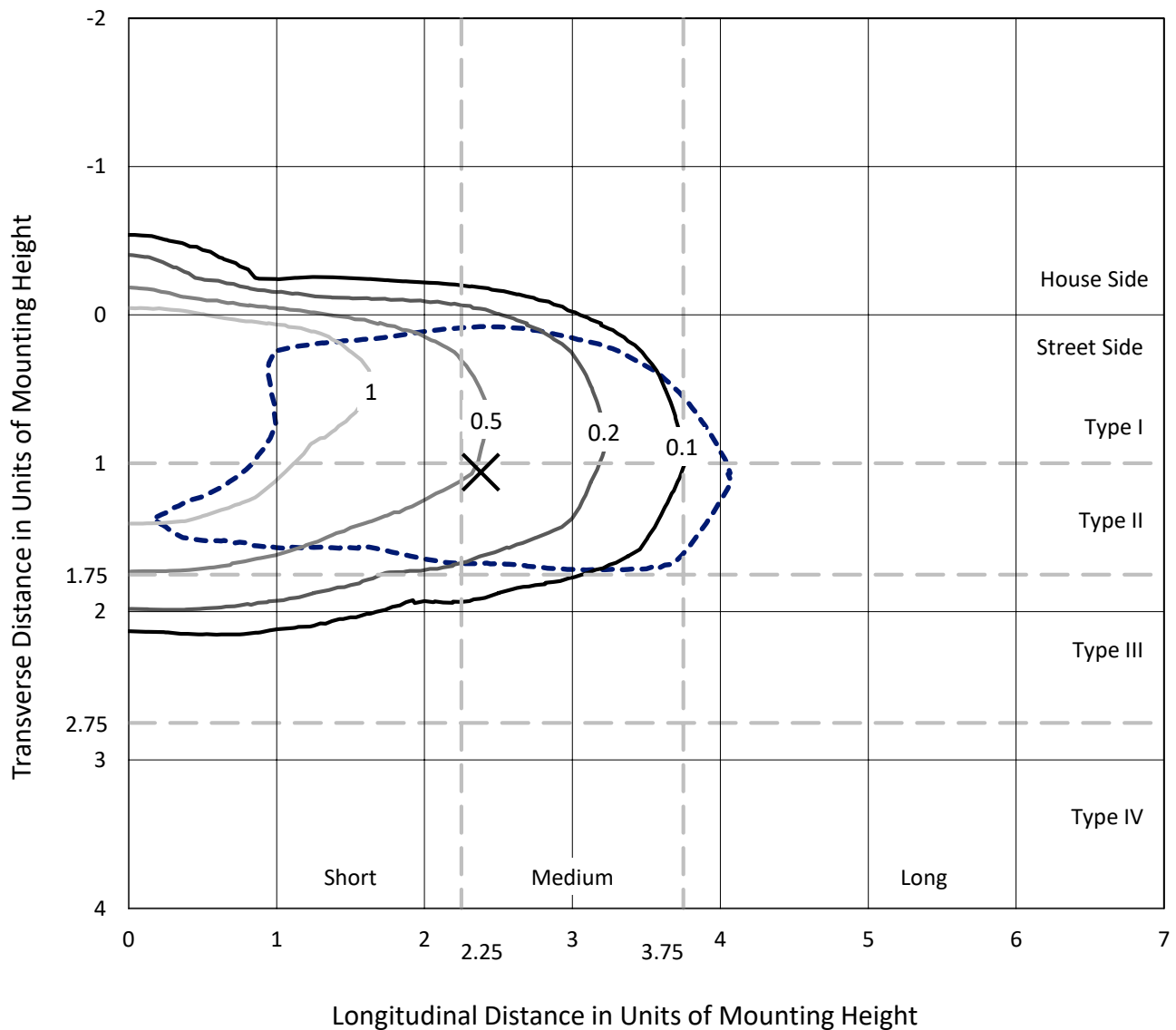


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Iso-Footcandle Lines of Horizontal Illumination

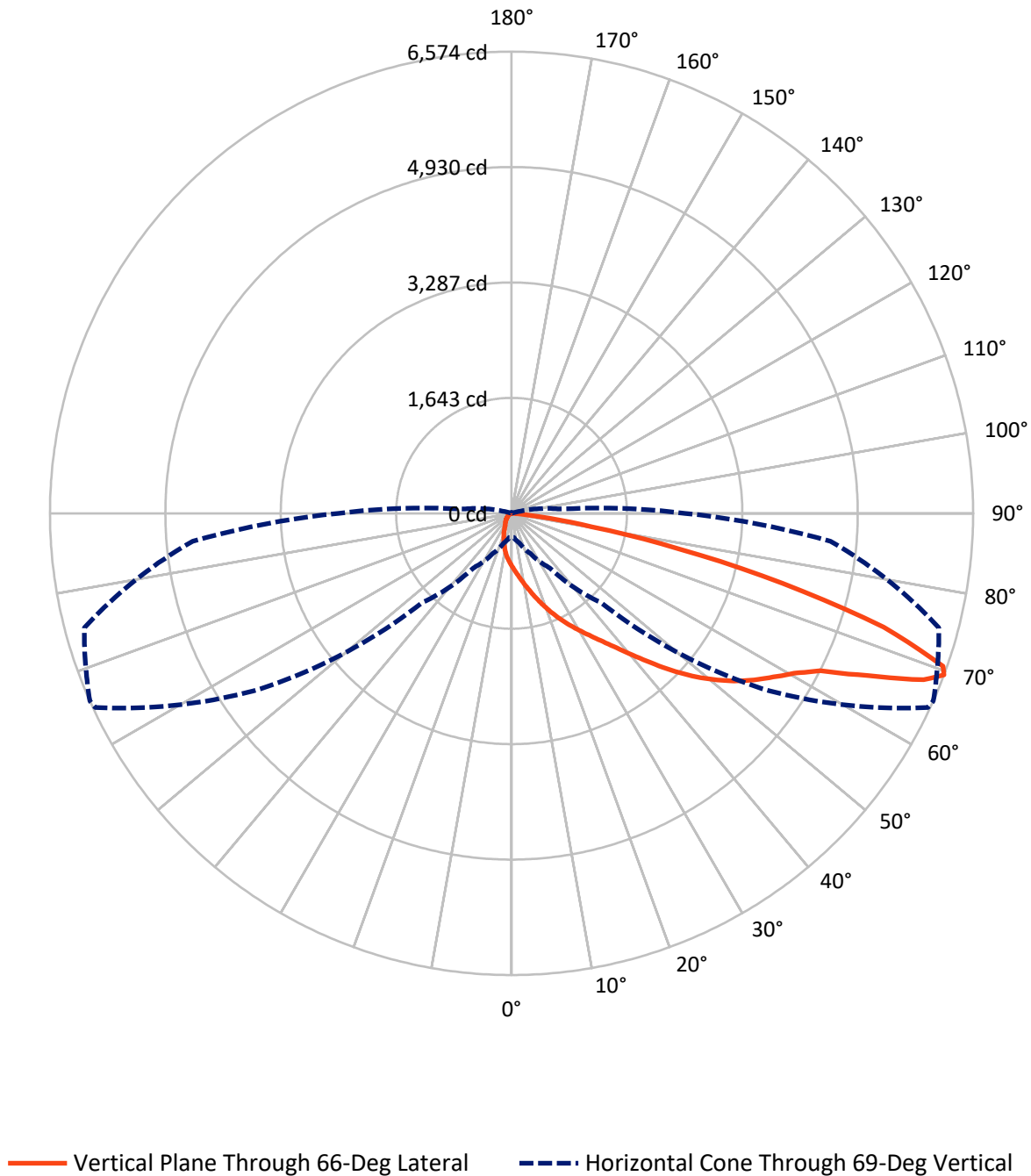
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	396.5	0.0	396.5
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	6213.5	0.0	6213.5
	% Fixture	94.0	0.0	94.0
Total	Lumens	6610.0	0.0	6610.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.7	1.1
10°-20°	216.4	3.3
20°-30°	376.8	5.7
30°-40°	661.2	10.0
40°-50°	1106.7	16.7
50°-60°	1626.8	24.6
60°-70°	1670.3	25.3
70°-80°	824.6	12.5
80°-90°	54.5	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°	6610.0	100.0
0°-180°	6610.0	100.0

Coefficient of Utilization



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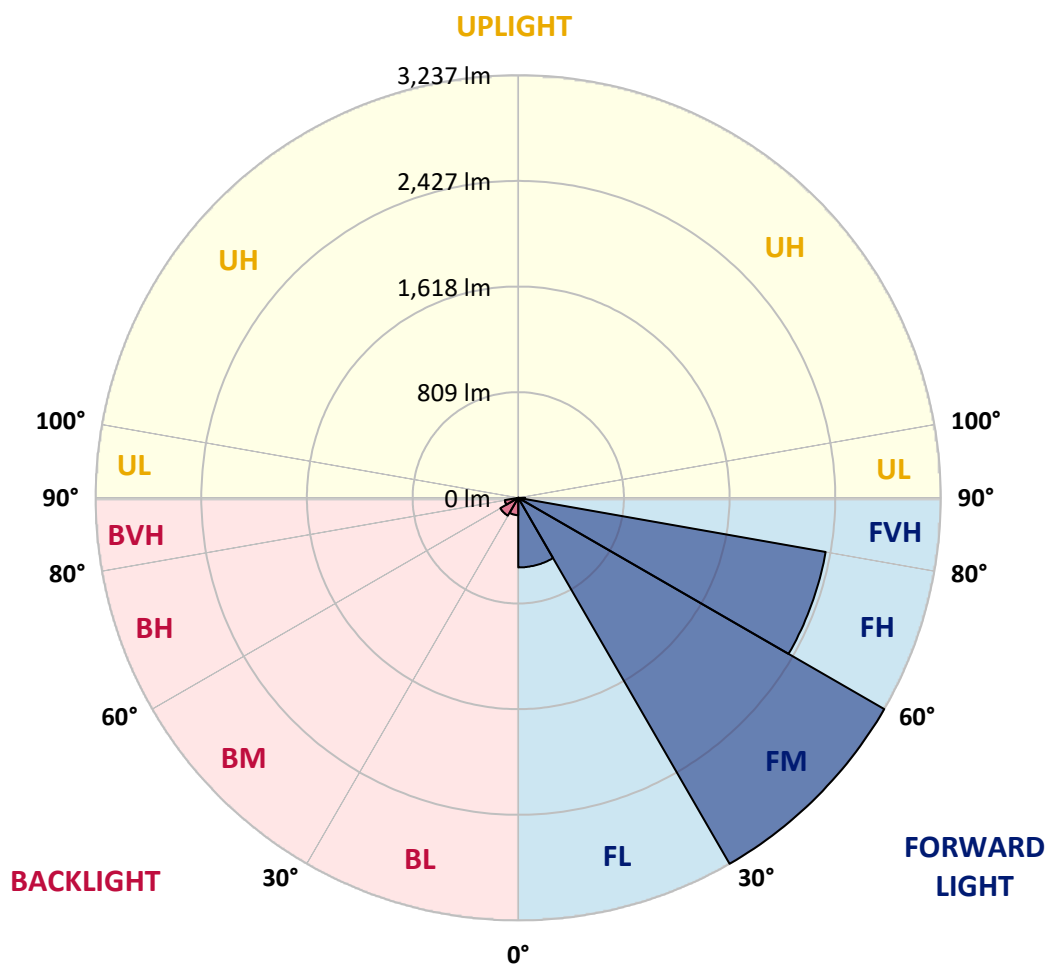
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	533.4	8.1			
FM	(30°-60°)	3236.6	49.0			
FH	(60°-80°)	2390.4	36.2			G2/5000
FVH	(80°-90°)	53.2	0.8			G1/100
BL	(0°-30°)	132.6	2.0	B1/500		
BM	(30°-60°)	158.1	2.4	B0/220		
BH	(60°-80°)	104.5	1.6	B0/110		G0/110
BVH	(80°-90°)	1.3	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 II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	752.2	752.2	752.2	752.2	752.2	752.2	752.2	752.2	752.2	752.2	752.2
2.5°	885.4	881.6	880.0	873.1	861.2	852.1	834.5	814.1	810.3	790.5	766.4
5°	1000.3	997.1	994.9	985.2	973.0	950.0	918.0	880.0	872.8	835.1	786.8
7.5°	1080.3	1086.0	1086.0	1079.7	1064.3	1047.0	1007.8	956.0	946.9	889.1	814.1
10°	1127.1	1134.0	1139.3	1144.7	1142.5	1135.6	1098.5	1040.1	1029.1	952.5	845.8
12.5°	1131.5	1138.4	1153.5	1175.8	1197.4	1213.1	1189.9	1133.4	1120.8	1026.0	883.5
15°	1107.0	1114.2	1137.5	1180.8	1233.2	1279.1	1286.6	1236.7	1223.8	1113.6	930.6
17.5°	1064.3	1069.0	1102.3	1162.3	1244.5	1328.7	1374.2	1347.5	1335.6	1213.8	983.0
20°	1032.6	1036.1	1065.3	1129.6	1237.6	1359.7	1457.1	1465.2	1452.7	1321.1	1039.8
22.5°	1086.9	1093.2	1094.1	1124.6	1218.8	1375.1	1529.9	1581.1	1571.7	1435.1	1095.7
25°	1235.4	1242.6	1218.8	1199.9	1234.8	1382.0	1592.4	1699.8	1692.2	1557.9	1151.9
27.5°	1431.6	1439.2	1408.4	1352.2	1318.6	1408.1	1648.0	1820.3	1820.0	1687.8	1212.5
30°	1624.4	1631.9	1600.5	1544.4	1467.1	1481.9	1696.0	1946.5	1948.4	1821.9	1276.9
32.5°	1826.6	1836.0	1803.7	1731.5	1650.8	1609.3	1763.5	2073.4	2084.0	1977.3	1349.4
35°	2056.4	2057.7	2012.1	1936.5	1843.6	1779.8	1871.8	2215.6	2241.0	2169.8	1441.4
37.5°	2281.8	2290.9	2253.6	2134.3	2048.9	1976.7	2032.9	2393.3	2429.4	2404.9	1561.6
40°	2448.9	2468.0	2462.7	2334.0	2253.0	2201.5	2232.9	2604.6	2650.4	2678.7	1713.3
42.5°	2553.7	2568.2	2592.7	2515.1	2441.6	2450.1	2469.0	2850.7	2907.2	2990.7	1887.5
45°	2674.0	2680.9	2701.3	2667.1	2617.5	2702.8	2719.5	3127.9	3187.3	3326.4	2080.9
47.5°	2820.9	2837.2	2842.9	2811.5	2788.9	2926.4	2960.9	3380.1	3463.3	3685.8	2285.6
50°	3008.0	3012.4	3022.1	3001.7	2979.1	3118.5	3177.6	3644.7	3720.4	4046.6	2487.5
52.5°	3191.1	3206.7	3240.7	3227.8	3218.7	3282.1	3370.6	3883.3	3967.8	4347.4	2689.0
55°	3243.8	3257.3	3374.4	3454.5	3528.6	3483.7	3555.2	4097.1	4188.5	4616.1	2883.1
57.5°	3033.1	3060.4	3263.3	3471.7	3779.1	3797.0	3808.9	4316.6	4398.5	4822.1	3084.9
60°	2500.7	2506.0	2838.8	3196.4	3737.6	4070.4	4179.4	4552.4	4621.1	5013.9	3326.7
62.5°	1590.5	1644.8	2009.9	2514.8	3299.4	4030.9	4627.4	4909.0	4934.1	5244.0	3673.3
65°	757.6	792.7	1055.8	1553.8	2389.8	3524.5	4936.6	5554.2	5565.5	5700.2	4136.4
67.5°	419.4	436.4	561.7	836.4	1397.1	2492.5	4811.7	6318.4	6329.0	6166.1	4542.6
69°	328.1	342.5	441.1	630.4	947.2	1791.4	4354.3	6542.2	6573.9	6299.5	4557.1
70°	278.5	292.6	379.9	532.5	761.7	1384.2	3875.8	6486.7	6520.2	6287.0	4449.4
72.5°	170.5	178.6	253.0	374.9	510.5	696.4	2390.1	5485.8	5542.6	5767.1	3824.0
75°	114.9	119.3	158.2	258.7	365.1	358.5	1241.7	3866.7	3989.8	4486.1	2824.4
77.5°	82.3	86.3	106.1	167.3	255.9	236.7	562.3	2403.0	2429.4	2690.6	1540.3
80°	46.8	50.5	75.0	99.5	173.6	157.9	223.5	1147.8	1161.0	1153.8	514.3
82.5°	24.5	27.6	41.1	65.6	111.5	103.3	92.9	384.3	386.2	321.2	112.7
85°	4.7	5.7	20.4	44.9	57.5	44.9	38.0	90.1	92.0	81.3	27.9
87.5°	0.0	0.3	8.2	10.0	11.3	11.6	12.2	17.6	18.8	25.4	7.5
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°	752.2	752.2	752.2	752.2	752.2	752.2	752.2	752.2	752.2	752.2	752.2
2.5°	755.7	744.4	722.7	697.6	678.1	659.0	643.9	628.2	622.6	619.7	619.4
5°	763.2	739.4	693.5	646.4	607.8	571.4	545.3	520.5	508.9	503.6	501.4
7.5°	775.8	737.5	663.7	591.8	536.2	490.7	454.6	427.6	414.1	408.5	406.3
10°	790.5	735.0	628.9	534.0	463.1	416.0	380.2	353.5	338.8	332.5	329.3
12.5°	807.8	730.6	588.7	475.6	400.6	353.5	310.2	277.2	260.3	253.0	249.6
15°	829.2	726.2	546.6	420.7	345.7	288.2	240.8	218.5	215.1	213.8	214.1
17.5°	850.2	719.3	500.8	366.4	287.9	225.1	200.9	199.7	200.3	200.3	200.3
20°	869.0	703.6	450.8	319.9	233.0	189.9	184.9	182.7	181.2	179.9	178.3
22.5°	883.8	682.5	402.8	273.8	190.3	173.9	166.1	159.2	153.5	149.8	147.9
25°	893.8	654.6	358.9	229.5	171.1	158.2	144.1	132.5	123.7	118.4	116.2
27.5°	901.4	624.5	319.6	192.1	157.9	140.0	121.5	107.7	98.6	93.9	92.0
30°	906.7	590.2	285.1	168.9	143.2	120.9	101.1	87.6	81.0	78.5	77.2
32.5°	911.7	552.2	252.4	157.9	129.3	103.3	84.8	74.4	70.3	67.2	66.2
35°	924.3	517.1	221.3	146.3	115.2	88.2	72.8	65.3	61.2	59.3	58.7
37.5°	954.1	491.0	191.5	134.4	101.1	76.3	63.7	58.4	54.6	52.7	52.1
40°	1002.1	477.8	166.4	121.5	87.3	67.2	57.8	52.7	48.7	45.8	45.2
42.5°	1072.8	479.7	148.8	108.6	76.3	60.0	52.1	46.2	41.8	39.2	38.6
45°	1158.5	493.5	136.6	96.1	67.2	54.3	45.8	39.6	35.5	33.3	32.7
47.5°	1251.4	515.8	126.5	84.8	60.0	49.0	39.6	33.0	29.5	27.6	27.3
50°	1349.4	537.5	116.2	73.8	53.7	43.6	33.3	27.3	24.5	22.9	22.3
52.5°	1448.6	562.6	106.7	63.7	48.3	37.4	27.6	22.3	20.1	18.8	18.2
55°	1555.3	581.4	97.6	55.9	43.0	31.7	22.9	18.5	16.6	15.1	14.8
57.5°	1680.9	610.6	88.2	48.3	36.7	26.4	18.8	14.8	13.2	11.6	11.3
60°	1850.5	644.9	78.2	42.7	30.1	21.7	15.4	11.9	10.0	8.8	8.5
62.5°	2074.0	682.9	65.6	37.4	24.5	17.6	12.2	9.4	7.2	5.7	5.7
65°	2357.5	744.7	53.7	31.4	20.1	14.4	9.4	6.9	4.1	2.5	2.5
67.5°	2523.0	755.4	43.3	25.7	16.3	12.2	7.8	4.7	1.3	0.3	0.0
69°	2469.9	693.5	36.7	22.0	14.1	11.6	7.2	3.5	0.6	0.0	0.0
70°	2370.1	634.2	32.3	19.5	12.9	11.0	6.9	2.5	0.6	0.0	0.0
72.5°	1958.5	451.5	24.5	14.4	9.4	9.7	6.3	1.6	0.6	0.0	0.0
75°	1426.6	274.4	17.6	10.0	6.0	7.2	4.4	0.6	0.3	0.0	0.0
77.5°	793.7	129.3	11.0	5.7	3.8	4.4	2.2	0.0	0.0	0.0	0.0
80°	257.8	35.2	5.0	3.1	2.2	2.5	0.9	0.0	0.0	0.0	0.0
82.5°	47.7	10.0	2.8	1.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0
85°	10.4	4.1	1.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.5	1.3	0.3	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)