

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: P653731

Luminaire Tested: **GLAN-SA2A-840-U-T3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P653731
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2A-840-U-T3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4618.8 lumens
Efficiency: N/A
Efficacy: 73.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

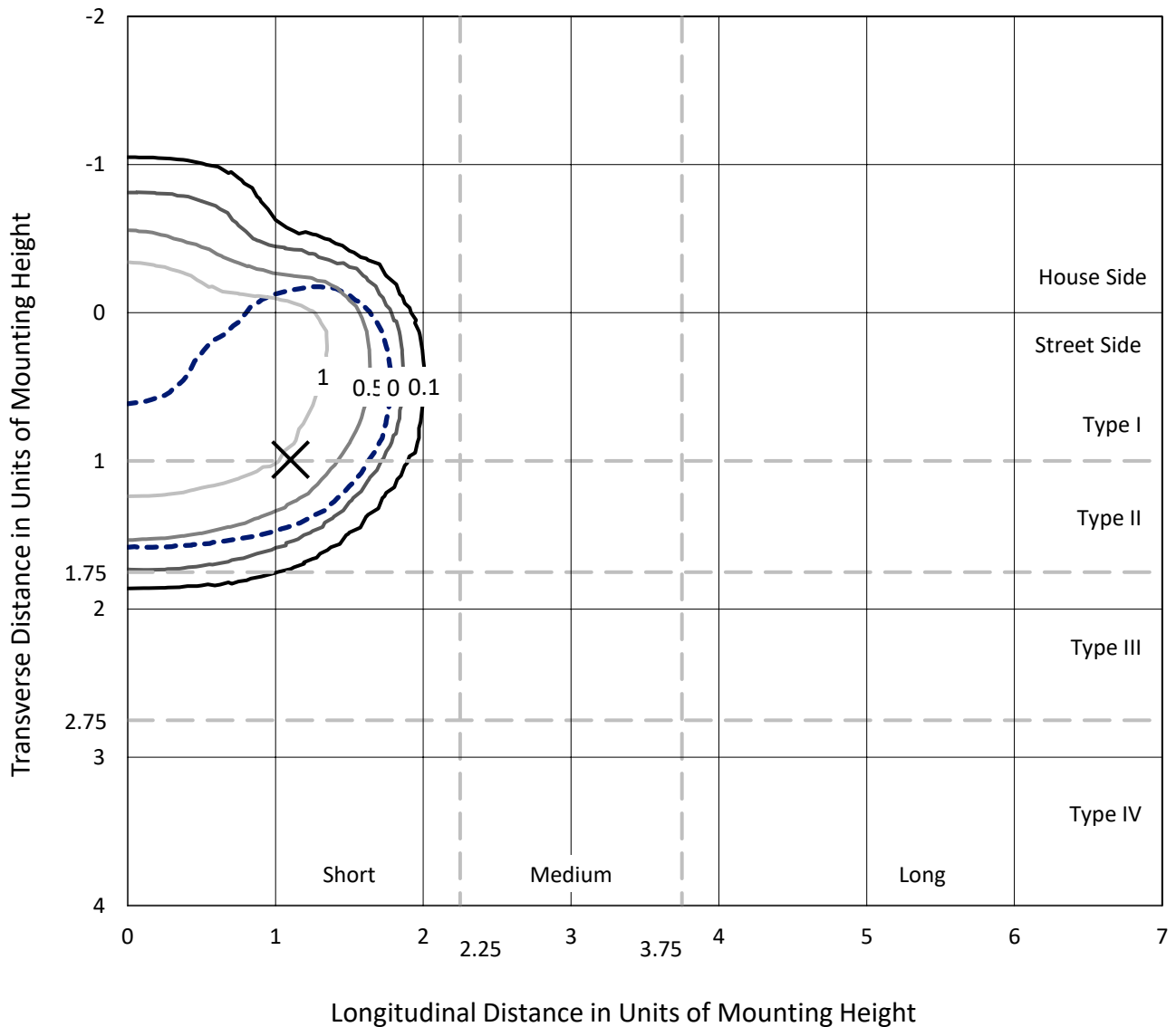
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

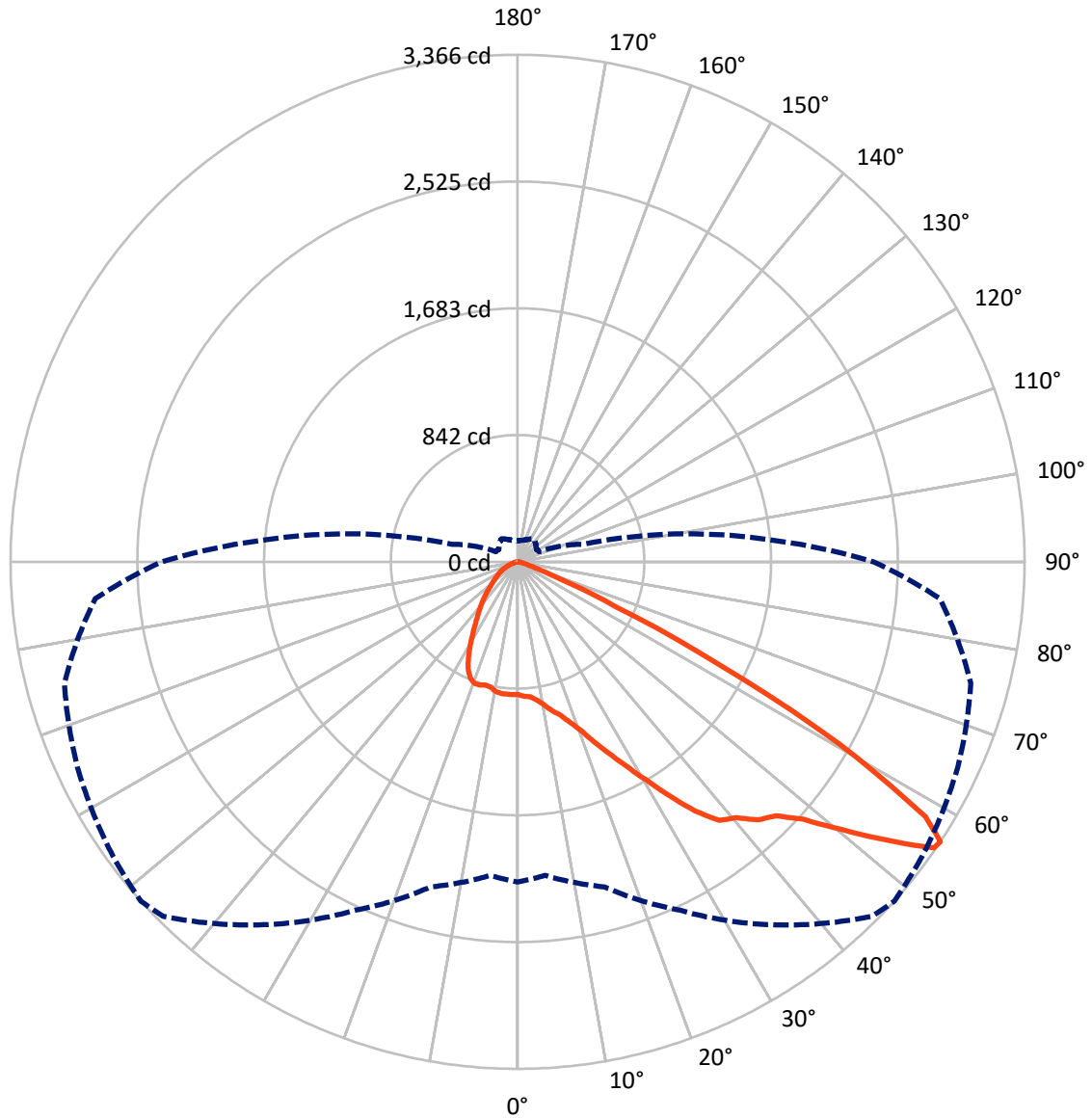
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 48-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1004.5	0.0	1004.5
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	3614.3	0.0	3614.3
	% Fixture	78.3	0.0	78.3
Total	Lumens	4618.8	0.0	4618.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.9	1.9
10°-20°	274.6	5.9
20°-30°	498.1	10.8
30°-40°	782.5	16.9
40°-50°	1141.5	24.7
50°-60°	1375.2	29.8
60°-70°	402.7	8.7
70°-80°	51.1	1.1
80°-90°	7.2	0.2
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°	4618.8	100.0
0°-180°	4618.8	100.0

Coefficient of Utilization

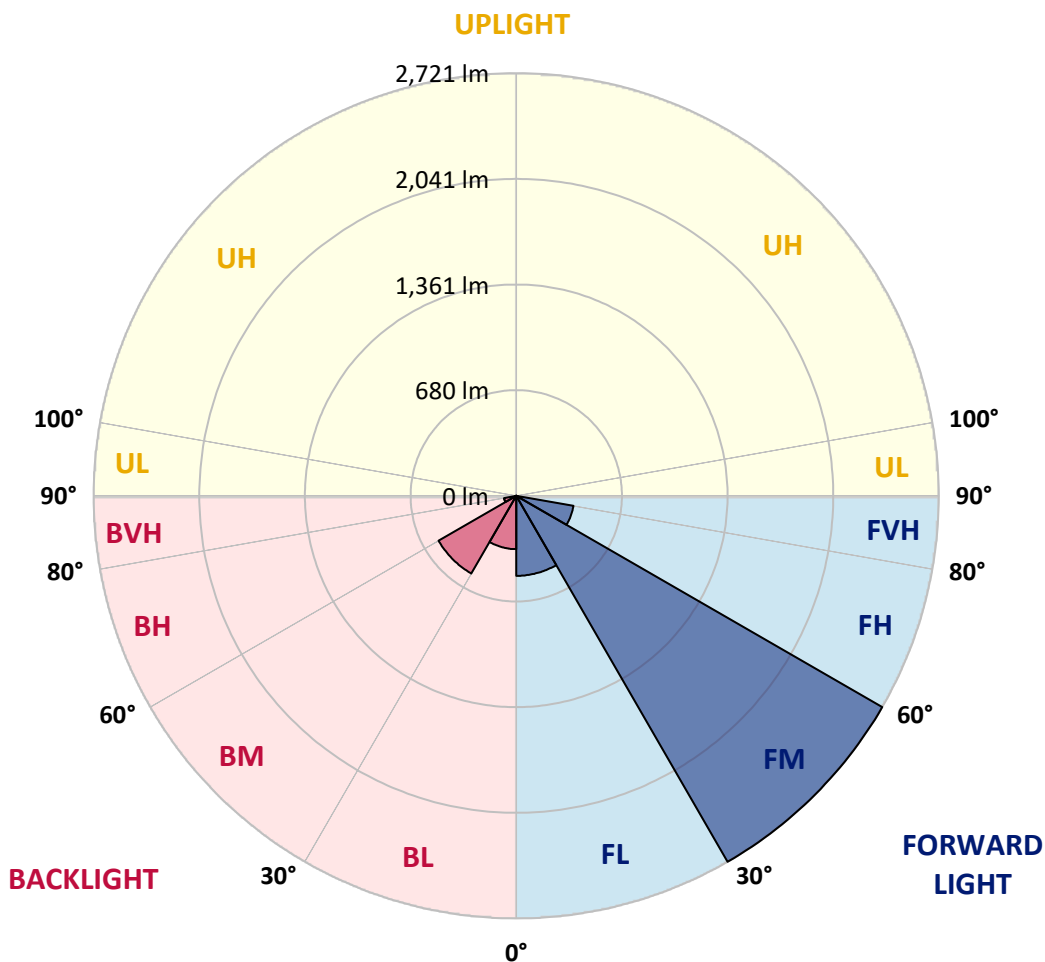


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	515.4	11.2			
FM (30°-60°)	2721.4	58.9			
FH (60°-80°)	373.9	8.1			G0/660
FVH (80°-90°)	3.6	0.1			G0/10
BL (0°-30°)	343.3	7.4	B1/500		
BM (30°-60°)	577.8	12.5	B1/1000		
BH (60°-80°)	79.8	1.7	B0/110		G0/110
BVH (80°-90°)	3.6	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°	48°	55°	65°	75°	85°
0°	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2
2.5°	898.2	894.0	894.0	887.3	894.8	891.5	894.0	885.6	894.0	881.4	891.5
5°	902.4	903.2	899.9	904.1	904.1	909.1	900.7	908.3	912.5	903.2	899.0
7.5°	924.3	925.9	925.1	921.7	928.5	927.6	926.8	920.9	922.6	919.2	914.2
10°	967.2	966.3	970.5	962.1	957.1	962.9	964.6	955.4	948.6	946.1	930.1
12.5°	1029.4	1019.3	1013.4	1005.0	1007.5	999.1	1014.2	998.3	994.9	979.8	963.8
15°	1079.8	1078.2	1079.0	1065.5	1050.4	1053.8	1053.8	1045.4	1040.3	1021.8	999.1
17.5°	1183.3	1148.0	1155.5	1138.7	1126.1	1125.3	1117.7	1119.4	1105.9	1067.2	1032.7
20°	1264.0	1248.9	1237.1	1208.5	1189.2	1195.1	1191.7	1183.3	1179.1	1128.6	1079.8
22.5°	1336.3	1341.4	1322.1	1314.5	1287.6	1290.1	1296.8	1289.3	1257.3	1205.2	1132.8
25°	1438.1	1432.2	1406.2	1396.9	1371.7	1380.9	1407.0	1401.1	1380.9	1286.7	1174.0
27.5°	1558.4	1538.2	1543.2	1501.2	1476.8	1502.9	1534.0	1563.4	1506.2	1382.6	1222.8
30°	1643.3	1622.3	1620.6	1618.9	1613.0	1643.3	1679.5	1706.4	1660.1	1478.5	1303.6
32.5°	1685.4	1690.4	1704.7	1699.7	1750.9	1813.1	1851.0	1889.6	1831.6	1634.9	1410.4
35°	1797.1	1765.2	1797.1	1800.5	1853.5	1985.5	2033.5	2126.0	2111.7	1856.0	1540.7
37.5°	1862.7	1860.2	1864.4	1896.4	1947.7	2110.8	2178.9	2250.4	2223.5	1988.9	1703.0
40°	1971.2	1977.9	1977.1	2001.5	2057.8	2205.0	2232.8	2290.8	2293.3	2173.1	1941.8
42.5°	2145.3	2118.4	2100.7	2126.0	2205.0	2286.6	2342.1	2330.3	2413.6	2396.8	2248.7
45°	2301.7	2317.7	2291.6	2333.7	2362.3	2406.0	2404.3	2429.6	2535.5	2615.4	2480.0
47.5°	2448.1	2458.2	2470.8	2499.4	2561.6	2568.3	2554.0	2543.1	2689.4	2771.9	2659.2
50°	2535.5	2544.8	2603.7	2655.0	2771.0	2786.1	2794.6	2766.8	2866.0	2875.3	2828.2
52.5°	2512.0	2522.1	2604.5	2773.5	2958.6	3097.3	3072.1	3025.0	3019.1	3055.3	2984.6
55°	2303.4	2294.2	2407.7	2670.9	3017.4	3350.5	3353.8	3304.2	3209.2	3184.8	2961.1
56°	2126.0	2089.8	2234.5	2552.4	2941.7	3328.6	3366.4	3313.5	3224.3	3115.0	2815.6
57.5°	1741.6	1776.1	1919.9	2183.2	2680.2	3171.3	3193.2	3180.6	3113.3	2930.0	2477.5
60°	960.4	1021.0	1148.0	1470.1	1908.1	2433.8	2451.4	2554.0	2566.6	2243.7	1704.7
62.5°	407.9	401.2	533.2	770.4	1086.6	1469.2	1502.0	1607.2	1626.5	1293.5	855.3
65°	165.7	174.9	241.4	387.7	574.4	669.4	715.7	750.2	814.1	534.0	315.4
67.5°	109.3	108.5	142.1	221.2	309.5	298.6	298.6	315.4	291.8	217.8	136.2
70°	78.2	80.7	101.8	153.1	192.6	143.0	137.1	131.2	148.9	143.8	110.2
72.5°	51.3	54.7	68.1	91.7	100.1	78.2	78.2	94.2	122.8	116.1	90.0
75°	33.6	34.5	42.0	53.0	49.6	40.4	44.6	63.1	89.1	85.8	63.9
77.5°	22.7	23.5	28.6	34.5	27.8	22.7	24.4	32.0	43.7	43.7	33.6
80°	8.4	9.3	11.8	10.9	12.6	16.0	17.7	21.9	26.1	26.1	22.7
82.5°	0.0	0.8	2.5	5.9	9.3	12.6	14.3	16.8	19.3	21.9	21.0
85°	0.0	0.8	2.5	4.2	6.7	7.6	8.4	5.9	5.0	5.0	4.2
87.5°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	1.7	0.8	0.8
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°	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2	882.2
2.5°	882.2	881.4	881.4	878.8	883.9	881.4	883.0	882.2	871.3	879.7	873.8
5°	891.5	897.3	888.1	886.4	879.7	882.2	882.2	873.8	881.4	880.5	878.8
7.5°	915.0	904.9	894.8	884.7	883.0	880.5	871.3	867.9	873.8	867.1	877.2
10°	925.1	926.8	911.6	898.2	885.6	867.9	855.3	847.7	838.5	848.6	854.5
12.5°	971.4	954.5	928.5	907.4	864.5	846.9	834.3	830.9	846.9	850.3	844.4
15°	987.3	984.8	951.2	904.1	859.5	838.5	841.0	834.3	836.0	827.5	829.2
17.5°	1020.1	991.5	952.0	893.1	858.7	853.6	838.5	811.6	796.4	789.7	795.6
20°	1056.3	1028.5	971.4	897.3	866.2	852.8	803.2	770.4	739.2	722.4	723.3
22.5°	1088.3	1053.8	962.9	899.0	873.0	817.5	757.7	693.0	654.3	628.2	629.1
25°	1126.9	1078.2	966.3	902.4	855.3	761.1	675.3	612.2	566.0	548.3	554.2
27.5°	1148.8	1093.3	984.8	910.0	809.0	681.2	588.7	529.8	502.9	494.5	493.7
30°	1214.4	1126.9	1007.5	894.8	731.7	595.4	509.6	473.5	447.4	439.8	441.5
32.5°	1312.0	1188.3	1037.0	855.3	652.6	518.9	458.3	431.4	407.0	392.7	391.1
35°	1393.5	1293.5	1068.1	793.9	560.9	460.0	422.2	388.5	351.5	335.6	331.4
37.5°	1549.1	1412.0	1061.3	701.4	473.5	416.3	383.5	342.3	310.3	288.5	285.9
40°	1755.9	1550.8	1028.5	588.7	408.7	377.6	342.3	302.8	263.2	244.7	243.0
42.5°	2007.4	1720.7	968.8	474.3	344.0	338.9	307.0	261.6	226.2	212.8	213.6
45°	2211.7	1866.1	908.3	381.0	296.0	301.1	273.3	230.4	206.0	195.1	195.1
47.5°	2393.4	1964.5	842.7	314.5	251.5	263.2	238.8	213.6	192.6	184.2	182.5
50°	2568.3	2064.6	777.1	254.8	214.5	226.2	223.7	203.5	186.7	176.6	177.5
52.5°	2677.7	2080.5	693.8	208.6	187.5	201.0	209.4	190.9	172.4	166.5	164.8
55°	2543.9	1874.5	538.2	171.6	158.9	176.6	192.6	171.6	157.3	147.2	146.3
56°	2364.0	1676.1	449.9	158.1	150.5	169.9	186.7	164.0	148.0	142.1	137.9
57.5°	2001.5	1371.7	332.2	140.4	139.6	158.1	177.5	156.4	137.9	132.9	132.9
60°	1248.0	772.0	201.0	117.7	121.1	140.4	159.8	139.6	122.8	122.8	125.3
62.5°	568.5	321.3	121.9	100.1	104.3	121.1	142.1	126.2	116.9	126.2	127.8
65°	193.4	138.8	88.3	79.9	82.4	100.1	121.9	127.8	127.0	132.9	136.2
67.5°	108.5	89.1	74.0	66.4	64.8	74.0	100.1	127.8	122.8	120.3	121.9
70°	91.7	75.7	65.6	58.9	56.3	59.7	77.4	96.7	86.6	84.1	82.4
72.5°	74.0	63.1	57.2	53.0	45.4	38.7	35.3	37.0	41.2	43.7	47.9
75°	52.1	47.9	47.9	42.9	32.8	24.4	19.3	16.0	10.9	7.6	8.4
77.5°	29.4	29.4	30.3	26.1	21.0	16.0	11.8	8.4	4.2	1.7	0.8
80°	20.2	21.9	23.5	21.0	17.7	14.3	10.1	5.9	2.5	0.0	0.0
82.5°	20.2	22.7	24.4	21.0	17.7	13.5	10.1	5.9	2.5	0.8	0.0
85°	4.2	5.0	5.9	6.7	10.1	10.1	7.6	5.0	2.5	0.8	0.0
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	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)