

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: P458675

Luminaire Tested: **GLAN-SA2B-735-U-T2-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P458675
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2B-735-U-T2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3500K, 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: 7969 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

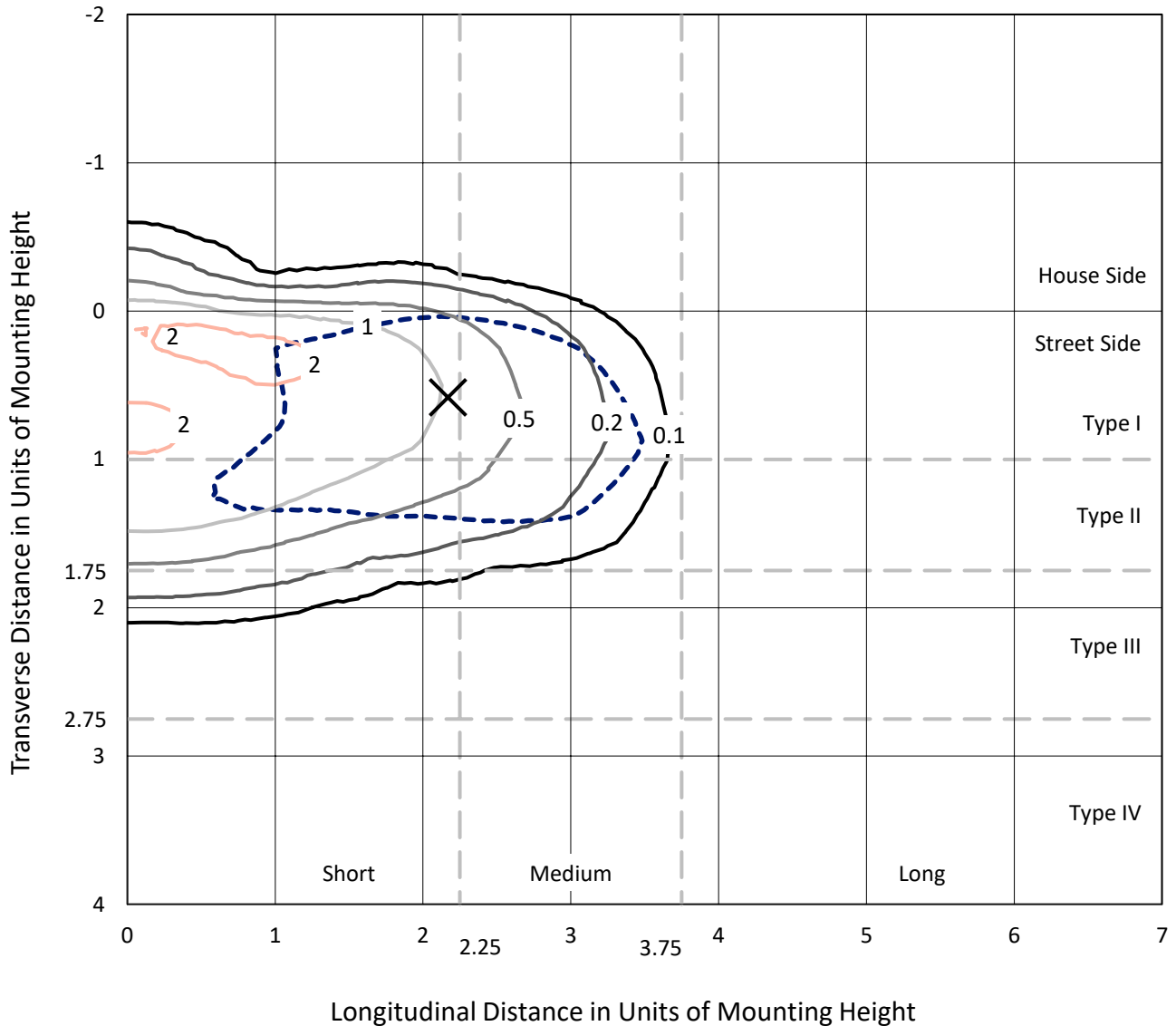
Input Watts (W): 82
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

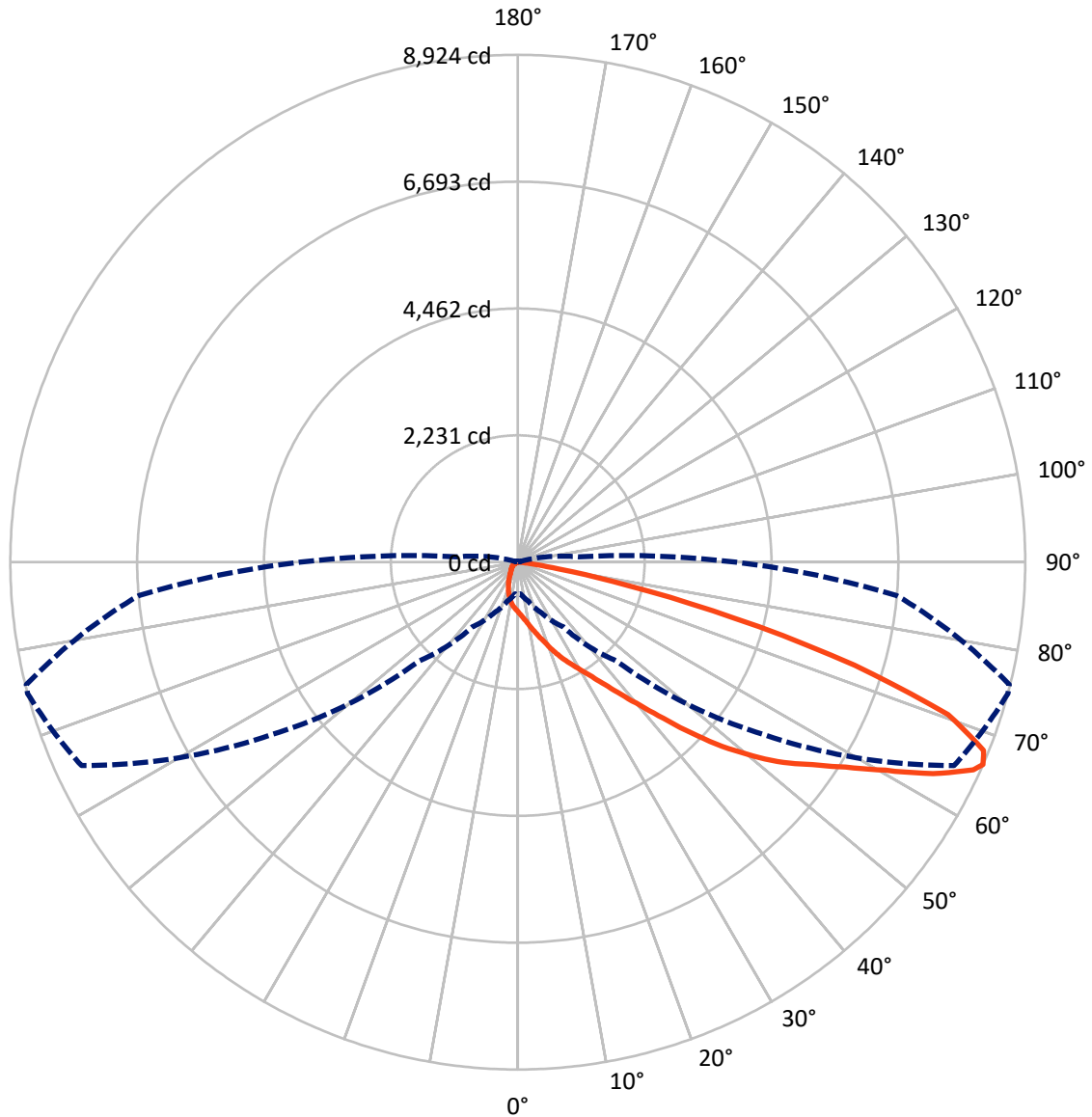
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	492.0	0.0	492.0
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	7477.0	0.0	7477.0
	% Fixture	93.8	0.0	93.8
Total	Lumens	7969.0	0.0	7969.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.1	1.1
10°-20°	247.4	3.1
20°-30°	427.2	5.4
30°-40°	770.5	9.7
40°-50°	1392.0	17.5
50°-60°	2170.1	27.2
60°-70°	2061.5	25.9
70°-80°	772.6	9.7
80°-90°	43.6	0.5
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°	7969.0	100.0
0°-180°	7969.0	100.0

Coefficient of Utilization



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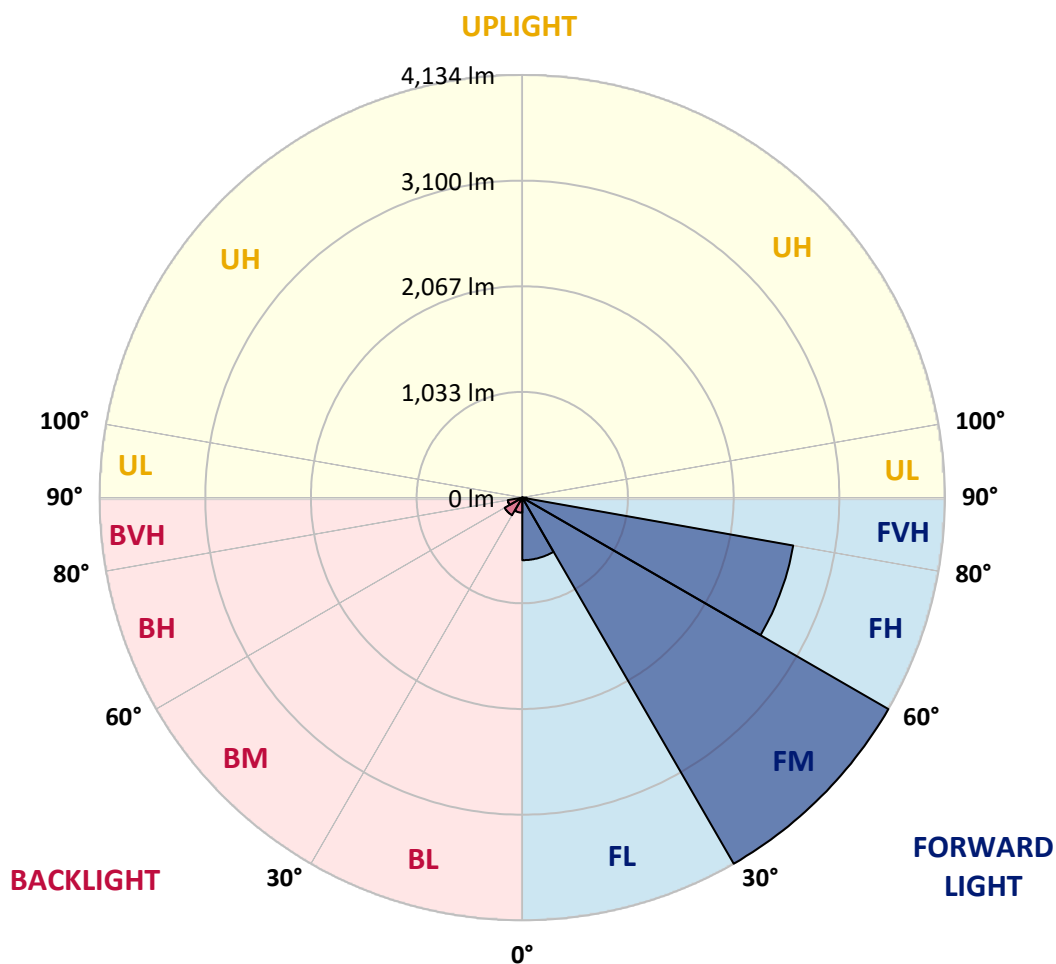
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	611.7	7.7			
FM (30°-60°)	4133.5	51.9			
FH (60°-80°)	2690.5	33.8			G2/5000
FVH (80°-90°)	41.3	0.5			G1/100
BL (0°-30°)	146.9	1.8	B1/500		
BM (30°-60°)	199.1	2.5	B0/220		
BH (60°-80°)	143.7	1.8	B1/500		G1/500
BVH (80°-90°)	2.3	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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5
2.5°	1041.2	1028.2	1032.4	1026.5	1012.9	992.9	975.2	949.9	924.5	920.4	892.1
5°	1178.5	1174.9	1170.2	1153.1	1143.7	1113.1	1076.5	1032.9	980.5	971.1	919.8
7.5°	1272.2	1270.4	1272.8	1263.9	1255.7	1228.0	1189.1	1129.6	1048.3	1043.0	957.5
10°	1302.8	1307.5	1316.4	1330.5	1343.5	1334.6	1305.2	1230.9	1136.1	1120.7	1000.5
12.5°	1285.1	1290.4	1311.7	1349.4	1391.2	1415.4	1403.6	1349.4	1229.2	1216.8	1048.9
15°	1239.8	1246.2	1276.3	1334.6	1409.5	1477.8	1507.3	1468.4	1337.6	1317.5	1107.2
17.5°	1172.6	1182.0	1225.0	1302.2	1404.8	1522.6	1605.7	1592.7	1453.1	1434.2	1170.8
20°	1121.9	1129.0	1165.5	1253.9	1384.7	1547.3	1699.4	1735.9	1595.7	1563.3	1245.7
22.5°	1155.5	1157.9	1170.2	1223.3	1348.8	1553.8	1781.9	1885.0	1747.1	1718.2	1323.4
25°	1319.9	1296.3	1284.0	1272.2	1341.1	1547.9	1856.7	2040.5	1897.9	1867.3	1400.6
27.5°	1579.2	1568.6	1506.1	1422.4	1406.5	1555.6	1906.2	2187.9	2040.0	2007.0	1476.1
30°	1861.4	1843.1	1804.8	1682.3	1559.1	1609.8	1942.1	2331.0	2207.9	2164.3	1545.0
32.5°	2120.7	2132.5	2075.3	1949.2	1806.6	1725.3	1988.7	2487.2	2400.6	2346.4	1625.1
35°	2423.0	2446.5	2358.7	2237.9	2071.2	1933.9	2079.4	2663.4	2645.1	2576.8	1748.9
37.5°	2730.0	2744.1	2690.5	2520.8	2370.5	2199.1	2250.3	2880.8	2946.2	2887.9	1896.8
40°	2988.0	3007.5	2968.0	2817.2	2656.9	2506.0	2498.4	3117.7	3304.5	3244.4	2117.1
42.5°	3185.4	3200.2	3201.4	3094.7	2950.3	2882.0	2814.8	3420.0	3753.5	3683.9	2372.9
45°	3434.7	3455.9	3443.5	3371.1	3263.2	3250.8	3216.1	3785.3	4290.9	4203.1	2704.6
47.5°	3820.1	3834.2	3803.6	3718.1	3608.5	3628.0	3607.3	4194.8	4838.9	4763.4	3048.1
50°	4087.6	4111.1	4154.7	4188.9	4109.4	4037.5	3976.2	4577.2	5359.2	5291.4	3399.3
52.5°	4084.6	4123.5	4261.4	4433.5	4607.3	4585.5	4409.3	4999.7	5855.9	5772.2	3729.3
55°	3809.4	3884.9	4087.6	4392.8	4874.2	5114.0	5033.9	5488.8	6284.9	6228.3	4111.7
57.5°	3241.4	3287.4	3569.0	3995.7	4725.1	5362.7	5757.5	6151.7	6799.3	6772.7	4705.7
60°	2180.2	2200.8	2563.2	3090.6	4022.8	5114.6	6287.8	6953.6	7432.7	7419.7	5399.2
62.5°	1249.2	1258.0	1520.8	1965.7	2862.5	4334.5	6332.6	7943.0	8192.2	8199.3	6201.8
65°	672.3	677.0	889.2	1153.7	1741.8	3089.4	5694.4	8485.1	8806.2	8819.8	6699.1
66°	580.4	558.0	707.7	983.4	1385.9	2458.9	5290.8	8465.6	8924.1	8909.3	6681.4
67.5°	441.3	461.4	565.1	756.0	1027.0	1748.3	4368.1	8089.1	8834.5	8788.5	6409.8
70°	315.8	324.1	402.5	539.2	699.4	959.3	2791.2	6718.5	8029.6	7967.7	5584.2
72.5°	203.9	212.7	285.2	390.1	505.6	523.8	1562.7	4854.2	6190.6	6181.7	4205.4
75°	145.5	153.8	188.6	279.3	380.1	324.1	752.5	3271.5	3935.5	3909.0	2601.5
77.5°	105.5	109.6	126.1	182.7	271.6	232.2	348.8	1747.1	1959.2	2051.7	1149.6
80°	60.7	64.2	87.8	111.4	183.8	158.5	166.8	701.2	723.0	688.2	359.4
82.5°	30.1	34.2	52.4	76.0	114.9	106.7	76.6	210.9	222.7	216.8	90.7
85°	7.1	8.8	29.5	50.1	56.0	47.7	37.1	61.9	76.6	74.8	34.8
87.5°	0.6	1.2	10.6	8.8	9.4	15.9	13.0	15.9	24.7	23.0	12.4
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°	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5
2.5°	879.1	868.0	835.5	803.7	777.2	749.5	724.2	709.4	703.6	697.1	700.0
5°	891.5	864.4	799.0	742.4	687.1	639.9	602.2	578.0	566.3	564.5	561.5
7.5°	908.0	861.5	760.1	671.7	599.3	546.8	503.8	469.0	458.4	449.0	441.3
10°	928.1	856.2	711.8	597.5	520.3	454.3	397.7	356.5	335.3	329.4	333.5
12.5°	949.3	846.2	661.1	529.1	440.2	355.9	303.5	282.8	276.9	274.6	275.2
15°	970.5	833.8	608.1	463.1	350.6	284.0	259.9	254.6	252.2	251.0	249.8
17.5°	989.9	813.7	548.6	398.9	284.0	242.8	233.9	229.2	224.5	222.7	219.8
20°	1012.9	790.8	495.0	327.0	240.4	219.8	209.2	200.3	193.3	188.6	188.0
22.5°	1034.7	761.3	439.0	271.1	219.2	197.4	180.3	170.9	162.6	156.7	158.5
25°	1046.5	725.4	388.9	236.3	199.8	175.0	156.1	144.4	135.5	132.6	132.0
27.5°	1046.5	681.2	340.0	216.3	182.1	155.0	135.5	124.3	118.4	114.3	114.9
30°	1038.2	632.3	294.6	200.9	166.8	137.3	119.0	109.0	104.3	101.3	100.8
32.5°	1031.8	585.7	255.7	186.2	150.8	122.0	106.1	98.4	93.7	90.7	90.7
35°	1041.8	545.6	225.7	171.5	136.1	110.2	96.0	89.0	84.3	81.9	81.3
37.5°	1068.3	509.1	202.7	155.6	122.6	100.2	89.0	80.7	76.0	73.1	71.9
40°	1133.7	488.5	185.6	140.8	109.6	91.9	80.7	73.1	67.2	64.2	63.6
42.5°	1238.6	489.1	169.1	127.3	99.6	84.9	73.7	64.8	58.3	55.4	54.8
45°	1396.5	511.5	156.1	114.3	90.7	77.2	66.0	56.6	50.7	47.7	47.7
47.5°	1585.7	555.1	145.0	103.1	82.5	70.1	58.3	48.9	43.0	40.7	40.7
50°	1790.7	611.6	133.8	91.3	75.4	62.5	50.1	42.4	37.7	35.9	35.9
52.5°	1999.9	680.0	122.6	81.9	67.8	54.2	43.0	37.7	33.6	32.4	31.8
55°	2274.5	767.2	110.8	71.9	59.5	46.6	38.3	33.0	28.3	26.5	25.9
57.5°	2697.0	898.6	97.8	63.0	48.9	38.9	33.0	27.7	22.4	19.4	18.9
60°	3206.7	1058.9	84.3	55.4	39.5	31.8	26.5	21.2	16.5	13.0	12.4
62.5°	3683.9	1160.8	71.3	46.6	31.2	24.2	18.9	15.9	11.8	8.2	7.7
65°	3894.9	1126.6	58.9	37.7	24.7	17.1	12.4	11.2	7.1	3.5	2.9
66°	3824.8	1076.0	54.2	34.2	22.4	14.7	10.6	9.4	5.3	1.8	1.8
67.5°	3617.9	956.3	47.1	29.5	19.4	11.8	8.2	7.1	2.9	0.6	0.0
70°	3100.0	773.7	37.1	21.8	14.1	8.2	4.7	3.5	1.8	0.0	0.0
72.5°	2381.1	576.3	29.5	16.5	10.0	4.7	2.4	1.2	1.8	0.0	0.0
75°	1459.0	329.4	23.0	12.4	6.5	2.9	1.8	0.0	1.8	0.6	0.0
77.5°	647.6	147.9	15.3	8.2	4.7	2.4	1.2	0.0	1.2	0.6	0.0
80°	163.8	48.3	8.8	5.9	3.5	1.8	0.6	0.0	1.2	1.2	0.6
82.5°	44.8	17.7	6.5	4.7	2.9	1.8	0.6	0.0	1.2	1.2	1.2
85°	17.7	8.2	5.9	4.7	3.5	1.8	0.6	0.0	1.2	1.2	1.2
87.5°	8.2	5.9	5.9	5.3	4.1	1.8	0.6	0.0	1.2	0.6	1.2
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)