

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: P457185

Luminaire Tested: **GLAN-SA8C-730-U-SL2-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P457185
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8C-730-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42314 lumens
Efficiency: N/A
Efficacy: 98.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 429
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

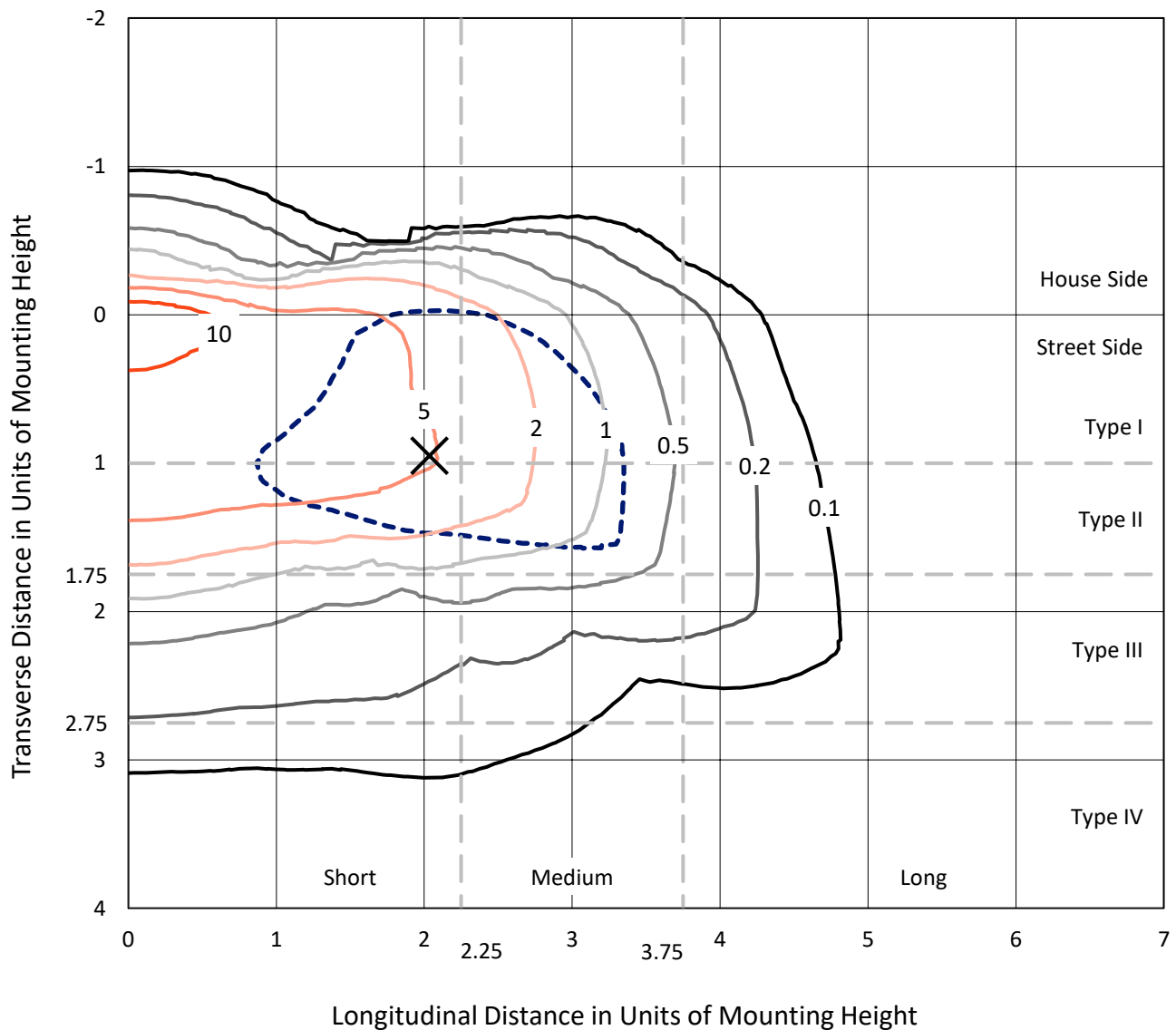


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Iso-Footcandle Lines of Horizontal Illumination

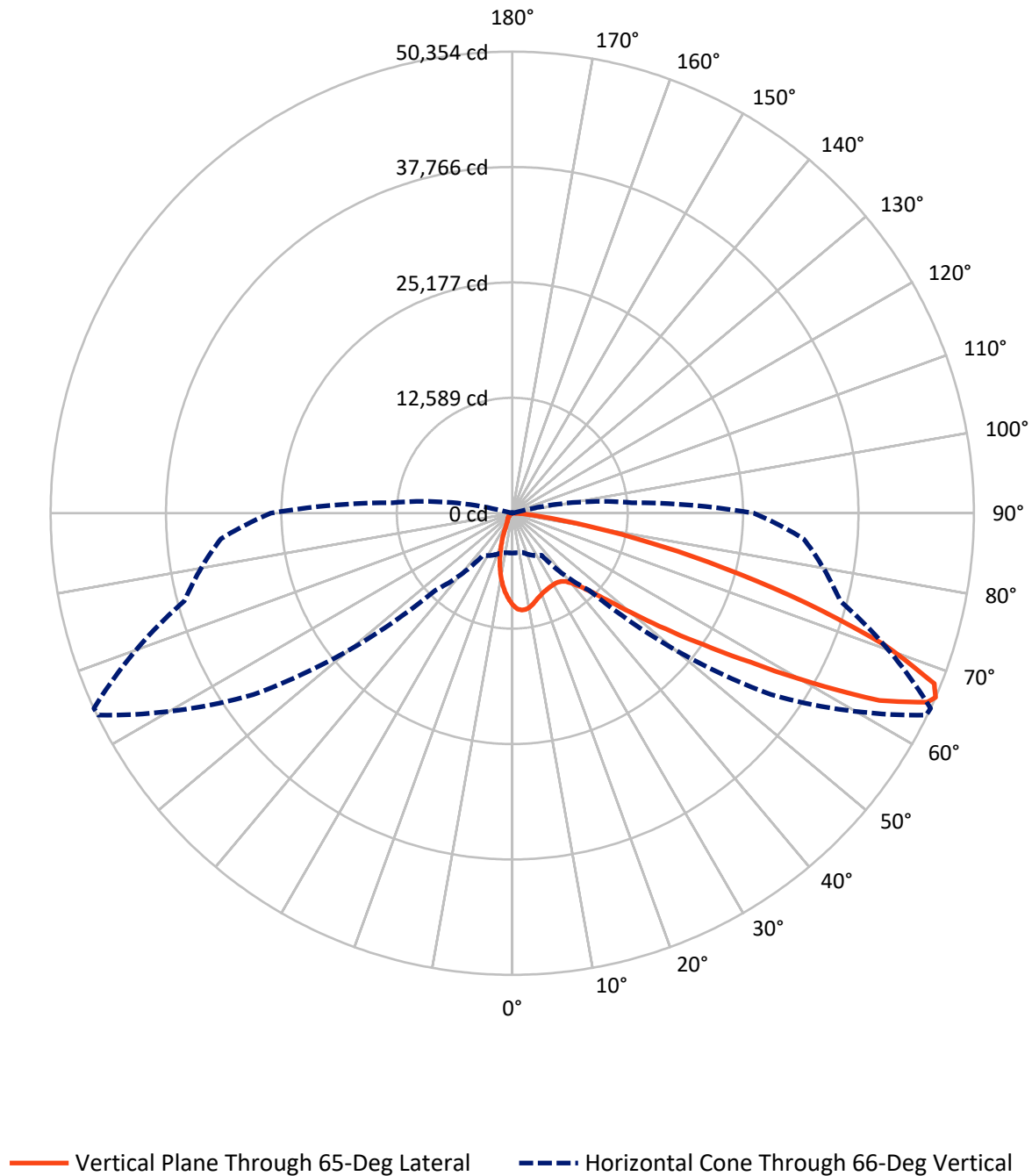
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4375.9	0.0	4375.9
	% Fixture	10.3	0.0	10.3
Street Side	Lumens	37938.1	0.0	37938.1
	% Fixture	89.7	0.0	89.7
Total	Lumens	42314.0	0.0	42314.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	820.6	1.9
10°-20°	1788.1	4.2
20°-30°	2561.4	6.1
30°-40°	3741.2	8.8
40°-50°	6273.3	14.8
50°-60°	10469.1	24.7
60°-70°	11112.6	26.3
70°-80°	5032.9	11.9
80°-90°	515.0	1.2
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°	42314.0	100.0
0°-180°	42314.0	100.0

Coefficient of Utilization



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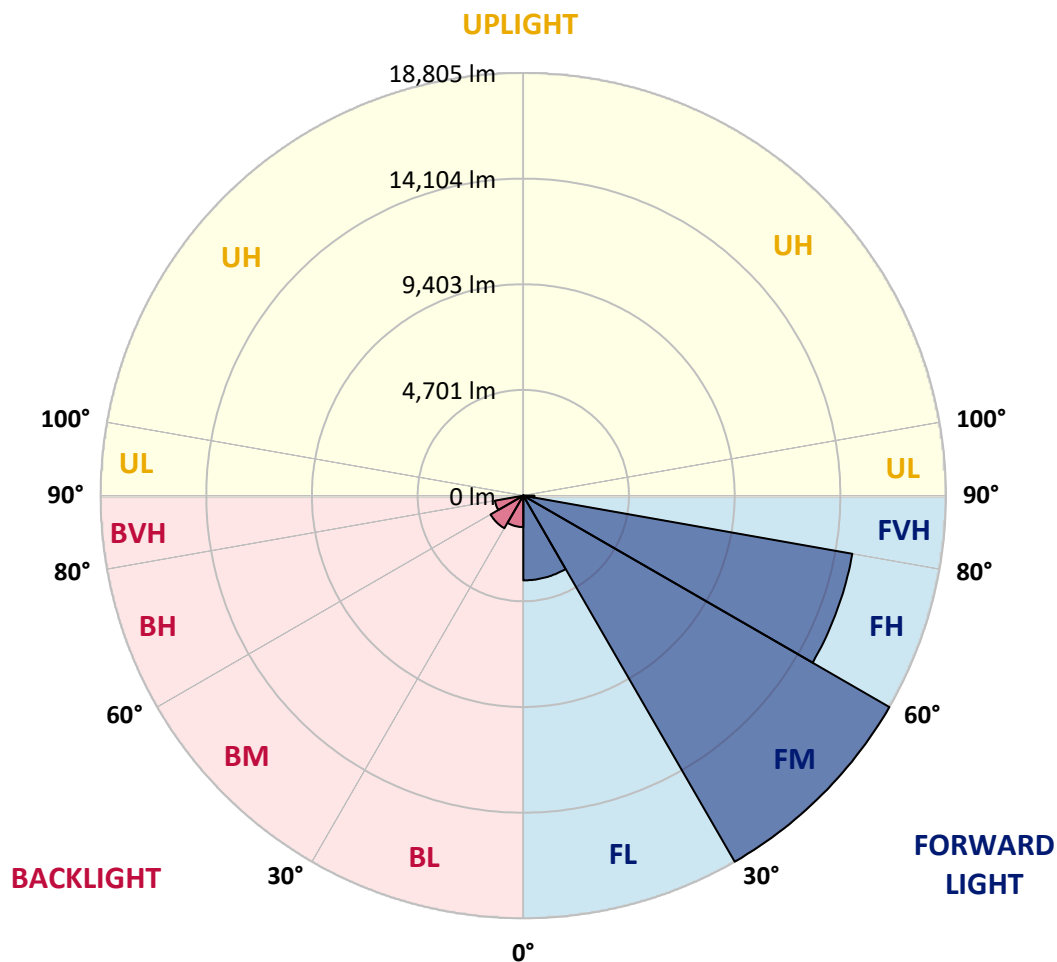
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3770.3	8.9			
FM	(30°-60°)	18805.3	44.4			
FH	(60°-80°)	14863.9	35.1			G5
FVH	(80°-90°)	498.6	1.2			G3/500
BL	(0°-30°)	1399.8	3.3	B3/2500		
BM	(30°-60°)	1678.2	4.0	B2/2500		
BH	(60°-80°)	1281.5	3.0	B3/2500		G3/2500
BVH	(80°-90°)	16.4	0.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	10034.2	10034.2	10034.2	10034.2	10034.2	10034.2	10034.2	10034.2	10034.2	10034.2	10034.2
2.5°	10574.4	10585.8	10600.1	10620.1	10634.4	10591.5	10531.5	10462.9	10448.6	10302.9	10125.7
5°	10008.5	10025.6	10151.4	10220.0	10374.3	10514.3	10602.9	10614.4	10608.7	10471.5	10188.5
7.5°	9202.6	9251.1	9374.0	9494.1	9782.7	10048.5	10362.9	10582.9	10597.2	10560.1	10208.5
10°	8548.1	8579.5	8642.4	8879.6	9119.7	9525.5	9965.6	10380.0	10414.3	10562.9	10191.4
12.5°	8036.5	8082.2	8159.4	8342.3	8631.0	9013.9	9514.1	10071.4	10142.8	10508.6	10142.8
15°	7679.3	7702.1	7779.3	7959.3	8239.4	8593.8	9099.7	9748.4	9811.3	10437.2	10134.2
17.5°	7510.7	7536.4	7590.7	7733.6	7965.1	8293.7	8788.2	9488.3	9568.4	10391.5	10165.7
20°	7556.4	7579.2	7582.1	7656.4	7813.6	8090.8	8559.5	9245.4	9348.3	10362.9	10217.1
22.5°	7816.5	7819.3	7785.0	7750.7	7805.0	8005.1	8419.5	9091.1	9196.8	10357.2	10277.1
25°	8205.1	8213.7	8156.5	8036.5	7927.9	8030.8	8388.0	8991.1	9085.4	10342.9	10314.3
27.5°	8742.4	8739.6	8722.4	8522.4	8213.7	8145.1	8413.8	8936.8	9016.8	10302.9	10328.6
30°	9494.1	9471.2	9434.0	9208.3	8736.7	8422.3	8522.4	8902.5	8976.8	10245.7	10291.4
32.5°	10234.3	10320.0	10314.3	10099.9	9511.2	8916.8	8748.1	8948.2	9002.5	10208.5	10237.1
35°	11097.4	11094.5	11314.6	11234.5	10545.8	9548.4	9134.0	9099.7	9142.5	10234.3	10211.4
37.5°	11897.6	11971.9	12314.8	12397.7	11769.0	10440.0	9679.8	9425.5	9439.8	10408.6	10274.3
40°	12895.0	13037.9	13549.5	13826.7	13272.3	11763.3	10485.8	10022.8	10025.6	10837.3	10511.5
42.5°	14181.1	14406.9	14884.1	15347.1	15049.9	13329.4	11694.7	10968.8	10963.0	11591.8	11054.5
45°	15744.4	15901.6	16444.6	17179.0	16990.4	15515.7	13455.2	12434.9	12360.6	12829.3	12017.6
47.5°	17093.3	17307.7	17859.2	18696.6	19554.0	18185.0	15558.6	14449.7	14401.1	14798.4	13669.5
50°	17682.0	17870.7	18450.8	19625.4	21703.2	21688.9	18690.9	17390.5	17307.7	17522.0	16224.5
52.5°	17036.2	17213.3	17799.2	19262.5	22714.9	25958.6	23229.3	21080.1	20980.1	20705.7	19276.8
55°	14824.1	14969.9	15835.8	17516.3	22326.2	28805.1	29482.5	25638.5	25249.9	24183.8	22732.0
57.5°	11803.3	11729.0	12266.3	14218.2	20045.6	29759.7	35901.4	31317.3	30622.8	27190.4	25655.7
60°	8179.4	8408.0	8625.2	9911.3	15072.7	28104.9	39893.9	38456.4	37541.8	30148.4	28456.5
62.5°	6013.1	6164.6	6307.5	6901.9	9476.9	22440.5	40599.8	45789.8	44978.2	33289.2	31128.6
65°	4755.6	4767.0	4824.2	5410.1	6244.6	14592.6	37207.5	49925.3	49716.6	36312.9	32211.8
66°	4332.6	4335.5	4424.1	5052.8	5604.4	11883.3	34489.6	50239.6	50354.0	37038.8	31894.6
67.5°	3786.8	3775.3	3903.9	4541.3	5104.3	8568.1	29625.4	48965.0	49642.3	37596.1	30754.2
70°	2935.1	2920.8	3078.0	3809.6	4701.3	5715.9	19691.2	42043.1	43134.8	36455.8	27210.4
72.5°	1954.8	1966.3	2234.9	3006.5	4487.0	5032.8	11846.1	31983.2	33526.4	30105.5	21405.9
75°	1140.3	1160.3	1466.1	2234.9	3895.4	4798.5	6704.7	22806.3	23792.3	20788.6	13335.1
77.5°	597.3	605.9	820.2	1474.7	2986.5	4455.5	4467.0	14569.8	15032.7	10102.8	5278.6
80°	317.2	308.7	440.1	888.8	2054.9	3912.5	3623.9	7713.6	8019.4	3000.8	1334.7
82.5°	120.0	131.5	234.4	583.0	1214.6	2809.4	3120.9	3409.5	3303.8	660.2	560.2
85°	22.9	28.6	100.0	345.8	611.6	1174.6	2300.6	1671.9	1549.0	248.6	322.9
87.5°	2.9	5.7	28.6	82.9	88.6	397.3	680.2	463.0	400.1	91.5	134.3
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°	10034.2	10034.2	10034.2	10034.2	10034.2	10034.2	10034.2	10034.2	10034.2	10034.2	10034.2
2.5°	10039.9	9962.8	9705.5	9451.2	9191.1	8956.8	8796.7	8536.7	8470.9	8376.6	8322.3
5°	10019.9	9839.9	9345.4	8805.3	8302.3	7759.3	7344.9	6944.8	6730.4	6621.8	6581.8
7.5°	9962.8	9677.0	8905.3	8059.4	7253.4	6441.8	5735.9	5198.6	4852.8	4615.6	4455.5
10°	9848.4	9454.0	8393.8	7230.6	6013.1	4941.4	4046.8	3366.6	2840.8	2675.0	2680.7
12.5°	9731.3	9205.4	7822.2	6310.3	4801.3	3449.5	2500.7	1963.4	1711.9	1629.0	1611.9
15°	9622.7	8968.2	7262.0	5418.6	3575.3	2234.9	1611.9	1423.3	1354.7	1340.4	1337.5
17.5°	9565.5	8748.1	6664.7	4398.4	2495.0	1517.6	1291.8	1240.3	1220.3	1206.0	1200.3
20°	9516.9	8556.7	6093.1	3443.8	1706.2	1243.2	1157.5	1108.9	1074.6	1060.3	1051.7
22.5°	9482.6	8359.5	5501.5	2666.5	1306.1	1103.2	1026.0	963.1	914.5	897.4	886.0
25°	9431.2	8142.3	4904.2	1949.1	1100.3	980.3	891.7	817.4	754.5	723.1	717.3
27.5°	9356.9	7896.5	4249.7	1443.3	983.1	871.7	763.1	671.6	608.7	574.4	577.3
30°	9236.8	7639.3	3595.3	1146.0	888.8	760.2	643.0	554.4	494.4	468.7	465.8
32.5°	9093.9	7327.7	2995.1	983.1	803.1	660.2	537.3	460.1	414.4	394.4	391.5
35°	8959.6	7013.4	2383.5	883.1	714.5	568.7	451.6	385.8	351.5	334.4	337.2
37.5°	8885.3	6733.3	1857.7	803.1	643.0	488.7	388.7	331.5	300.1	285.8	282.9
40°	8933.9	6504.7	1477.6	731.6	563.0	420.1	334.4	285.8	254.4	234.4	234.4
42.5°	9162.5	6404.6	1191.8	663.0	488.7	363.0	291.5	245.8	211.5	191.5	194.3
45°	9859.9	6510.4	997.4	600.2	420.1	314.4	251.5	202.9	171.5	157.2	154.3
47.5°	11017.3	6907.6	863.1	534.4	360.1	268.6	211.5	168.6	137.2	125.7	122.9
50°	13040.8	7727.9	763.1	468.7	305.8	228.6	174.3	134.3	108.6	97.2	97.2
52.5°	15824.4	9516.9	691.6	394.4	257.2	194.3	142.9	108.6	85.7	77.2	74.3
55°	18733.8	11403.2	654.5	331.5	214.3	160.0	114.3	85.7	65.7	57.2	54.3
57.5°	21531.7	12883.6	611.6	268.6	171.5	122.9	88.6	65.7	45.7	40.0	37.2
60°	24215.3	14081.0	520.1	214.3	134.3	88.6	65.7	45.7	31.4	25.7	25.7
62.5°	26615.9	14778.4	408.7	171.5	102.9	62.9	42.9	34.3	22.9	17.1	17.1
65°	26896.0	13872.4	308.7	131.5	74.3	40.0	25.7	25.7	17.1	11.4	11.4
66°	26333.0	13103.6	271.5	120.0	65.7	34.3	22.9	20.0	14.3	8.6	8.6
67.5°	25075.5	11791.8	234.4	102.9	54.3	25.7	17.1	17.1	11.4	5.7	5.7
70°	21666.0	9631.2	185.8	77.2	40.0	20.0	11.4	11.4	8.6	5.7	5.7
72.5°	16513.1	7190.6	151.5	57.2	28.6	14.3	8.6	8.6	8.6	5.7	5.7
75°	9959.9	3872.5	117.2	42.9	25.7	11.4	5.7	8.6	11.4	8.6	5.7
77.5°	3669.6	1317.5	91.5	34.3	20.0	11.4	5.7	5.7	11.4	8.6	8.6
80°	900.2	343.0	65.7	28.6	20.0	11.4	5.7	5.7	11.4	11.4	11.4
82.5°	417.3	145.8	45.7	25.7	20.0	11.4	5.7	5.7	8.6	11.4	11.4
85°	240.1	68.6	37.2	28.6	20.0	11.4	5.7	5.7	8.6	11.4	11.4
87.5°	97.2	34.3	34.3	28.6	22.9	14.3	5.7	5.7	5.7	8.6	8.6
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)