

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: P322564

Luminaire Tested: **GAN-SA0B-740-U-T4FT-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322564
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-17)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0B-740-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40169 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

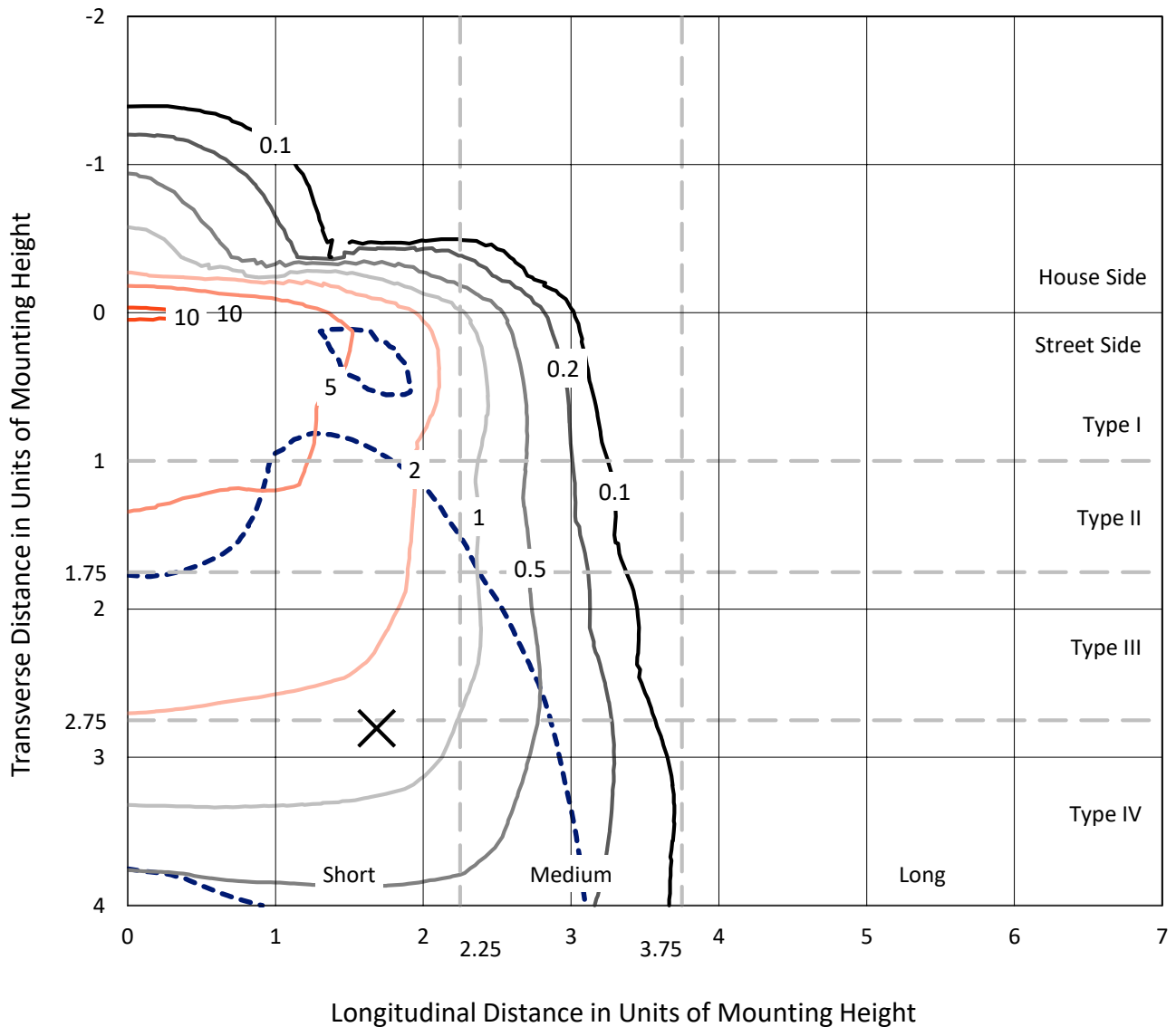
Input Watts (W): 419
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

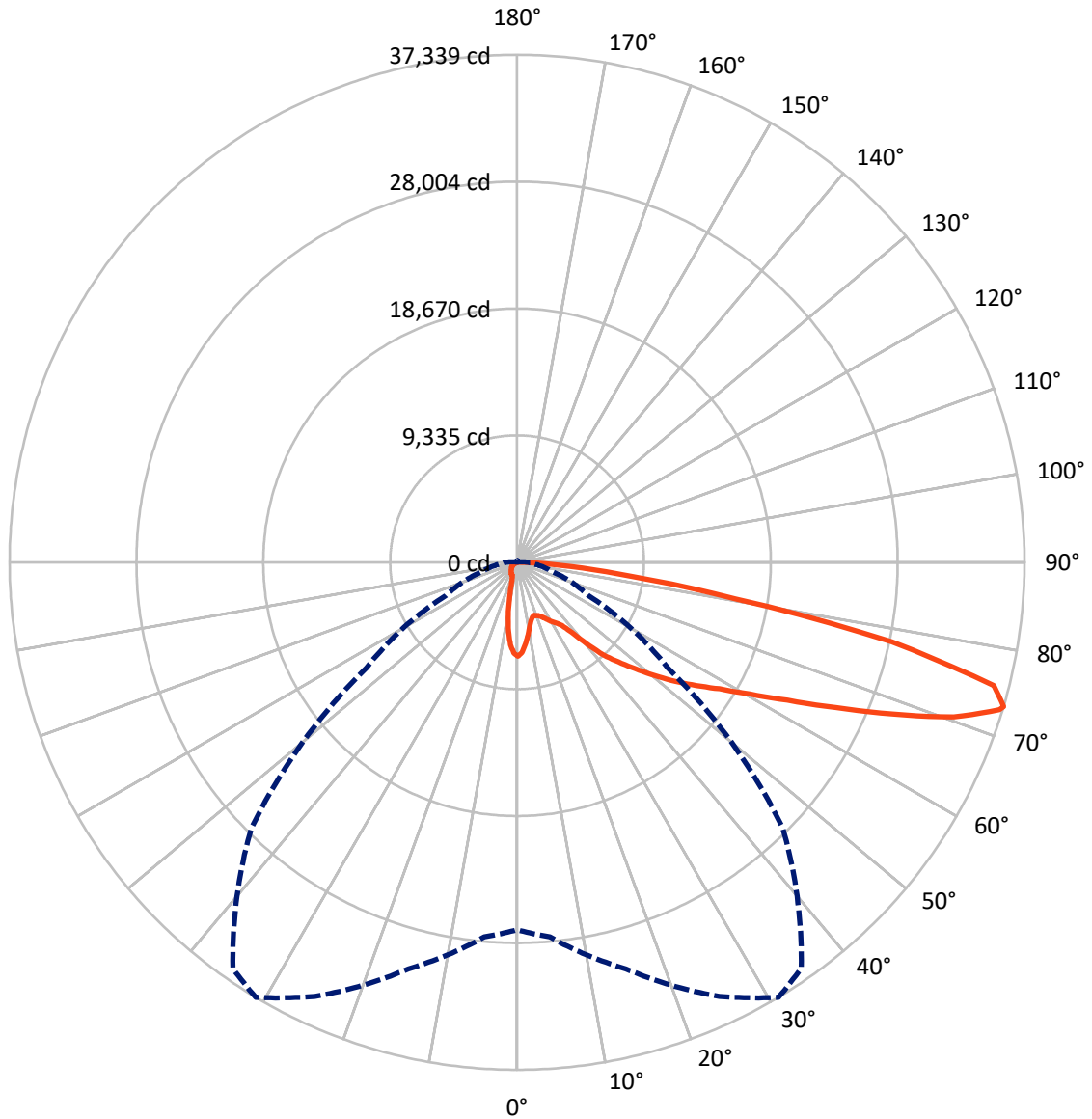
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 31-Deg Lateral - - - Horizontal Cone Through 73-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3661.6	0.0	3661.6
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	36507.4	0.0	36507.4
	% Fixture	90.9	0.0	90.9
Total	Lumens	40169.0	0.0	40169.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	573.0	1.4
10°-20°	1244.2	3.1
20°-30°	1864.2	4.6
30°-40°	2965.9	7.4
40°-50°	5296.4	13.2
50°-60°	8218.4	20.5
60°-70°	10925.3	27.2
70°-80°	8218.0	20.5
80°-90°	863.5	2.1
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°	40169.0	100.0
0°-180°	40169.0	100.0

Coefficient of Utilization

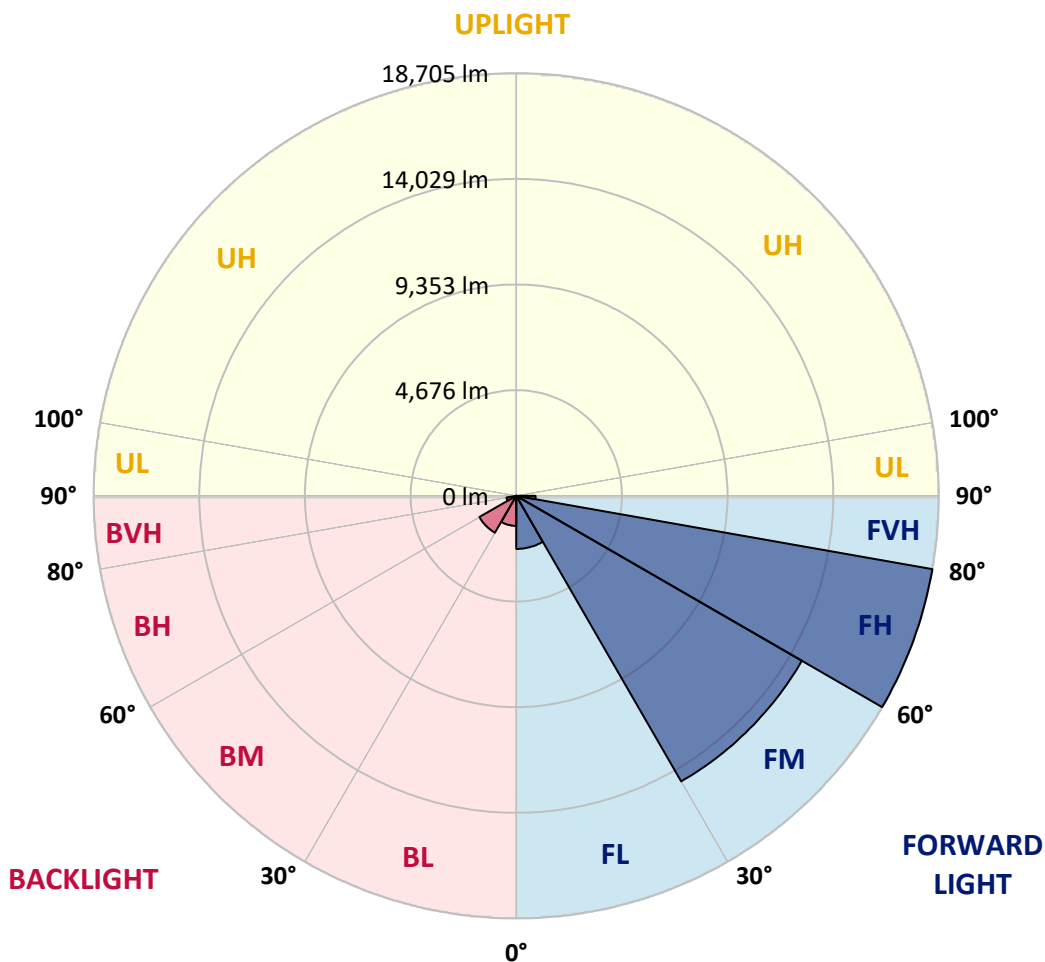


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2349.9	5.9			
FM (30°-60°)	14596.0	36.3			
FH (60°-80°)	18705.2	46.6			G5
FVH (80°-90°)	856.3	2.1			G5
BL (0°-30°)	1331.5	3.3	B3/2500		
BM (30°-60°)	1884.7	4.7	B2/2500		
BH (60°-80°)	438.1	1.1	B1/500		G1/500
BVH (80°-90°)	7.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	31°	35°	45°	55°	65°	75°	85°
0°	6911.2	6911.2	6911.2	6911.2	6911.2	6911.2	6911.2	6911.2	6911.2	6911.2	6911.2
2.5°	6549.5	6577.0	6606.5	6612.4	6661.5	6663.5	6734.3	6787.3	6840.4	6891.5	6909.2
5°	5877.2	5922.4	5975.5	6028.6	6132.8	6174.0	6347.0	6523.9	6693.0	6854.2	6932.8
7.5°	5159.8	5210.9	5285.6	5417.3	5533.3	5613.8	5887.1	6201.6	6516.1	6812.9	6983.9
10°	4505.2	4552.4	4631.0	4770.6	4949.5	5059.5	5427.1	5863.5	6325.4	6775.5	7060.5
12.5°	4088.5	4114.1	4157.3	4306.7	4467.9	4591.7	5024.2	5564.7	6168.2	6773.6	7184.4
15°	4011.9	4019.7	3984.3	4051.2	4177.0	4296.9	4735.2	5322.9	6048.2	6805.0	7345.6
17.5°	4133.7	4129.8	4011.9	4004.0	4104.2	4202.5	4593.7	5155.9	5963.7	6877.7	7553.9
20°	4318.5	4304.7	4100.3	4063.0	4169.1	4261.5	4583.9	5093.0	5932.3	6999.6	7807.5
22.5°	4564.2	4540.6	4220.2	4180.9	4294.9	4391.2	4705.7	5153.9	5959.8	7162.8	8102.3
25°	4868.9	4833.5	4426.6	4383.4	4499.3	4595.6	4923.9	5328.8	6042.3	7361.3	8475.8
27.5°	5212.9	5161.7	4756.8	4644.8	4776.5	4876.7	5214.8	5596.2	6172.1	7571.6	8933.8
30°	5537.2	5470.4	5104.7	4920.0	5081.2	5193.2	5529.3	5914.6	6380.4	7895.9	9560.8
32.5°	5863.5	5788.8	5415.3	5195.2	5340.6	5462.5	5853.6	6352.9	6771.6	8391.3	10394.3
35°	6614.3	6535.7	6077.7	5714.1	5712.1	5780.9	6307.7	6952.4	7288.6	9081.2	11388.9
37.5°	7878.2	7833.0	7396.7	6706.7	6522.0	6445.3	6926.9	7667.9	8031.6	10030.6	12511.2
40°	9262.1	9222.7	8733.3	8108.2	7827.1	7638.4	7815.3	8664.5	9081.2	11190.3	13657.2
42.5°	10824.7	10638.0	9765.3	9578.5	9326.9	9183.4	9024.2	9893.0	10370.7	12452.3	14793.3
45°	12243.9	11929.4	10797.2	10514.2	10457.2	10492.5	10581.0	11544.2	11821.3	13952.0	15925.5
47.5°	13089.1	12841.5	11972.7	11701.4	11685.7	11919.6	12587.9	13409.5	13266.0	15259.2	16922.1
50°	13893.1	13669.0	12947.6	13014.4	13087.2	13405.6	14866.1	15328.0	14585.0	16444.5	17836.1
52.5°	14543.7	14201.7	13824.3	14199.7	14557.5	15070.5	17217.0	17049.9	15520.6	17388.0	18618.5
55°	14919.1	14763.9	14946.7	15324.1	15996.3	16829.7	19436.2	18482.8	16204.7	18248.9	19139.3
57.5°	16295.1	15990.4	16354.1	16680.3	17557.0	18722.6	21336.9	19550.2	16698.0	18781.6	19259.3
60°	17960.0	17714.3	17928.5	18471.0	19654.3	21024.4	23113.9	20420.9	16955.5	19123.6	18948.7
62.5°	20609.6	20285.3	20151.6	20759.0	22327.6	23823.4	24462.3	21024.4	16898.5	18972.3	17883.3
65°	24159.6	23823.4	23225.9	23776.3	25771.4	26826.9	25969.9	21152.2	16505.4	17747.7	15190.4
67.5°	27796.0	27552.3	27041.2	27969.0	29769.5	30109.5	27564.0	20841.6	15239.5	14390.4	10732.3
70°	30198.0	30093.8	30426.0	32478.1	34084.0	33985.8	29026.5	19172.8	11878.3	8849.3	5309.2
72.5°	28466.3	28965.5	31418.6	35139.6	37101.3	36299.3	28275.6	14722.6	6789.3	3404.5	1535.2
73°	27031.4	27670.2	30972.4	35239.8	37339.1	36460.5	27644.6	13513.7	5786.8	2687.0	1163.7
75°	18805.2	19589.5	25641.7	32820.1	36226.6	34738.6	23043.1	8271.4	2681.1	1191.2	469.8
77.5°	9130.4	9710.2	14119.1	23713.4	28173.4	27141.4	14345.2	3082.1	1210.8	745.0	216.2
80°	3408.4	3789.7	6128.8	12069.0	16281.3	16707.9	6309.7	1165.6	805.9	599.5	110.1
82.5°	892.4	994.6	2260.5	5381.9	8344.1	8733.3	1989.2	587.7	589.7	493.4	66.8
85°	285.0	326.3	705.7	2415.8	3931.3	3451.6	518.9	285.0	428.5	367.6	37.3
87.5°	35.4	45.2	224.1	568.1	866.8	481.6	80.6	84.5	182.8	204.4	21.6
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°	6911.2	6911.2	6911.2	6911.2	6911.2	6911.2	6911.2	6911.2	6911.2	6911.2	6911.2
2.5°	6926.9	6917.1	6919.0	6867.9	6834.5	6767.7	6698.9	6667.4	6634.0	6620.2	6634.0
5°	6962.3	6944.6	6893.5	6736.2	6569.1	6352.9	6150.5	5997.1	5804.5	5751.4	5806.5
7.5°	7017.3	6981.9	6832.5	6512.1	6140.6	5727.8	5264.0	4925.9	4648.7	4469.8	4534.7
10°	7097.9	7031.1	6730.3	6185.8	5521.5	4790.2	4131.8	3618.7	3255.1	3105.7	3099.8
12.5°	7233.5	7107.7	6604.5	5761.3	4764.7	3789.7	2926.8	2370.6	2075.7	1885.0	1881.1
15°	7382.9	7198.1	6445.3	5252.2	3884.1	2714.5	1885.0	1462.4	1271.8	1210.8	1203.0
17.5°	7565.7	7302.3	6238.9	4625.1	2962.2	1798.6	1230.5	1108.6	1100.8	1094.9	1094.9
20°	7795.7	7426.2	5973.6	3907.7	2101.3	1201.0	1045.7	1053.6	1057.5	1049.6	1051.6
22.5°	8063.0	7552.0	5657.1	3137.1	1421.2	1004.4	1000.5	1010.3	1014.3	1010.3	1012.3
25°	8373.6	7697.4	5271.8	2329.3	1026.1	953.3	963.2	976.9	986.7	986.7	986.7
27.5°	8758.9	7874.3	4807.9	1625.6	886.5	900.3	927.8	953.3	967.1	971.0	971.0
30°	9260.1	8094.5	4251.7	1114.5	805.9	829.5	880.6	929.7	955.3	959.2	961.2
32.5°	9893.0	8342.1	3606.9	823.6	737.1	754.8	809.8	892.4	941.5	949.4	949.4
35°	10618.3	8629.1	2913.1	717.5	688.0	693.9	737.1	831.5	917.9	939.6	941.5
37.5°	11412.5	8912.2	2215.3	670.3	646.7	646.7	678.1	758.7	860.9	927.8	935.6
40°	12153.5	9083.2	1552.8	632.9	609.3	609.3	636.9	695.8	792.1	892.4	914.0
42.5°	12837.5	9142.1	1081.1	597.6	574.0	579.9	603.4	650.6	723.4	823.6	843.3
45°	13541.2	9132.3	788.2	556.3	538.6	556.3	574.0	609.3	662.4	719.4	723.4
47.5°	14072.0	9049.8	625.1	517.0	505.2	528.8	544.5	568.1	597.6	593.6	593.6
50°	14569.3	8849.3	503.2	463.9	471.8	499.3	507.1	515.0	517.0	479.6	475.7
52.5°	14946.7	8536.7	403.0	406.9	438.3	465.9	458.0	446.2	426.5	381.3	373.5
55°	15072.5	7935.3	316.5	336.1	389.2	424.6	395.1	369.5	332.2	294.8	287.0
57.5°	14844.4	7158.8	257.5	261.4	328.3	357.7	324.3	294.8	253.6	222.1	216.2
60°	14360.9	6295.9	212.3	196.6	253.6	279.1	257.5	228.0	190.7	167.1	165.1
62.5°	13401.7	5376.0	174.9	153.3	192.6	214.3	200.5	178.9	147.4	131.7	129.7
65°	11384.9	4300.8	141.5	123.8	149.4	167.1	155.3	139.6	116.0	104.2	102.2
67.5°	7947.0	2907.2	116.0	102.2	117.9	131.7	121.9	114.0	92.4	90.4	92.4
70°	3833.0	1401.5	96.3	82.6	92.4	102.2	98.3	92.4	88.5	102.2	117.9
72.5°	1098.8	469.8	76.7	68.8	74.7	80.6	84.5	82.6	96.3	123.8	143.5
73°	845.2	379.4	72.7	64.9	70.8	78.6	82.6	80.6	98.3	125.8	143.5
75°	361.7	182.8	55.0	53.1	59.0	68.8	72.7	72.7	98.3	127.8	137.6
77.5°	163.1	98.3	35.4	41.3	51.1	55.0	60.9	60.9	78.6	98.3	98.3
80°	92.4	53.1	27.5	31.5	37.3	37.3	37.3	33.4	35.4	39.3	43.2
82.5°	59.0	35.4	21.6	25.6	23.6	19.7	15.7	15.7	13.8	15.7	19.7
85°	33.4	19.7	19.7	15.7	9.8	7.9	9.8	7.9	2.0	0.0	2.0
87.5°	19.7	11.8	5.9	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)