

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: McGRAW-EDISON

Report Number: P192815

Luminaire Tested: **GLEON-AF-07-LED-E1-SL2-7030-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P192815
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24286)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GLEON-AF-07-LED-E1-SL2-7030-600
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26282.3 lumens
Efficiency: N/A
Efficacy: 116.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G4

Input Watts (W): 226
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: 25 FT



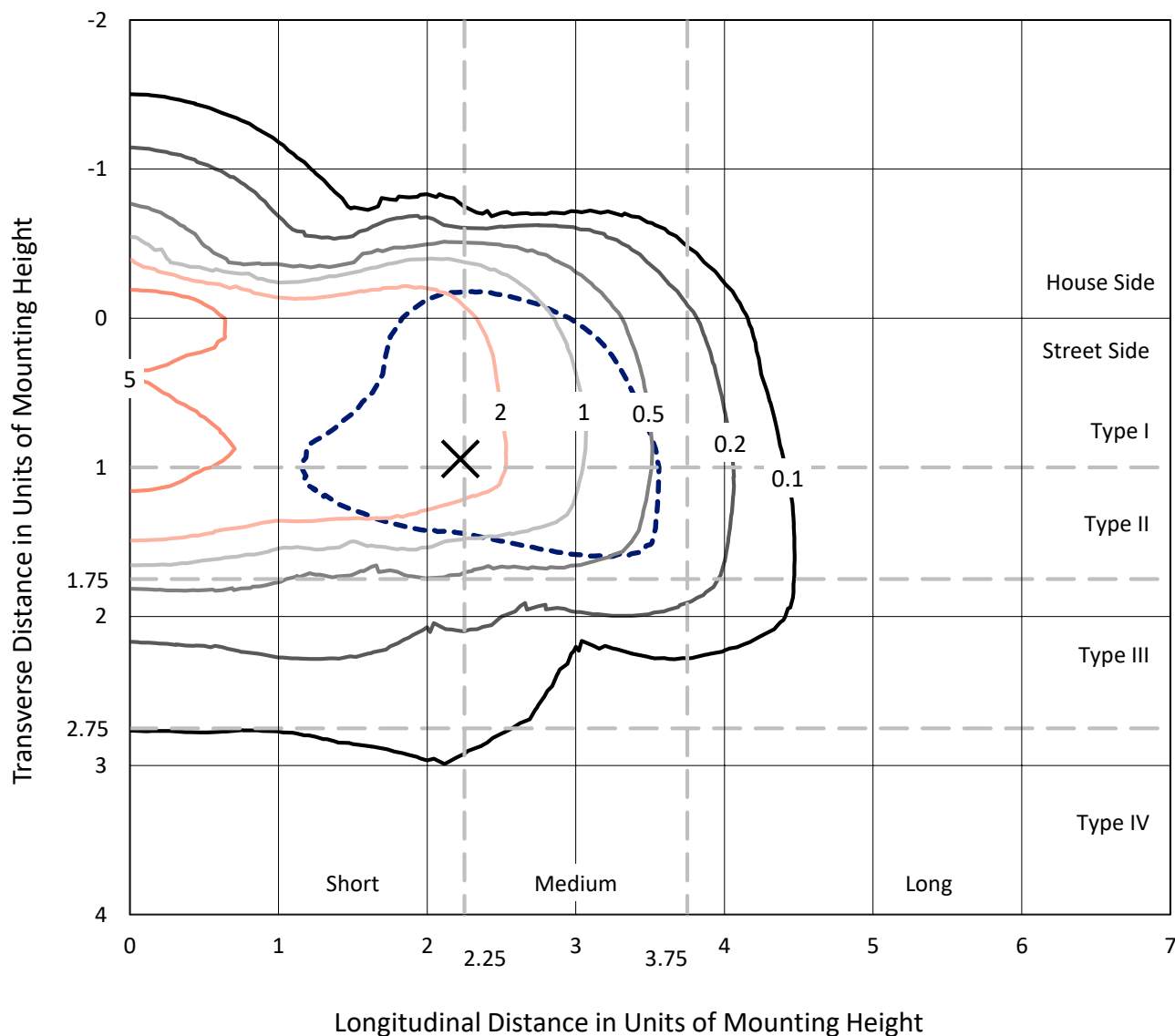
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

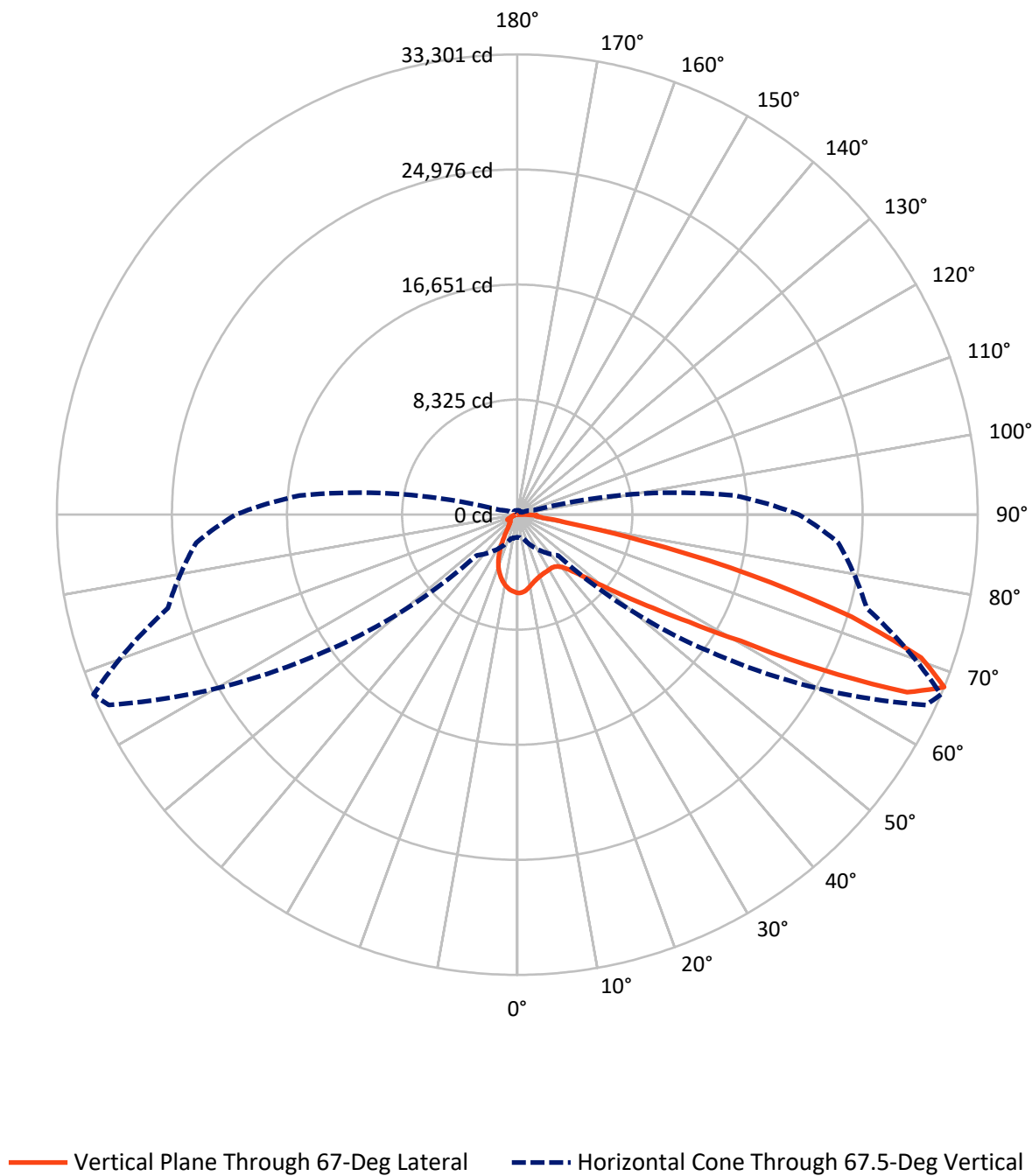


Based on 25 foot mounting height. Maximum calculated value = 9.1 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4354.7	0.0	4354.7
	% Fixture	16.6	0.0	16.6
Street Side	Lumens	21927.6	0.0	21927.6
	% Fixture	83.4	0.0	83.4
Total	Lumens	26282.3	0.0	26282.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	483.7	1.8
10°-20°	1119.1	4.3
20°-30°	1517.0	5.8
30°-40°	2156.5	8.2
40°-50°	3607.9	13.7
50°-60°	5707.7	21.7
60°-70°	7271.1	27.7
70°-80°	3808.6	14.5
80°-90°	610.8	2.3
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°	26282.3	100.0
0°-180°	26282.3	100.0

Coefficient of Utilization



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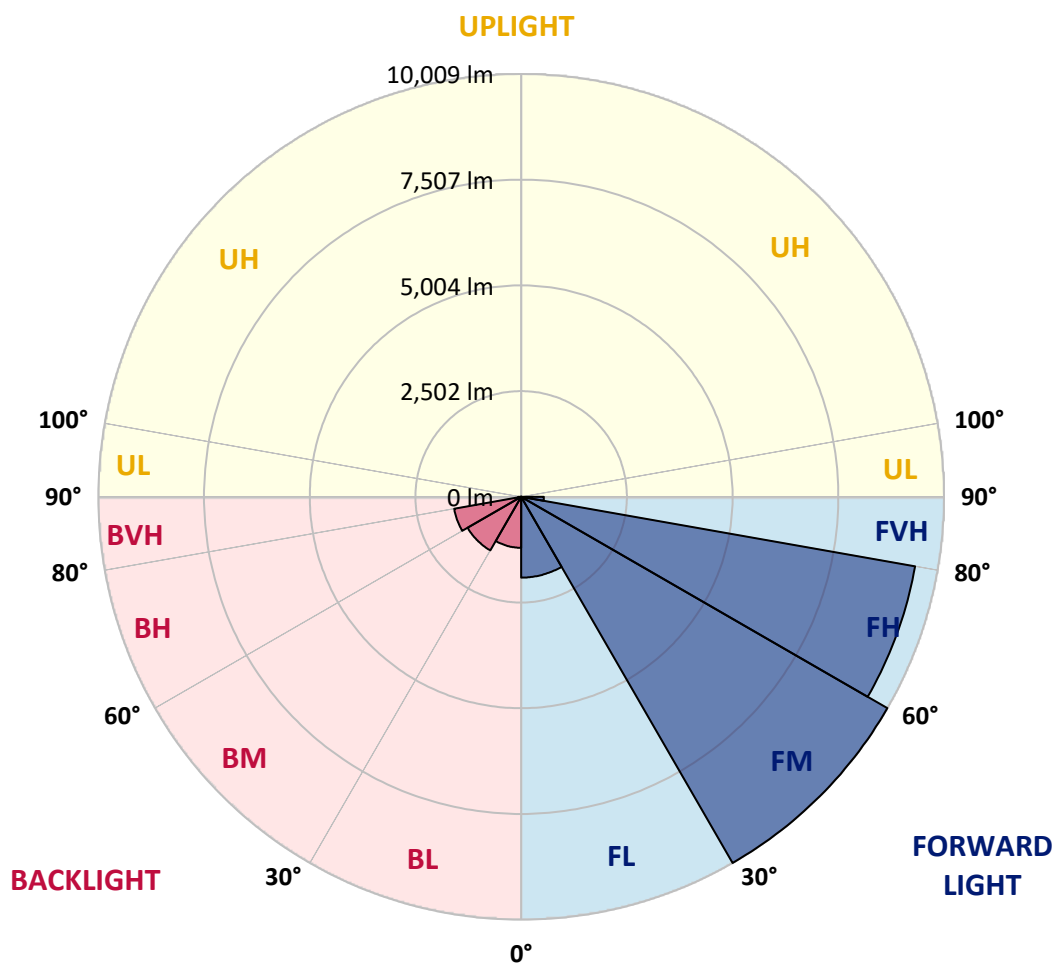
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1912.7	7.3			
FM	(30°-60°)	10008.8	38.1			
FH	(60°-80°)	9469.0	36.0			G4/12000
FVH	(80°-90°)	537.1	2.0			G4/750
BL	(0°-30°)	1207.0	4.6	B3/2500		
BM	(30°-60°)	1463.3	5.6	B2/2500		
BH	(60°-80°)	1610.7	6.1	B3/2500		G3/2500
BVH	(80°-90°)	73.7	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	5669.0	5669.0	5669.0	5669.0	5669.0	5669.0	5669.0	5669.0	5669.0	5669.0	5669.0
2.5°	5435.7	5444.8	5473.4	5491.5	5573.1	5608.2	5632.8	5657.3	5661.3	5673.0	5661.3
5°	4865.5	4884.9	4938.1	4997.6	5155.8	5280.2	5411.1	5547.2	5571.7	5659.9	5684.5
7.5°	4423.5	4418.3	4462.3	4533.7	4695.6	4868.0	5097.5	5368.4	5421.5	5619.8	5715.7
10°	4100.8	4096.9	4143.5	4217.4	4371.7	4535.0	4794.2	5164.9	5240.1	5556.3	5745.5
12.5°	3862.4	3863.6	3910.3	3991.9	4148.7	4313.3	4576.5	4967.8	5063.7	5482.4	5776.6
15°	3704.2	3714.6	3752.2	3839.0	3991.9	4156.5	4414.4	4820.1	4927.7	5424.0	5811.6
17.5°	3651.0	3668.0	3680.8	3744.4	3875.3	4039.9	4292.6	4711.3	4825.3	5383.9	5842.7
20°	3700.3	3719.7	3695.1	3717.1	3800.0	3945.3	4196.6	4625.7	4742.3	5338.5	5846.6
22.5°	3911.6	3929.7	3857.1	3793.6	3788.4	3876.5	4117.7	4558.3	4678.8	5304.9	5847.9
25°	4283.5	4295.2	4173.3	4025.6	3881.8	3851.9	4061.9	4511.7	4639.9	5275.0	5823.3
27.5°	4739.7	4748.9	4608.9	4391.1	4102.0	3910.3	4042.5	4484.4	4618.0	5249.2	5781.8
30°	5294.4	5337.2	5149.3	4874.5	4453.3	4082.6	4081.4	4470.2	4593.3	5205.0	5700.2
32.5°	5862.2	5880.4	5750.7	5472.0	4926.4	4385.8	4190.2	4480.5	4586.8	5151.9	5596.5
35°	6437.5	6460.9	6376.7	6152.5	5573.1	4830.5	4402.8	4541.5	4627.0	5133.8	5523.8
37.5°	7182.8	7214.0	7097.3	6838.1	6359.9	5433.1	4756.6	4694.5	4750.1	5185.6	5501.9
40°	8360.9	8346.8	8005.9	7619.6	7220.4	6204.3	5262.0	4953.6	4986.0	5352.8	5569.3
42.5°	9732.3	9697.2	9110.1	8503.5	8166.6	7137.5	5930.8	5403.3	5396.9	5682.0	5806.4
45°	10826.1	10797.5	10268.8	9521.0	9251.4	8200.2	6795.3	6073.4	6025.4	6204.3	6244.5
47.5°	11418.4	11419.7	11115.2	10504.7	10498.1	9550.8	7906.1	7042.9	6960.0	7044.2	7001.5
50°	11211.1	11238.3	11205.8	11011.4	11636.1	11321.2	9356.4	8394.7	8227.4	8310.5	8145.9
52.5°	10207.9	10242.8	10434.7	10732.7	12114.4	13461.1	11487.1	10074.4	9880.0	9850.2	9667.4
55°	8429.7	8472.4	8863.8	9674.0	11716.5	14898.4	14849.1	12215.5	11905.8	11624.5	11546.7
57.5°	5810.3	5881.5	6511.6	7714.2	10429.6	15332.6	18852.6	15267.8	14637.9	13655.4	13673.6
60°	3275.1	3358.1	4100.8	5193.4	7832.1	14860.8	21898.5	19890.8	18561.1	16033.7	16168.5
62.5°	2082.8	2172.2	2736.0	3608.3	4699.6	12320.5	23146.6	26318.1	24629.3	18965.4	19097.7
65°	1686.2	1725.1	1990.8	2978.4	3412.6	7422.6	22199.2	31612.5	30982.6	22686.5	22069.6
67.5°	1646.0	1659.0	1796.3	2500.2	3272.7	4172.1	17707.0	32602.8	33301.3	26161.2	23307.3
70°	1626.6	1671.8	2024.5	2386.1	3133.9	3518.8	10640.8	29888.8	30991.7	27069.8	21660.0
72.5°	789.3	786.6	1018.8	2158.0	3530.5	3649.7	5466.9	24183.5	25290.4	23452.5	17799.0
75°	636.3	582.0	556.0	790.6	3394.4	3769.0	3483.8	16640.3	17441.3	15723.9	10941.4
77.5°	603.9	539.2	493.9	495.1	1434.8	3997.1	2951.2	9209.9	9443.2	7102.5	2997.8
80°	500.3	440.7	408.3	460.1	694.7	3806.6	3190.9	4168.1	3824.7	1744.6	998.0
82.5°	347.3	316.2	307.1	386.2	556.0	2712.7	3710.7	2239.6	1878.0	873.5	615.6
85°	221.6	189.2	210.0	281.3	432.8	1252.0	3822.1	1745.9	1388.1	554.7	347.3
87.5°	102.3	82.9	103.7	155.4	282.6	431.6	3636.8	1960.9	1429.5	293.0	219.1
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°	5669.0	5669.0	5669.0	5669.0	5669.0	5669.0	5669.0	5669.0	5669.0	5669.0	5669.0
2.5°	5671.6	5646.9	5627.5	5591.3	5551.1	5512.2	5477.1	5433.1	5420.2	5408.6	5426.7
5°	5689.7	5665.1	5593.8	5482.4	5359.2	5243.9	5128.5	5030.1	4969.1	4935.5	4954.9
7.5°	5717.0	5682.0	5534.2	5329.4	5107.9	4905.6	4696.9	4529.8	4406.7	4348.3	4365.1
10°	5741.6	5674.2	5433.1	5126.0	4802.0	4501.3	4172.1	3899.9	3697.7	3591.5	3617.3
12.5°	5752.0	5644.5	5291.9	4872.0	4427.4	3986.8	3502.0	3095.0	2804.6	2698.3	2676.5
15°	5762.4	5610.7	5136.4	4582.9	3975.1	3351.6	2672.5	2185.1	1944.2	1891.0	1879.3
17.5°	5764.9	5552.3	4960.1	4269.3	3445.0	2596.0	1827.5	1517.7	1519.0	1604.6	1615.0
20°	5737.8	5465.5	4746.2	3879.1	2809.9	1795.0	1254.7	1201.5	1397.2	1611.0	1636.9
22.5°	5675.5	5350.2	4503.8	3424.1	2082.8	1181.9	970.8	1029.1	1281.8	1543.7	1573.5
25°	5596.5	5210.2	4217.4	2896.7	1379.1	845.0	814.0	885.2	1056.3	1231.3	1248.1
27.5°	5488.8	5044.3	3895.9	2292.8	895.6	696.0	716.7	764.7	834.6	912.5	920.2
30°	5350.2	4845.9	3552.6	1671.8	676.6	626.0	655.8	681.8	711.5	755.6	759.5
32.5°	5190.8	4655.5	3199.9	1154.8	600.1	589.7	613.1	626.0	649.3	676.6	679.1
35°	5057.3	4474.0	2834.5	816.5	567.7	562.4	578.1	583.2	605.3	635.2	637.6
37.5°	4980.8	4326.3	2457.3	658.4	545.6	537.9	547.0	547.0	578.1	622.1	628.6
40°	4986.0	4244.6	2080.2	594.9	527.5	517.2	518.4	518.4	558.7	606.6	610.4
42.5°	5127.3	4265.4	1745.9	570.3	513.3	501.6	495.1	499.0	532.6	563.8	566.4
45°	5459.0	4411.9	1432.2	554.7	499.0	495.1	480.8	479.5	492.5	506.8	506.8
47.5°	6003.5	4700.9	1219.6	544.3	487.3	485.9	469.2	452.4	451.0	456.2	456.2
50°	6888.7	5198.5	1077.1	532.6	479.5	469.2	449.7	423.8	414.7	418.7	418.7
52.5°	8215.9	6086.4	1022.5	517.2	462.7	445.9	423.8	397.9	390.2	391.3	391.3
55°	9956.5	7449.9	1014.8	499.0	444.5	417.4	399.3	379.7	370.7	373.2	373.2
57.5°	12083.3	9335.6	1153.6	470.5	419.9	388.9	378.5	365.5	359.0	362.8	361.6
60°	14668.9	11803.4	1710.8	440.7	395.3	362.8	362.8	352.6	347.3	351.3	349.9
62.5°	17647.3	14637.9	2405.6	418.7	369.4	342.2	347.3	342.2	336.9	339.6	338.2
65°	20288.8	16484.8	2252.6	401.7	343.5	322.8	331.8	329.2	325.3	327.9	326.5
67.5°	20365.3	15800.4	1265.0	383.6	318.8	303.3	316.2	315.0	312.4	315.0	313.7
70°	18174.8	13341.7	712.8	349.9	293.0	279.9	298.1	296.7	294.2	299.4	298.1
72.5°	14561.4	9681.7	521.0	308.4	267.0	255.3	276.1	274.8	274.8	282.6	278.6
75°	8379.1	4982.1	416.1	264.4	239.9	230.7	248.9	250.1	252.7	263.1	255.3
77.5°	2388.6	1552.7	339.6	224.2	206.1	202.2	220.3	222.9	224.2	235.9	225.5
80°	887.8	715.4	279.9	187.9	168.5	169.8	186.7	190.5	191.9	203.4	190.5
82.5°	566.4	471.8	226.8	145.2	132.2	130.9	151.7	156.8	156.8	158.1	150.3
85°	330.5	282.6	171.1	105.0	93.3	89.5	112.7	121.9	117.9	115.4	110.2
87.5°	221.6	194.4	105.0	58.4	50.6	48.0	66.1	72.5	70.0	66.1	62.2
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)