

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: P192824

Luminaire Tested: **GAN-AF-06-LED-U-SL2-7030-800**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P192824
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: STREETWORKS
Catalog Number: GAN-AF-06-LED-U-SL2-7030-800
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 800mA 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: 27252.5 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G4

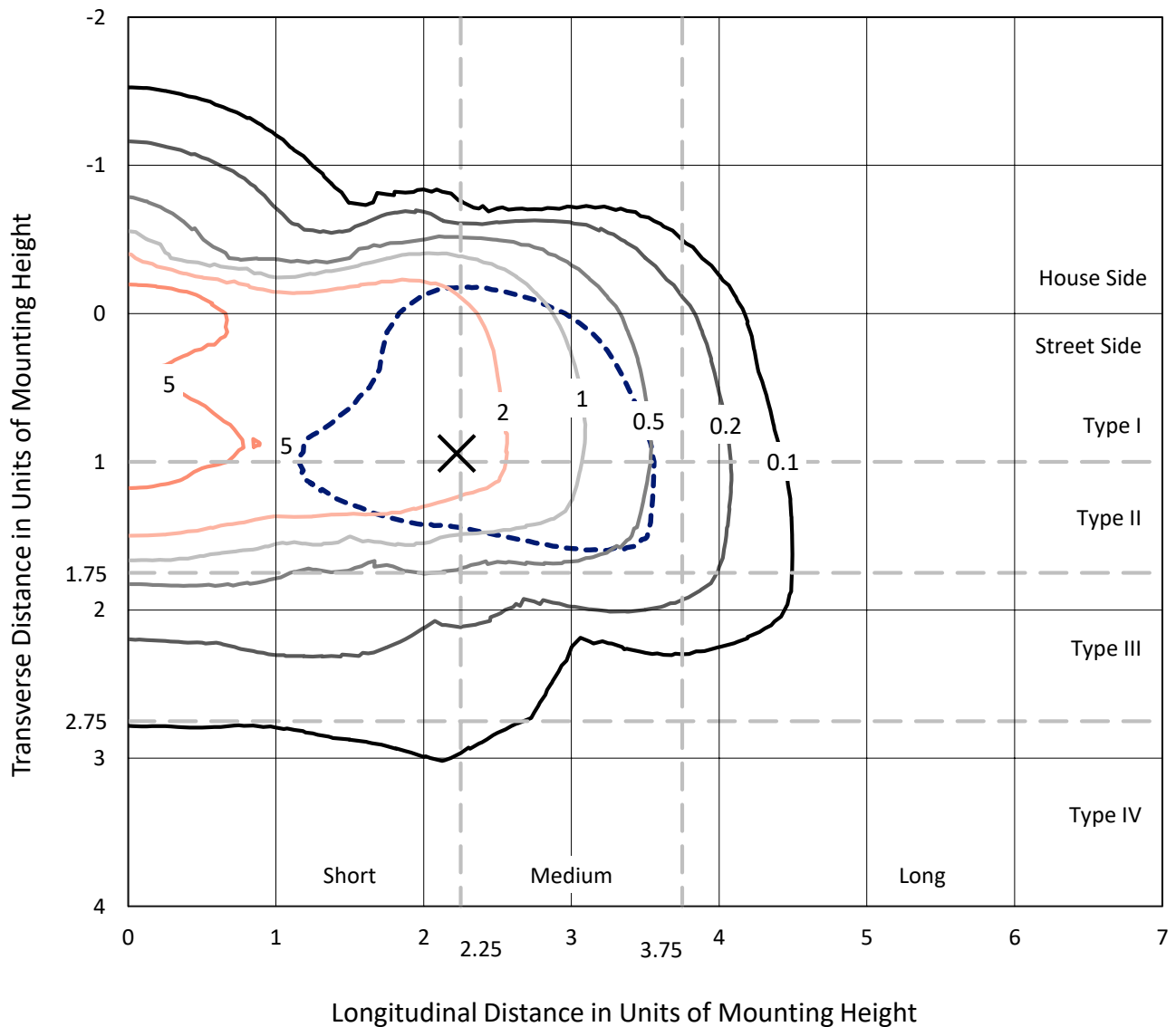
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

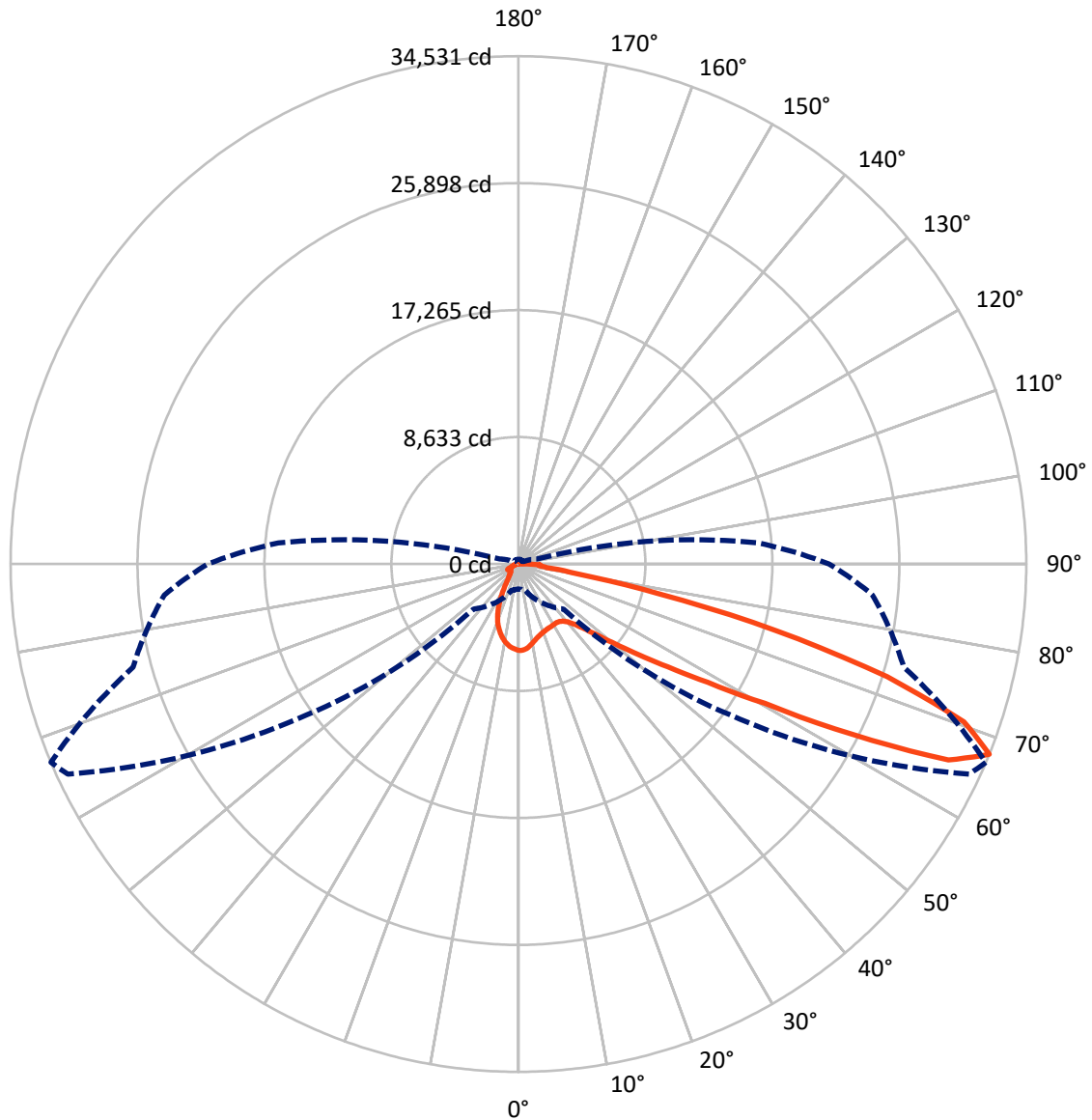
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4515.4	0.0	4515.4
	% Fixture	16.6	0.0	16.6
Street Side	Lumens	22737.1	0.0	22737.1
	% Fixture	83.4	0.0	83.4
Total	Lumens	27252.5	0.0	27252.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	501.5	1.8
10°-20°	1160.4	4.3
20°-30°	1573.0	5.8
30°-40°	2236.1	8.2
40°-50°	3741.1	13.7
50°-60°	5918.4	21.7
60°-70°	7539.5	27.7
70°-80°	3949.2	14.5
80°-90°	633.4	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°	27252.5	100.0
0°-180°	27252.5	100.0

Coefficient of Utilization



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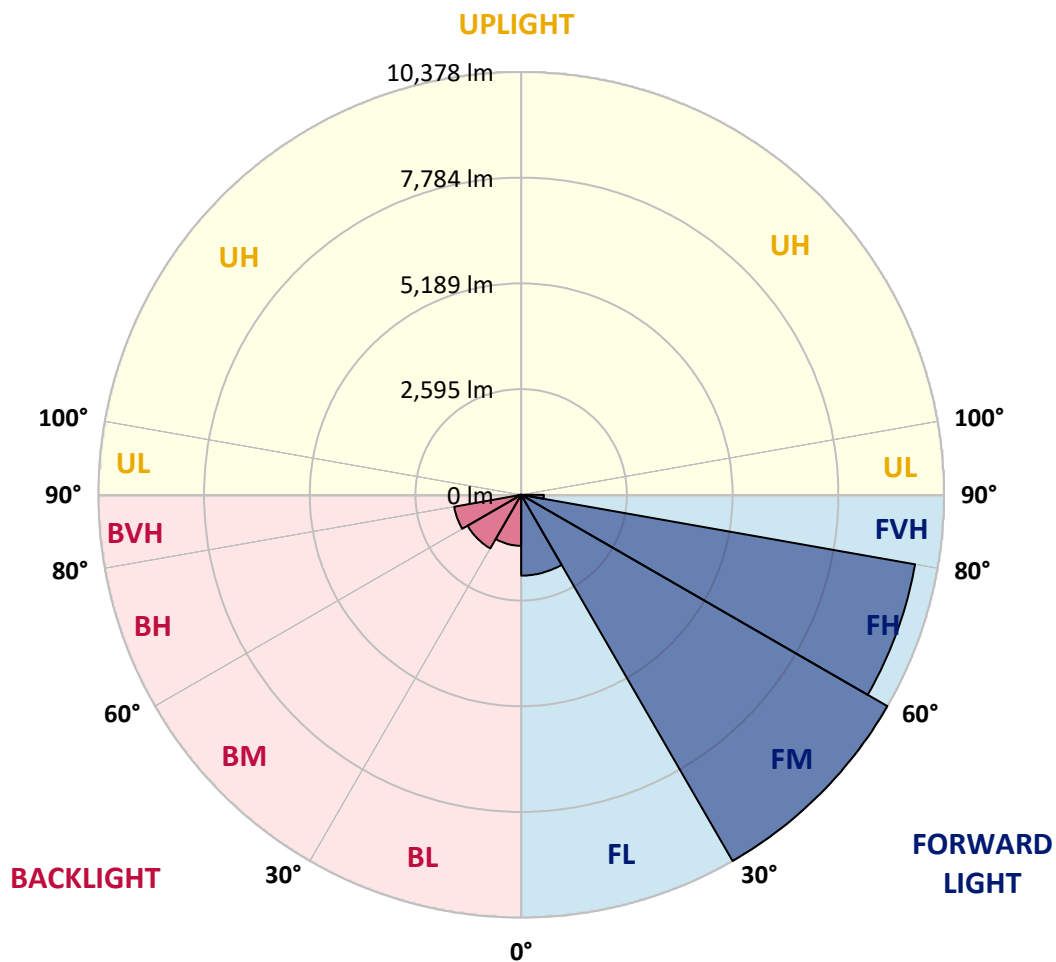
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1983.3	7.3			
FM	(30°-60°)	10378.3	38.1			
FH	(60°-80°)	9818.5	36.0			G4/12000
FVH	(80°-90°)	556.9	2.0			G4/750
BL	(0°-30°)	1251.6	4.6	B3/2500		
BM	(30°-60°)	1517.3	5.6	B2/2500		
BH	(60°-80°)	1670.1	6.1	B3/2500		G3/2500
BVH	(80°-90°)	76.4	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°	5878.2	5878.2	5878.2	5878.2	5878.2	5878.2	5878.2	5878.2	5878.2	5878.2	5878.2
2.5°	5636.3	5645.8	5675.4	5694.1	5778.8	5815.1	5840.7	5866.2	5870.3	5882.3	5870.3
5°	5045.0	5065.3	5120.3	5182.1	5346.2	5475.1	5610.9	5752.0	5777.5	5868.9	5894.4
7.5°	4586.8	4581.5	4627.1	4701.0	4869.0	5047.8	5285.6	5566.5	5621.6	5827.3	5926.7
10°	4252.2	4248.1	4296.5	4373.1	4533.0	4702.4	4971.2	5355.6	5433.5	5761.3	5957.6
12.5°	4004.9	4006.2	4054.6	4139.3	4301.9	4472.5	4745.3	5151.2	5250.7	5684.8	5989.8
15°	3840.9	3851.7	3890.6	3980.7	4139.3	4309.9	4577.4	4998.1	5109.6	5624.3	6026.0
17.5°	3785.9	3803.4	3816.8	3882.6	4018.3	4189.0	4451.1	4885.2	5003.4	5582.6	6058.4
20°	3836.8	3857.1	3831.5	3854.3	3940.3	4090.8	4351.6	4796.5	4917.4	5535.6	6062.5
22.5°	4055.9	4074.8	3999.6	3933.7	3928.3	4019.6	4269.7	4726.5	4851.5	5500.6	6063.8
25°	4441.6	4453.7	4327.4	4174.2	4025.0	3994.1	4211.8	4678.2	4811.2	5469.7	6038.2
27.5°	4914.7	4924.1	4779.0	4553.2	4253.5	4054.6	4191.7	4650.0	4788.4	5442.9	5995.3
30°	5489.9	5534.3	5339.4	5054.5	4617.8	4233.4	4232.0	4635.3	4762.8	5397.2	5910.6
32.5°	6078.5	6097.3	5963.0	5674.1	5108.2	4547.8	4344.9	4645.9	4756.2	5342.1	5803.1
35°	6675.3	6699.4	6612.1	6379.5	5778.8	5008.8	4565.3	4709.1	4797.8	5323.2	5727.8
37.5°	7447.9	7480.2	7359.2	7090.5	6594.6	5633.7	4932.2	4867.7	4925.5	5376.9	5705.0
40°	8669.6	8654.9	8301.4	7900.9	7487.0	6433.3	5456.3	5136.5	5170.0	5550.4	5774.8
42.5°	10091.5	10055.2	9446.4	8817.4	8468.0	7401.0	6149.7	5602.9	5596.0	5891.7	6020.7
45°	11225.8	11196.3	10647.9	9872.4	9592.9	8503.0	7046.1	6297.6	6247.9	6433.3	6475.0
47.5°	11839.9	11841.3	11525.4	10892.5	10885.7	9903.4	8197.9	7302.9	7216.9	7304.2	7259.8
50°	11624.8	11653.1	11619.5	11417.9	12065.7	11739.2	9701.7	8704.5	8531.2	8617.2	8446.5
52.5°	10584.7	10621.0	10820.0	11129.0	12561.6	13958.0	11911.1	10446.3	10244.7	10213.8	10024.3
55°	8740.8	8785.2	9191.1	10031.0	12149.1	15448.3	15397.3	12666.4	12345.2	12053.6	11972.9
57.5°	6024.8	6098.8	6751.9	7999.0	10814.5	15898.6	19548.6	15831.3	15178.2	14159.6	14178.3
60°	3396.1	3482.1	4252.2	5385.1	8121.4	15409.4	22707.0	20625.1	19246.2	16625.7	16765.4
62.5°	2159.7	2252.4	2837.0	3741.5	4873.1	12775.2	24001.1	27289.6	25538.5	19665.6	19802.7
65°	1748.4	1788.8	2064.2	3088.3	3538.6	7696.7	23018.6	32779.5	32126.4	23523.9	22884.3
67.5°	1706.7	1720.2	1862.7	2592.4	3393.4	4326.1	18360.6	33806.4	34530.7	27127.0	24167.7
70°	1686.6	1733.6	2099.2	2474.1	3249.6	3648.7	11033.5	30992.2	32135.8	28069.1	22459.6
72.5°	818.5	815.7	1056.3	2237.6	3660.8	3784.5	5668.7	25076.2	26223.9	24318.3	18456.1
75°	659.8	603.4	576.6	819.8	3519.7	3908.1	3612.4	17254.5	18085.1	16304.4	11345.4
77.5°	626.3	559.1	512.0	513.4	1487.7	4144.6	3060.2	9550.0	9791.9	7364.7	3108.5
80°	518.8	456.9	423.4	477.1	720.3	3947.1	3308.7	4322.1	3965.9	1808.9	1034.8
82.5°	360.1	327.9	318.5	400.4	576.6	2812.8	3847.7	2322.3	1947.3	905.8	638.4
85°	229.8	196.2	217.8	291.6	448.8	1298.2	3963.3	1810.2	1439.4	575.2	360.1
87.5°	106.2	86.0	107.5	161.2	293.0	447.5	3771.1	2033.4	1482.3	303.7	227.2
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°	5878.2	5878.2	5878.2	5878.2	5878.2	5878.2	5878.2	5878.2	5878.2	5878.2	5878.2
2.5°	5881.0	5855.4	5835.3	5797.7	5756.0	5715.7	5679.4	5633.7	5620.3	5608.2	5627.0
5°	5899.8	5874.4	5800.3	5684.8	5557.2	5437.5	5317.8	5215.7	5152.5	5117.6	5137.8
7.5°	5928.1	5891.7	5738.6	5526.3	5296.4	5086.8	4870.3	4696.9	4569.3	4508.8	4526.3
10°	5953.5	5883.7	5633.7	5315.3	4979.3	4667.4	4326.1	4043.9	3834.2	3724.0	3750.9
12.5°	5964.4	5852.8	5487.2	5051.8	4590.8	4134.0	3631.2	3209.3	2908.3	2798.0	2775.1
15°	5975.1	5817.8	5326.0	4752.1	4121.8	3475.4	2771.2	2265.8	2015.9	1960.7	1948.6
17.5°	5977.8	5757.3	5143.2	4426.8	3572.1	2691.8	1894.9	1573.8	1575.1	1663.8	1674.5
20°	5949.5	5667.3	4921.5	4022.4	2913.6	1861.3	1301.0	1245.8	1448.8	1670.5	1697.4
22.5°	5885.0	5547.7	4670.1	3550.6	2159.7	1225.7	1006.6	1067.0	1329.1	1600.6	1631.6
25°	5803.1	5402.6	4373.1	3003.6	1429.9	876.3	844.0	917.9	1095.4	1276.7	1294.1
27.5°	5691.6	5230.6	4039.9	2377.4	928.6	721.6	743.2	792.9	865.5	946.0	954.2
30°	5547.7	5025.0	3683.6	1733.6	701.6	649.1	680.0	706.9	737.8	783.5	787.5
32.5°	5382.4	4827.4	3318.1	1197.5	622.2	611.6	635.7	649.1	673.2	701.6	704.1
35°	5244.0	4639.2	2939.2	846.6	588.7	583.2	599.4	604.8	627.5	658.5	661.2
37.5°	5164.6	4485.9	2548.0	682.8	565.8	557.8	567.2	567.2	599.4	645.0	651.8
40°	5170.0	4401.3	2157.0	616.9	547.0	536.3	537.5	537.5	579.2	629.0	632.9
42.5°	5316.5	4422.9	1810.2	591.3	532.2	520.1	513.4	517.5	552.3	584.6	587.3
45°	5660.6	4574.6	1485.1	575.2	517.5	513.4	498.6	497.2	510.7	525.4	525.4
47.5°	6225.0	4874.4	1264.6	564.5	505.4	504.0	486.5	469.0	467.6	473.1	473.1
50°	7143.0	5390.5	1116.8	552.3	497.2	486.5	466.3	439.4	430.1	434.1	434.1
52.5°	8519.1	6311.1	1060.4	536.3	479.7	462.2	439.4	412.6	404.5	405.9	405.9
55°	10324.0	7724.8	1052.2	517.5	461.0	432.7	413.9	393.8	384.4	387.0	387.0
57.5°	12529.5	9680.3	1196.1	487.9	435.4	403.1	392.5	379.0	372.2	376.3	375.0
60°	15210.5	12239.1	1774.0	456.9	409.9	376.3	376.3	365.6	360.1	364.2	362.8
62.5°	18298.8	15178.2	2494.3	434.1	383.1	354.8	360.1	354.8	349.4	352.2	350.7
65°	21037.8	17093.3	2335.8	416.6	356.1	334.7	344.0	341.3	337.3	340.1	338.7
67.5°	21117.0	16383.8	1311.6	397.8	330.6	314.4	327.9	326.5	323.9	326.5	325.3
70°	18845.8	13834.3	739.1	362.8	303.7	290.3	309.1	307.8	305.1	310.4	309.1
72.5°	15099.0	10039.1	540.3	319.8	276.9	264.7	286.3	284.9	284.9	293.0	289.0
75°	8688.4	5166.0	431.3	274.1	248.7	239.2	258.1	259.4	262.1	272.8	264.7
77.5°	2476.8	1610.1	352.2	232.5	213.7	209.7	228.5	231.2	232.5	244.6	233.9
80°	920.6	741.9	290.3	194.9	174.7	176.0	193.5	197.5	198.9	211.0	197.5
82.5°	587.3	489.2	235.2	150.6	137.1	135.7	157.3	162.6	162.6	164.0	155.9
85°	342.7	293.0	177.4	108.8	96.8	92.8	116.9	126.3	122.3	119.6	114.2
87.5°	229.8	201.6	108.8	60.5	52.5	49.7	68.5	75.3	72.5	68.5	64.5
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)