

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: P192814

Luminaire Tested: **GAN-AF-06-LED-U-SL2-7030-600-ADJ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P192814
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-SL2-7030-600-ADJ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 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: 22224.4 lumens
Efficiency: N/A
Efficacy: 115.2 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): 193
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

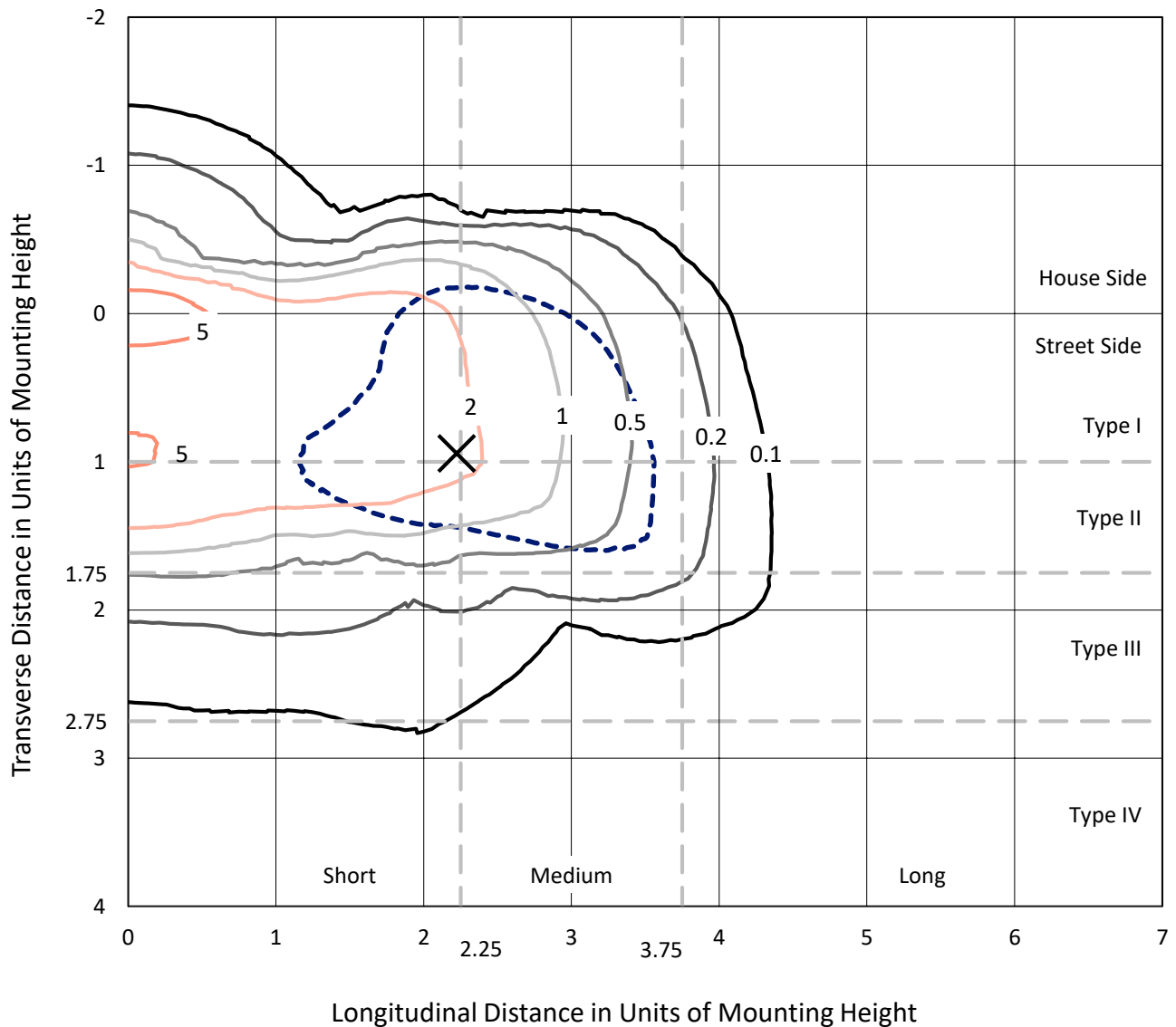


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

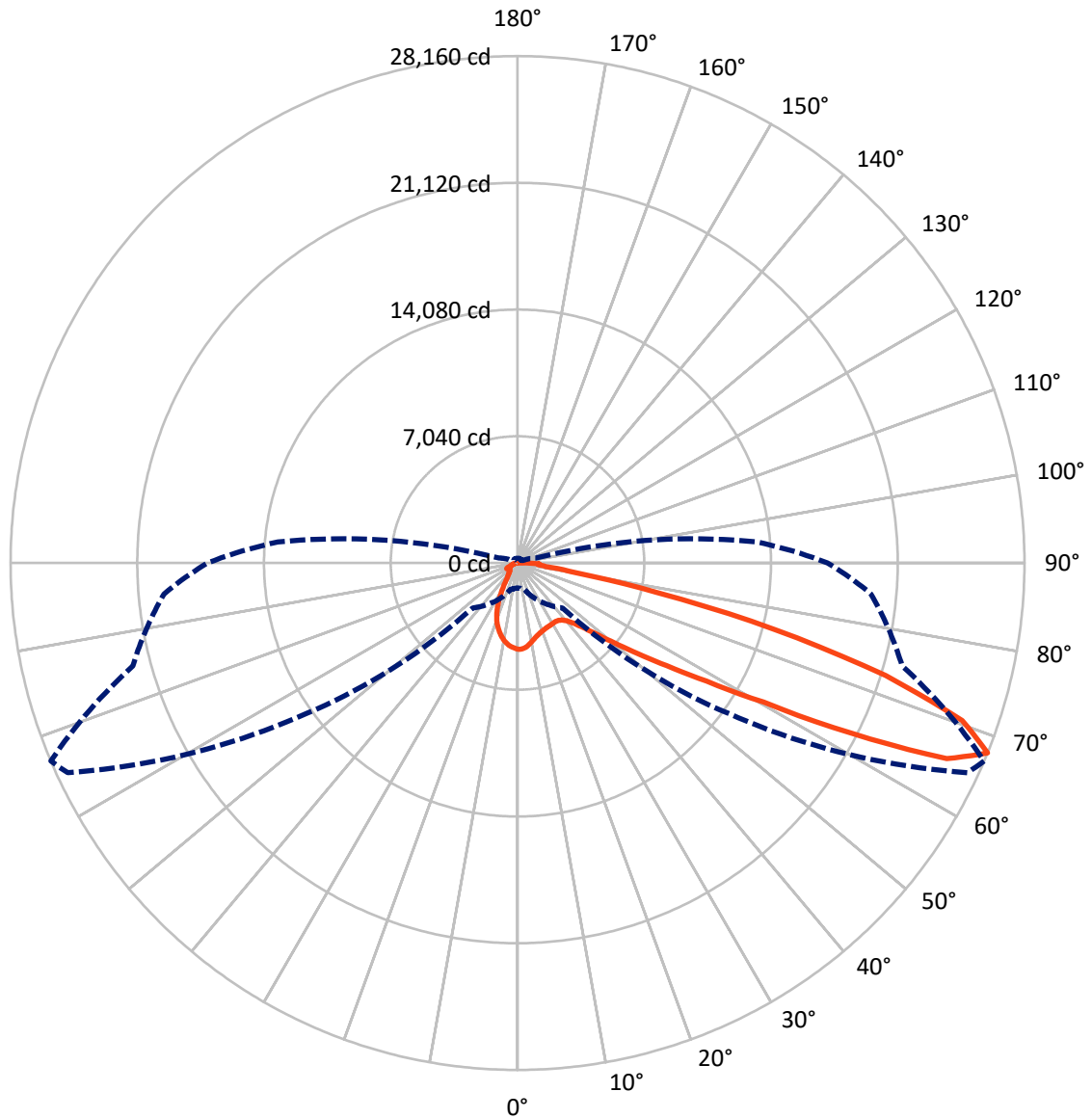


Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
 Type II - Short - Semi-Cutoff

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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	3682.4	0.0	3682.4
	% Fixture	16.6	0.0	16.6
Street Side	Lumens	18542.1	0.0	18542.1
	% Fixture	83.4	0.0	83.4
Total	Lumens	22224.4	0.0	22224.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	409.0	1.8
10°-20°	946.3	4.3
20°-30°	1282.7	5.8
30°-40°	1823.6	8.2
40°-50°	3050.9	13.7
50°-60°	4826.5	21.7
60°-70°	6148.4	27.7
70°-80°	3220.5	14.5
80°-90°	516.5	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°	22224.4	100.0
0°-180°	22224.4	100.0

Coefficient of Utilization



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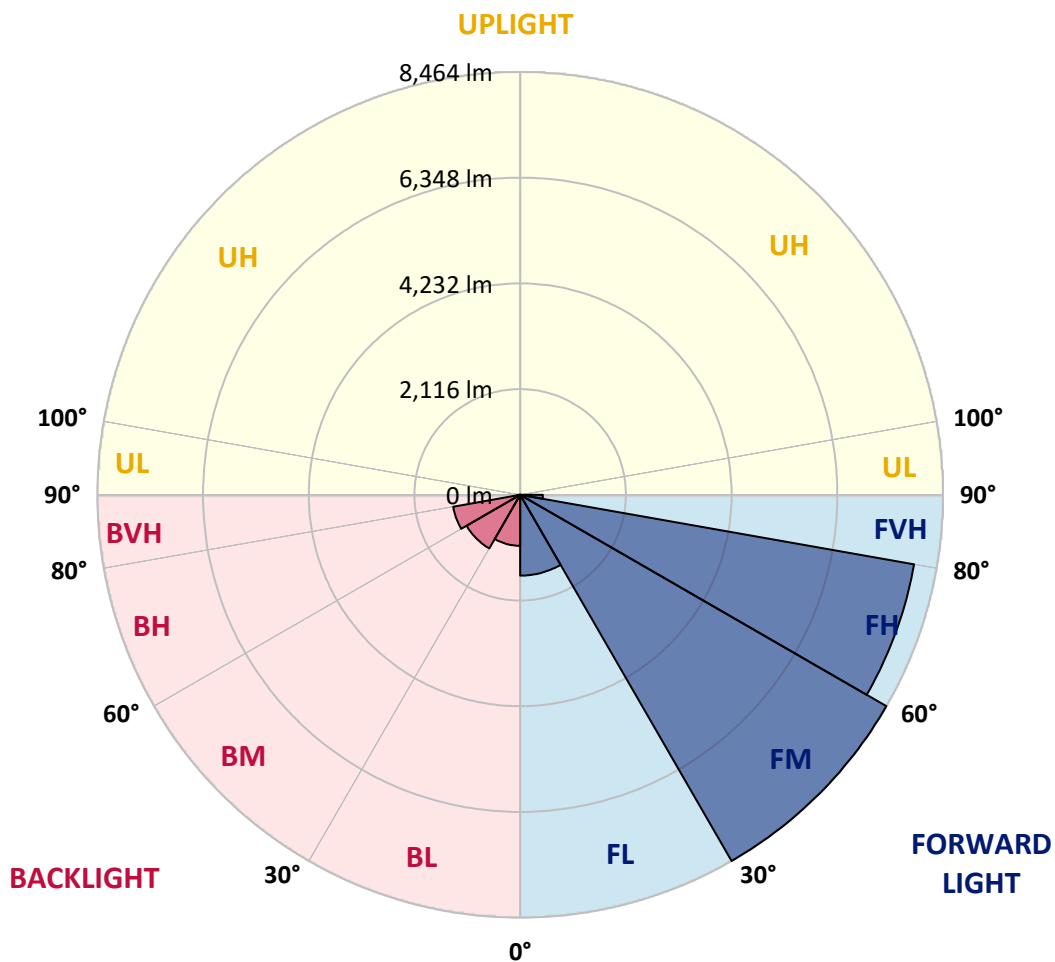
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1617.4	7.3			
FM (30°-60°)	8463.5	38.1			
FH (60°-80°)	8007.0	36.0			G4/12000
FVH (80°-90°)	454.2	2.0			G3/500
BL (0°-30°)	1020.6	4.6	B3/2500		
BM (30°-60°)	1237.4	5.6	B2/2500		
BH (60°-80°)	1362.0	6.1	B3/2500		G3/2500
BVH (80°-90°)	62.3	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°	4793.8	4793.8	4793.8	4793.8	4793.8	4793.8	4793.8	4793.8	4793.8	4793.8	4793.8
2.5°	4596.4	4604.1	4628.2	4643.6	4712.7	4742.3	4763.0	4783.9	4787.2	4797.0	4787.2
5°	4114.2	4130.6	4175.7	4226.0	4359.8	4465.0	4575.7	4690.7	4711.6	4786.1	4806.9
7.5°	3740.5	3736.1	3773.4	3833.7	3970.7	4116.5	4310.4	4539.5	4584.4	4752.1	4833.2
10°	3467.7	3464.4	3503.8	3566.2	3696.7	3834.8	4053.9	4367.4	4431.0	4698.3	4858.4
12.5°	3266.0	3267.1	3306.5	3375.6	3508.2	3647.4	3869.9	4200.8	4282.0	4636.0	4884.8
15°	3132.3	3140.9	3172.8	3246.2	3375.6	3514.8	3732.9	4075.9	4166.8	4586.6	4914.3
17.5°	3087.3	3101.6	3112.6	3166.3	3276.9	3416.1	3629.8	3983.8	4080.3	4552.7	4940.6
20°	3128.9	3145.5	3124.6	3143.3	3213.5	3336.1	3548.7	3911.5	4010.2	4514.3	4943.9
22.5°	3307.6	3323.0	3261.6	3207.9	3203.5	3278.0	3481.9	3854.5	3956.4	4485.7	4945.0
25°	3622.2	3632.0	3529.0	3404.1	3282.3	3257.2	3434.8	3815.0	3923.6	4460.6	4924.2
27.5°	4007.9	4015.6	3897.3	3713.1	3468.8	3306.5	3418.2	3792.1	3904.9	4438.6	4889.2
30°	4477.0	4513.2	4354.3	4122.0	3765.7	3452.3	3451.2	3780.0	3884.0	4401.4	4820.1
32.5°	4957.1	4972.4	4862.8	4627.1	4165.7	3708.7	3543.3	3788.8	3878.6	4356.5	4732.3
35°	5443.7	5463.4	5392.2	5202.6	4712.7	4084.6	3723.0	3840.3	3912.6	4341.1	4671.1
37.5°	6073.8	6100.2	6001.5	5782.3	5377.8	4594.3	4022.2	3969.6	4016.7	4385.0	4652.4
40°	7070.0	7058.0	6769.8	6443.2	6105.6	5246.4	4449.6	4188.8	4216.2	4526.4	4709.4
42.5°	8229.6	8200.0	7703.6	7190.7	6905.7	6035.5	5015.1	4569.1	4563.6	4804.6	4909.9
45°	9154.7	9130.5	8683.4	8051.0	7823.0	6934.1	5746.2	5135.7	5095.2	5246.4	5280.4
47.5°	9655.5	9656.6	9399.0	8882.8	8877.4	8076.2	6685.3	5955.5	5885.4	5956.6	5920.4
50°	9480.1	9503.2	9475.7	9311.3	9839.6	9573.3	7911.8	7098.6	6957.2	7027.3	6888.1
52.5°	8631.8	8661.4	8823.7	9075.7	10244.0	11382.7	9713.5	8519.0	8354.5	8329.4	8174.8
55°	7128.2	7164.3	7495.3	8180.2	9907.5	12598.1	12556.5	10329.5	10067.5	9829.7	9764.0
57.5°	4913.2	4973.5	5506.1	6523.3	8819.2	12965.2	15941.9	12910.5	12377.9	11547.1	11562.5
60°	2769.5	2839.6	3467.7	4391.5	6623.0	12566.4	18517.5	16819.8	15695.3	13558.2	13672.1
62.5°	1761.3	1836.8	2313.6	3051.2	3974.0	10418.2	19572.8	22254.7	20826.7	16037.3	16149.1
65°	1425.9	1458.7	1683.3	2518.5	2885.6	6276.6	18771.8	26731.7	26199.1	19183.7	18662.1
67.5°	1391.9	1402.9	1519.0	2114.1	2767.3	3527.9	14973.1	27569.1	28159.7	22122.0	19708.7
70°	1375.5	1413.9	1711.9	2017.7	2650.1	2975.5	8997.8	25274.1	26206.7	22890.4	18315.7
72.5°	667.5	665.3	861.4	1824.7	2985.4	3086.2	4622.8	20449.6	21385.6	19831.5	15050.9
75°	538.1	492.1	470.2	668.5	2870.3	3187.1	2945.9	14071.1	14748.4	13296.3	9252.2
77.5°	510.7	455.9	417.6	418.7	1213.3	3379.9	2495.5	7787.9	7985.2	6005.9	2535.0
80°	423.1	372.6	345.3	389.1	587.5	3218.9	2698.2	3524.6	3234.2	1475.2	843.9
82.5°	293.7	267.4	259.7	326.5	470.2	2293.9	3137.7	1893.8	1588.1	738.7	520.6
85°	187.4	160.1	177.5	237.8	366.0	1058.7	3232.0	1476.3	1173.8	469.0	293.7
87.5°	86.6	70.2	87.6	131.5	239.0	364.9	3075.3	1658.2	1208.9	247.7	185.2
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°	4793.8	4793.8	4793.8	4793.8	4793.8	4793.8	4793.8	4793.8	4793.8	4793.8	4793.8
2.5°	4795.9	4775.1	4758.7	4727.9	4694.0	4661.1	4631.5	4594.3	4583.3	4573.5	4588.8
5°	4811.3	4790.5	4730.2	4636.0	4531.8	4434.3	4336.7	4253.5	4201.9	4173.4	4189.9
7.5°	4834.2	4804.6	4679.8	4506.6	4319.2	4148.2	3971.8	3830.4	3726.3	3677.0	3691.3
10°	4855.2	4798.1	4594.3	4334.6	4060.5	3806.3	3527.9	3297.8	3126.8	3037.0	3058.8
12.5°	4863.9	4772.9	4474.8	4119.7	3743.8	3371.2	2961.3	2617.2	2371.7	2281.8	2263.2
15°	4872.6	4744.5	4343.3	3875.3	3361.4	2834.1	2259.9	1847.8	1644.0	1599.0	1589.1
17.5°	4874.8	4695.1	4194.3	3610.2	2913.1	2195.2	1545.4	1283.4	1284.5	1356.8	1365.5
20°	4851.8	4621.6	4013.4	3280.2	2376.1	1517.9	1060.9	1016.0	1181.4	1362.3	1384.2
22.5°	4799.2	4524.1	3808.4	2895.6	1761.3	999.5	820.9	870.2	1084.0	1305.3	1330.4
25°	4732.3	4405.8	3566.2	2449.5	1166.2	714.5	688.3	748.5	893.2	1041.1	1055.5
27.5°	4641.5	4265.5	3294.5	1938.8	757.2	588.6	606.1	646.6	705.9	771.6	778.2
30°	4524.1	4097.8	3004.1	1413.9	572.1	529.4	554.6	576.5	601.7	638.9	642.2
32.5°	4389.4	3936.7	2706.0	976.6	507.4	498.7	518.4	529.4	549.0	572.1	574.2
35°	4276.4	3783.3	2396.9	690.4	480.0	475.6	488.8	493.2	511.8	537.0	539.2
37.5°	4211.8	3658.3	2078.0	556.7	461.4	454.8	462.5	462.5	488.8	526.1	531.5
40°	4216.2	3589.2	1759.1	503.0	446.1	437.2	438.3	438.3	472.3	512.9	516.2
42.5°	4335.6	3606.8	1476.3	482.3	434.0	424.2	418.7	422.0	450.4	476.7	478.9
45°	4616.2	3730.6	1211.0	469.0	422.0	418.7	406.6	405.5	416.5	428.6	428.6
47.5°	5076.5	3975.1	1031.3	460.3	412.1	411.1	396.7	382.5	381.5	385.8	385.8
50°	5825.0	4395.9	910.7	450.4	405.5	396.7	380.3	358.4	350.7	354.0	354.0
52.5°	6947.4	5146.6	864.7	437.2	391.2	377.1	358.4	336.4	329.9	330.9	330.9
55°	8419.2	6299.6	858.1	422.0	376.0	352.9	337.6	321.1	313.5	315.6	315.6
57.5°	10217.7	7894.2	975.3	397.8	355.1	328.8	320.0	309.1	303.6	306.9	305.8
60°	12404.1	9981.0	1446.7	372.6	334.3	306.9	306.9	298.1	293.7	296.9	295.9
62.5°	14922.6	12377.9	2034.1	354.0	312.4	289.3	293.7	289.3	284.9	287.2	286.0
65°	17156.2	13939.7	1904.8	339.8	290.4	272.9	280.6	278.4	275.2	277.3	276.2
67.5°	17220.9	13360.9	1069.6	324.4	269.7	256.4	267.4	266.4	264.1	266.4	265.2
70°	15368.7	11281.9	602.8	295.9	247.7	236.8	252.1	251.0	248.8	253.2	252.1
72.5°	12313.2	8186.9	440.6	260.8	225.7	215.9	233.5	232.4	232.4	239.0	235.7
75°	7085.5	4212.9	351.9	223.6	202.7	195.0	210.5	211.5	213.7	222.5	215.9
77.5°	2019.8	1313.0	287.2	189.6	174.3	171.0	186.3	188.5	189.6	199.5	190.6
80°	750.7	605.0	236.8	158.9	142.5	143.5	157.8	161.1	162.2	172.1	161.1
82.5°	478.9	398.9	191.7	122.7	111.8	110.7	128.3	132.6	132.6	133.8	127.2
85°	279.4	239.0	144.7	88.8	78.8	75.6	95.4	103.0	99.8	97.6	93.2
87.5°	187.4	164.4	88.8	49.2	42.7	40.5	55.9	61.4	59.2	55.9	52.6
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)