

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: P322860

Luminaire Tested: **GAN-SA6D-730-U-T4W-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322860
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-19)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6D-730-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30631 lumens
Efficiency: N/A
Efficacy: 80.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

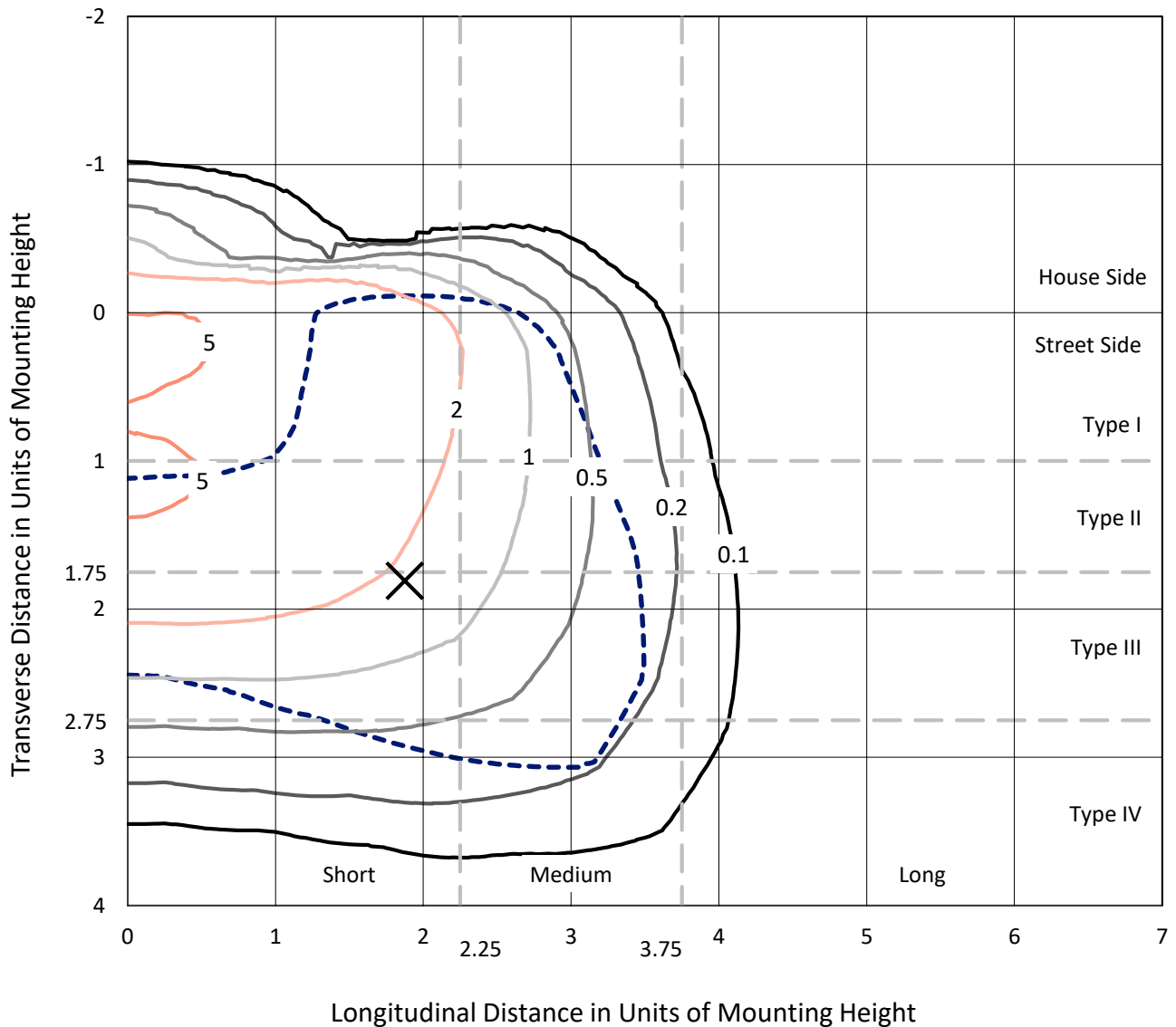
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P322860
 CATALOG NUMBER: GAN-SA6D-730-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

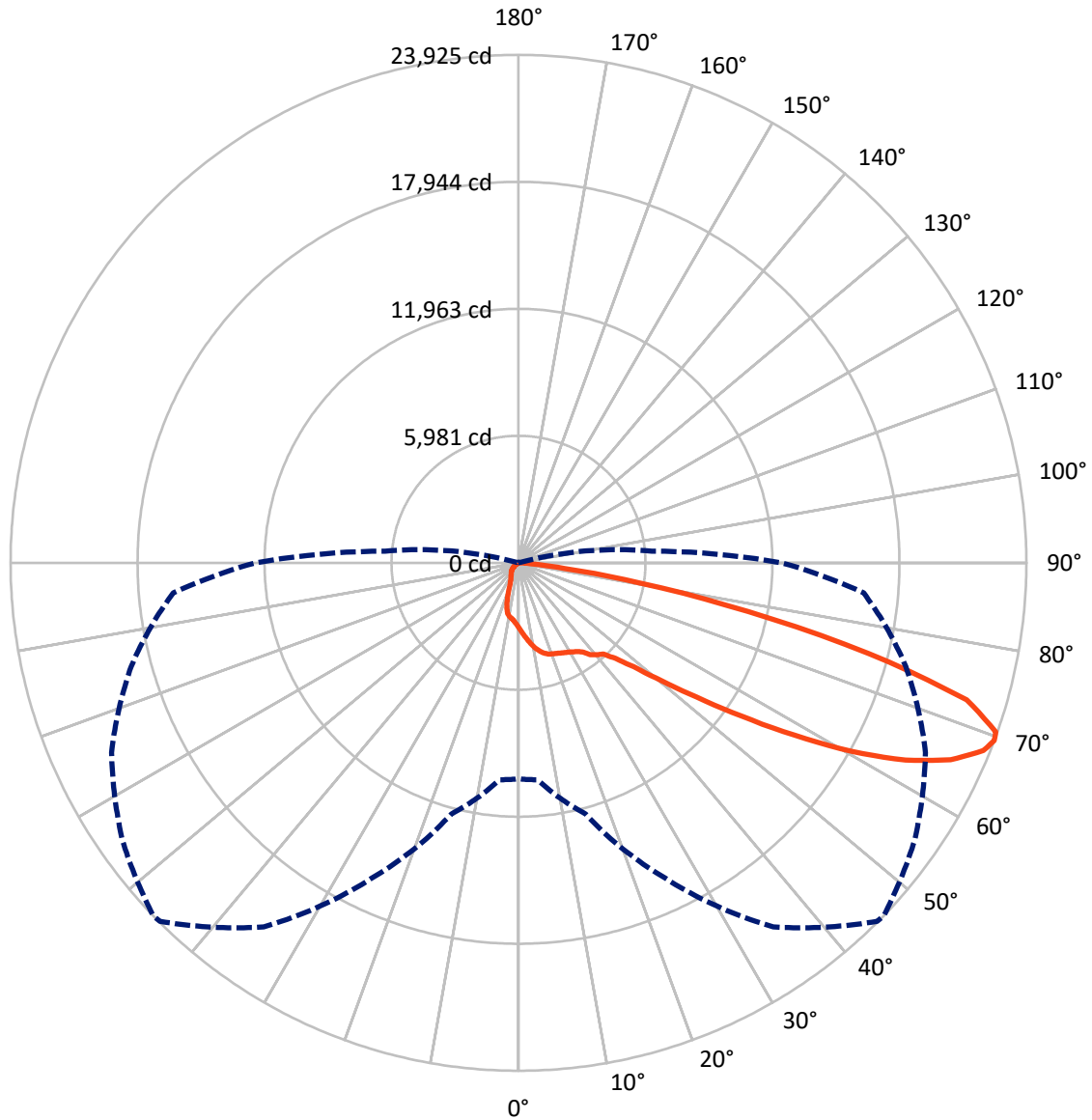
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
 Type IV - Short - N/A

REPORT NUMBER: P322860
CATALOG NUMBER: GAN-SA6D-730-U-T4W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P322860
 CATALOG NUMBER: GAN-SA6D-730-U-T4W-HSS

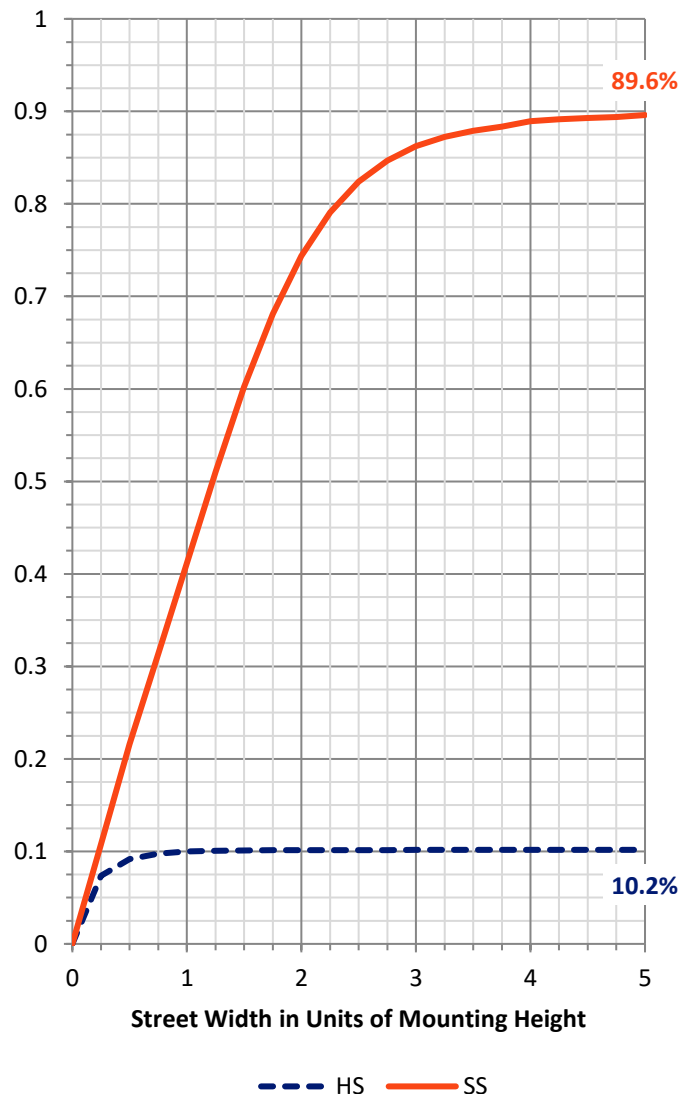
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3143.6	0.0	3143.6
	% Fixture	10.3	0.0	10.3
Street Side	Lumens	27487.4	0.0	27487.4
	% Fixture	89.7	0.0	89.7
Total	Lumens	30631.0	0.0	30631.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	305.5	1.0
10°-20°	926.8	3.0
20°-30°	1457.5	4.8
30°-40°	2090.0	6.8
40°-50°	3612.4	11.8
50°-60°	7136.6	23.3
60°-70°	9974.0	32.6
70°-80°	4818.5	15.7
80°-90°	309.7	1.0
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°	30631.0	100.0
0°-180°	30631.0	100.0

Coefficient of Utilization

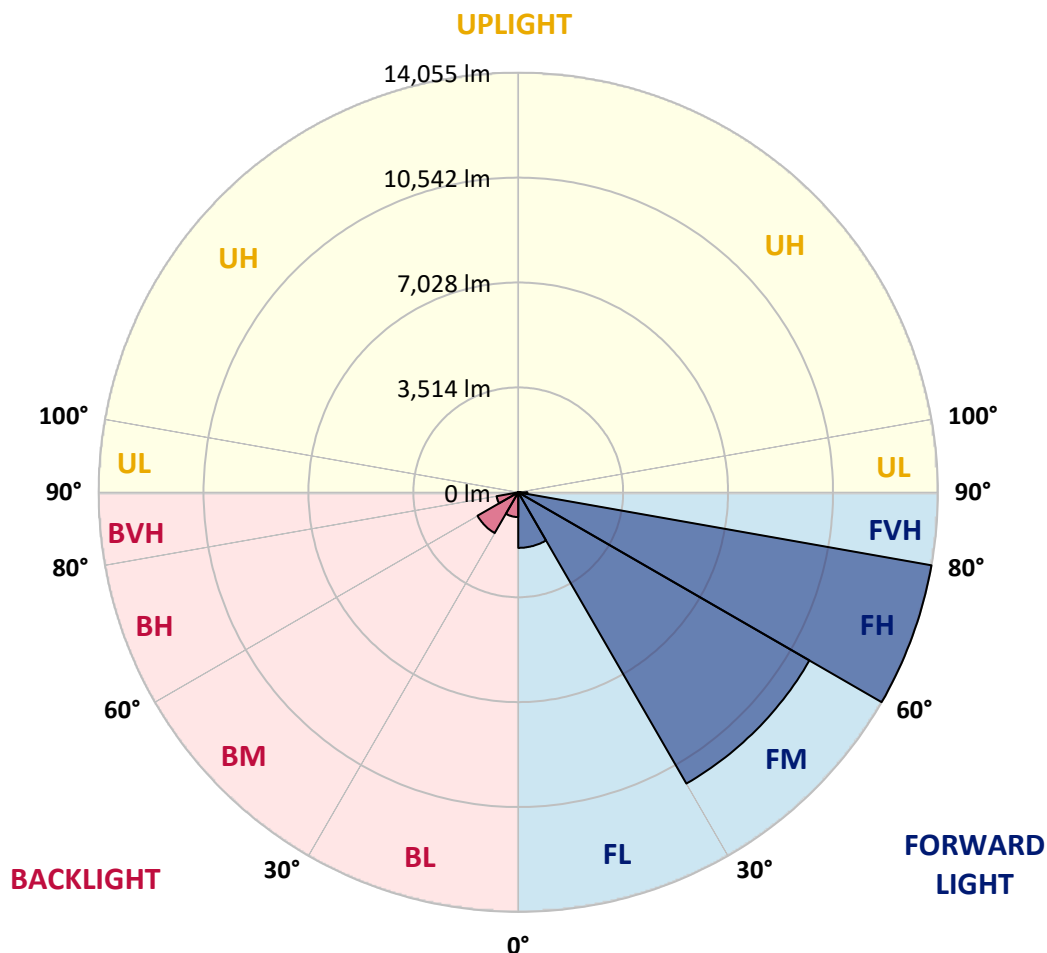


REPORT NUMBER: P322860
 CATALOG NUMBER: GAN-SA6D-730-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1861.2	6.1			
FM (30°-60°)	11263.7	36.8			
FH (60°-80°)	14055.4	45.9			G5
FVH (80°-90°)	307.1	1.0			G3/500
BL (0°-30°)	828.5	2.7	B2/1000		
BM (30°-60°)	1575.3	5.1	B2/2500		
BH (60°-80°)	737.1	2.4	B2/1000		G2/1000
BVH (80°-90°)	2.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G5
 Type IV Short





REPORT NUMBER: P322860

CATALOG NUMBER: GAN-SA6D-730-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	3069.1	3069.1	3069.1	3069.1	3069.1	3069.1	3069.1	3069.1	3069.1	3069.1	3069.1
2.5°	3409.5	3405.2	3385.1	3376.5	3327.6	3298.9	3287.4	3251.5	3199.8	3148.1	3090.7
5°	3797.3	3795.8	3758.5	3722.6	3630.7	3544.5	3528.7	3445.4	3329.1	3219.9	3110.8
7.5°	4193.6	4175.0	4137.6	4068.7	3935.1	3797.3	3784.3	3666.6	3501.4	3343.4	3186.9
10°	4529.7	4518.2	4469.4	4364.5	4208.0	4051.5	4035.7	3890.6	3703.9	3510.0	3310.4
12.5°	4791.1	4782.5	4717.8	4587.2	4420.6	4258.3	4236.7	4107.5	3907.8	3691.0	3455.4
15°	4950.5	4946.2	4867.2	4727.9	4564.2	4423.4	4404.8	4291.3	4106.0	3879.1	3613.4
17.5°	4987.8	4989.3	4907.4	4766.7	4631.7	4531.1	4516.8	4430.6	4275.5	4050.0	3771.4
20°	4904.5	4921.8	4848.5	4726.5	4643.2	4590.0	4578.5	4526.8	4396.1	4183.6	3897.8
22.5°	4786.8	4795.4	4745.1	4663.3	4628.8	4638.9	4633.1	4604.4	4493.8	4298.5	4022.7
25°	4715.0	4715.0	4684.8	4615.9	4638.9	4700.6	4702.0	4696.3	4608.7	4439.2	4175.0
27.5°	4712.1	4703.5	4669.0	4617.3	4680.5	4775.3	4781.0	4819.8	4765.2	4610.1	4364.5
30°	4827.0	4816.9	4743.7	4676.2	4756.6	4858.6	4873.0	4957.7	4930.4	4795.4	4575.7
32.5°	5095.6	5059.7	4897.4	4786.8	4847.1	4969.2	4987.8	5122.8	5165.9	5023.7	4779.6
35°	5463.2	5349.8	5115.7	4996.5	5002.2	5130.0	5147.3	5345.5	5473.3	5233.4	4937.6
37.5°	5970.2	5914.2	5533.6	5214.8	5240.6	5434.5	5484.8	5700.2	5664.3	5348.3	5117.1
40°	7081.8	6994.2	6589.2	5826.6	5469.0	5681.5	5697.3	5812.2	5815.1	5608.3	5490.5
42.5°	8595.5	8559.6	8133.1	6936.7	5918.5	5846.7	5875.4	6069.3	6286.1	6156.9	6151.1
45°	10271.5	10252.9	9800.5	8410.3	6827.6	6388.1	6424.0	6684.0	7099.0	7127.7	7310.1
47.5°	11620.1	11611.5	11351.5	10054.7	8219.2	7305.8	7317.3	7593.1	8322.6	8683.1	8974.7
50°	12849.5	12891.1	12685.8	11834.1	10115.0	8743.4	8716.2	8900.0	10071.9	10662.2	11024.1
52.5°	14558.5	14617.4	14041.5	13494.3	12104.1	10527.2	10505.6	10698.1	12174.5	12616.8	12681.4
55°	16068.0	15967.4	15512.2	15354.2	14529.8	12730.3	12724.5	12894.0	14208.1	14396.2	14515.4
57.5°	16734.3	16695.6	16915.3	17277.2	17070.4	15334.1	15321.1	15191.9	16027.7	16047.8	16414.1
60°	17155.1	17202.5	17876.1	18992.0	19507.6	18136.1	18052.8	17264.3	17765.5	17721.0	18113.1
62.5°	16839.2	16932.5	18144.7	20004.5	21331.5	20581.9	20464.1	19162.9	19250.5	19096.9	19461.6
65°	15161.7	15306.8	17293.0	19813.5	22236.3	22493.4	22374.2	20838.9	20429.6	20176.9	19974.4
67.5°	12310.9	12397.1	14470.9	18151.8	21828.5	23633.7	23609.3	22308.1	21320.1	19994.5	18423.3
69°	10173.9	10258.6	12254.9	16402.6	20930.9	23877.9	23925.3	22779.2	21150.6	18885.7	16323.6
70°	8617.1	8707.5	10567.4	14903.2	19889.6	23764.4	23849.2	22734.7	20665.2	17601.8	14481.0
72.5°	4519.7	4597.2	6505.9	10267.2	16214.4	21821.3	22078.4	20813.1	17517.1	12783.4	8562.5
75°	1420.4	1464.9	2540.6	5367.0	11101.7	16967.0	17025.9	16326.5	12438.7	7031.5	3566.0
77.5°	541.4	528.5	845.9	1977.6	5612.6	10683.7	11044.2	10202.6	6527.4	2486.0	822.9
80°	291.5	293.0	439.5	818.6	2401.3	5490.5	5795.0	4944.8	2319.4	775.5	189.6
82.5°	126.4	132.1	247.0	433.7	1103.0	2025.0	2177.2	1812.5	886.1	521.3	70.4
85°	27.3	30.2	119.2	235.5	449.5	568.7	596.0	587.4	564.4	405.0	27.3
87.5°	0.0	0.0	53.1	84.7	113.5	129.3	113.5	147.9	311.7	272.9	14.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P322860

CATALOG NUMBER: GAN-SA6D-730-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3069.1	3069.1	3069.1	3069.1	3069.1	3069.1	3069.1	3069.1	3069.1	3069.1	3069.1
2.5°	3072.0	3046.1	3001.6	2952.8	2918.3	2882.4	2853.7	2840.8	2826.4	2816.3	2829.3
5°	3066.2	3016.0	2929.8	2846.5	2786.2	2737.4	2697.1	2681.3	2665.5	2654.1	2652.6
7.5°	3116.5	3046.1	2914.0	2791.9	2698.6	2632.5	2577.9	2555.0	2536.3	2527.7	2520.5
10°	3212.7	3122.3	2945.6	2786.2	2665.5	2553.5	2435.8	2345.3	2286.4	2259.1	2249.1
12.5°	3337.7	3224.2	3005.9	2816.3	2641.1	2425.7	2175.8	1960.4	1821.1	1775.1	1747.8
15°	3484.2	3343.4	3084.9	2855.1	2552.1	2158.6	1734.9	1453.4	1324.2	1298.3	1269.6
17.5°	3624.9	3469.8	3179.7	2862.3	2356.8	1724.8	1271.0	1080.0	1029.7	1047.0	1051.3
20°	3748.4	3594.8	3273.0	2799.1	2002.0	1294.0	983.8	936.4	955.1	988.1	993.8
22.5°	3873.4	3715.4	3359.2	2632.5	1548.2	982.3	886.1	897.6	916.3	949.3	955.1
25°	4025.6	3861.9	3439.6	2326.6	1161.9	835.9	841.6	858.8	877.5	907.7	910.5
27.5°	4200.8	4047.1	3492.8	1928.8	861.7	768.4	787.0	812.9	831.5	860.3	866.0
30°	4433.5	4291.3	3510.0	1516.6	722.4	708.0	716.7	748.2	775.5	801.4	805.7
32.5°	4651.8	4532.6	3452.6	1144.6	669.3	652.0	652.0	670.7	702.3	726.7	732.5
35°	4852.8	4775.3	3268.7	837.3	629.0	600.3	586.0	586.0	606.1	626.2	631.9
37.5°	5118.5	5115.7	2971.5	667.8	590.3	557.2	527.1	504.1	496.9	501.2	504.1
40°	5573.8	5578.1	2583.7	598.9	557.2	512.7	466.8	425.1	386.3	373.4	372.0
42.5°	6284.7	6220.1	2177.2	565.9	528.5	466.8	397.8	341.8	281.5	262.8	261.4
45°	7413.5	7030.1	1746.4	535.7	498.4	415.1	328.9	252.8	203.9	189.6	189.6
47.5°	9058.0	8094.3	1352.9	502.7	458.1	356.2	248.5	182.4	149.4	142.2	143.6
50°	10758.4	9137.0	1036.9	461.0	409.3	294.4	183.8	132.1	113.5	113.5	114.9
52.5°	12266.4	9901.0	808.6	416.5	349.0	231.2	139.3	103.4	94.8	93.4	94.8
55°	13678.2	10393.6	619.0	364.8	277.2	172.3	106.3	84.7	79.0	76.1	74.7
57.5°	15039.7	10637.8	463.9	294.4	201.1	124.9	84.7	71.8	66.1	61.8	60.3
60°	15945.9	10439.6	318.8	216.9	139.3	90.5	70.4	61.8	54.6	50.3	48.8
62.5°	16457.2	9898.1	205.4	156.5	99.1	67.5	56.0	51.7	41.6	37.3	37.3
65°	16250.4	9004.8	143.6	112.0	71.8	50.3	41.6	41.6	30.2	24.4	23.0
67.5°	14400.6	7607.4	109.1	83.3	51.7	37.3	31.6	35.9	18.7	11.5	11.5
69°	12389.9	6304.8	93.4	68.9	43.1	30.2	27.3	33.0	12.9	8.6	7.2
70°	10768.5	5438.8	84.7	60.3	35.9	25.9	24.4	31.6	12.9	7.2	5.7
72.5°	6442.7	3033.2	64.6	43.1	23.0	20.1	20.1	35.9	12.9	7.2	5.7
75°	2603.8	1068.5	47.4	30.2	17.2	17.2	24.4	46.0	11.5	5.7	4.3
77.5°	590.3	234.1	27.3	18.7	11.5	17.2	28.7	35.9	7.2	2.9	0.0
80°	143.6	57.4	17.2	11.5	7.2	12.9	21.5	20.1	1.4	0.0	0.0
82.5°	47.4	20.1	7.2	5.7	1.4	4.3	10.1	5.7	0.0	0.0	0.0
85°	20.1	11.5	2.9	1.4	0.0	0.0	1.4	0.0	0.0	0.0	0.0
87.5°	12.9	4.3	0.0	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)