

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: P323800

Luminaire Tested: **GAN-SA6B-730-U-SL4-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323800
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-730-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25262 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

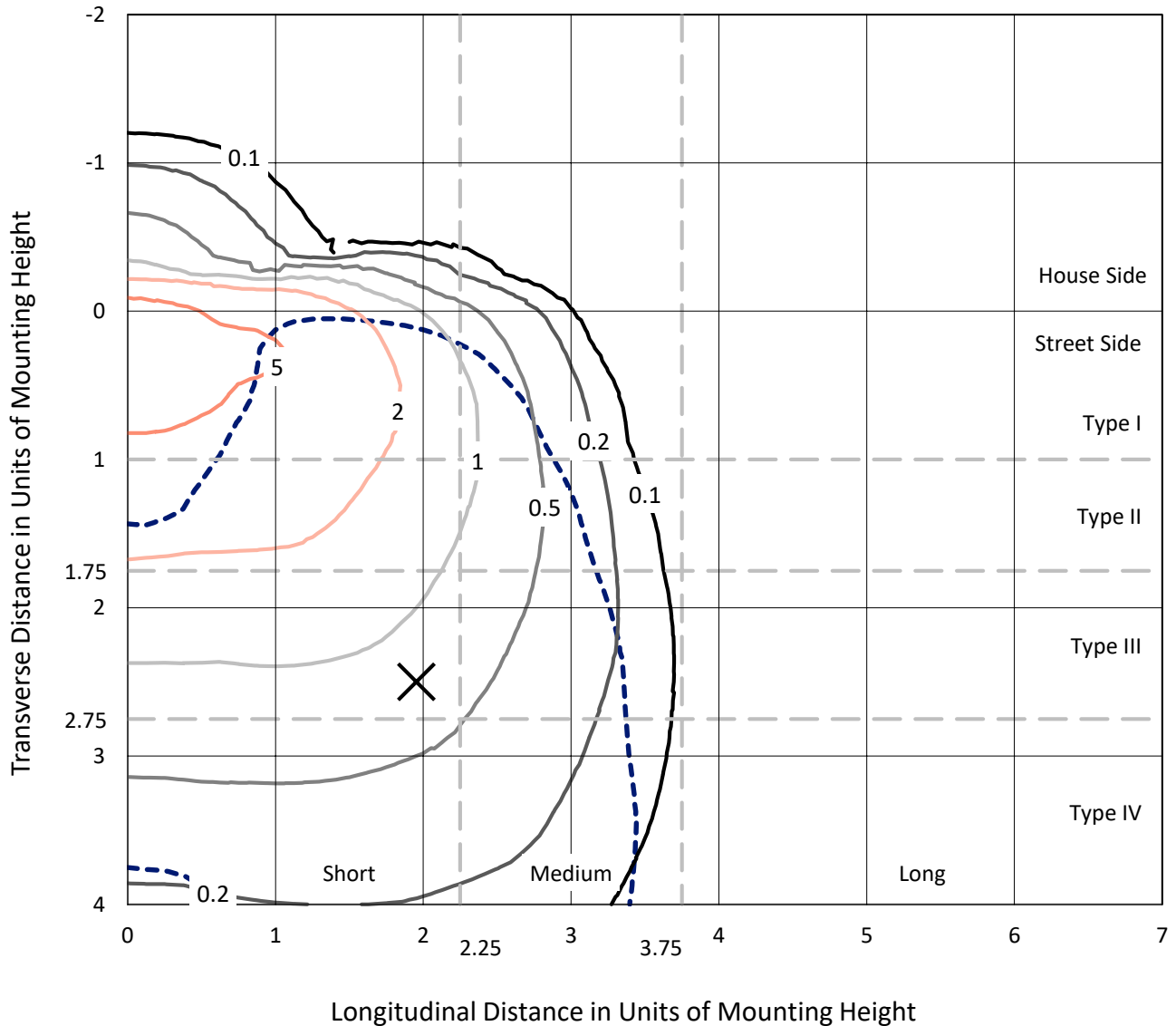
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

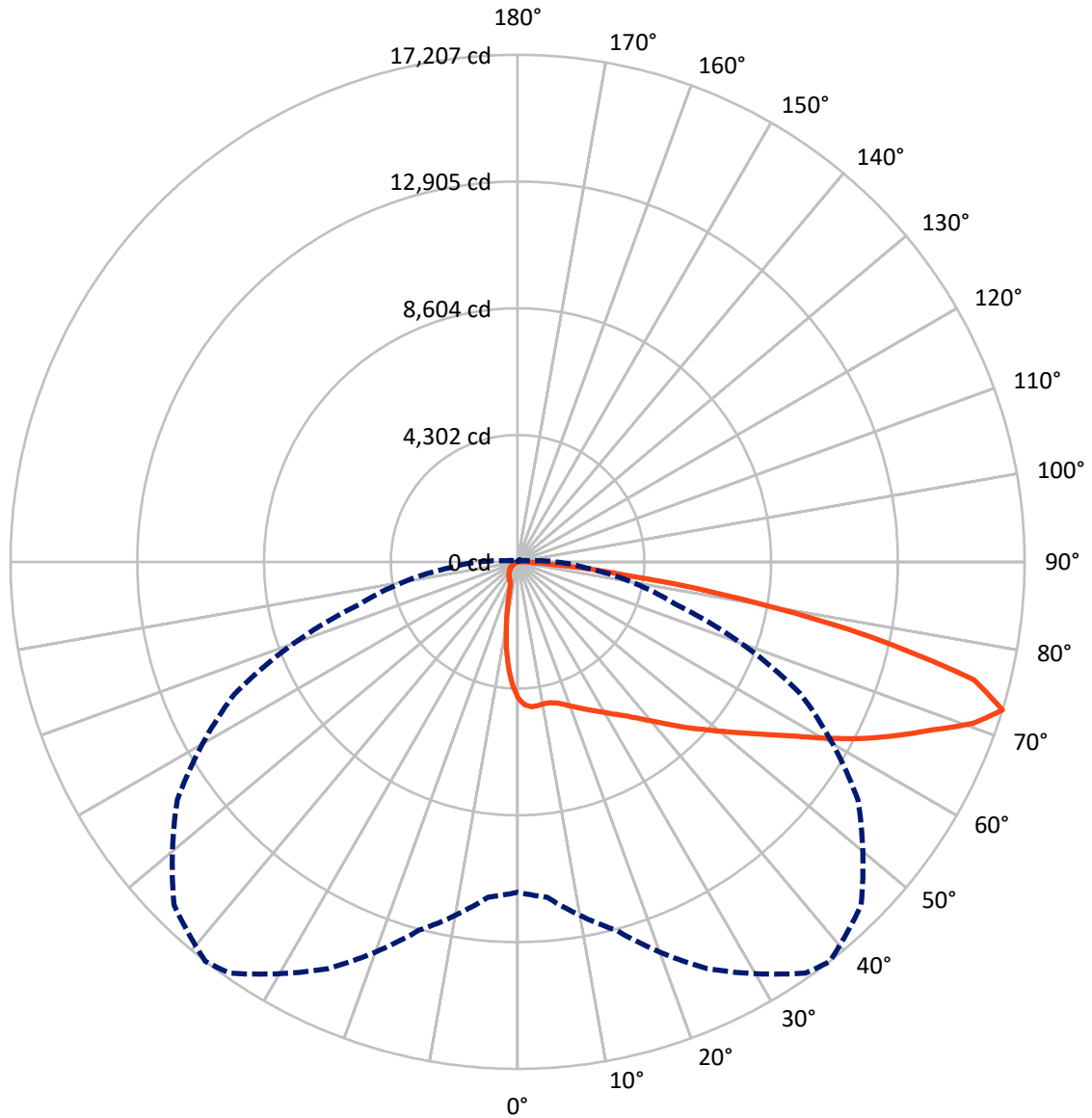
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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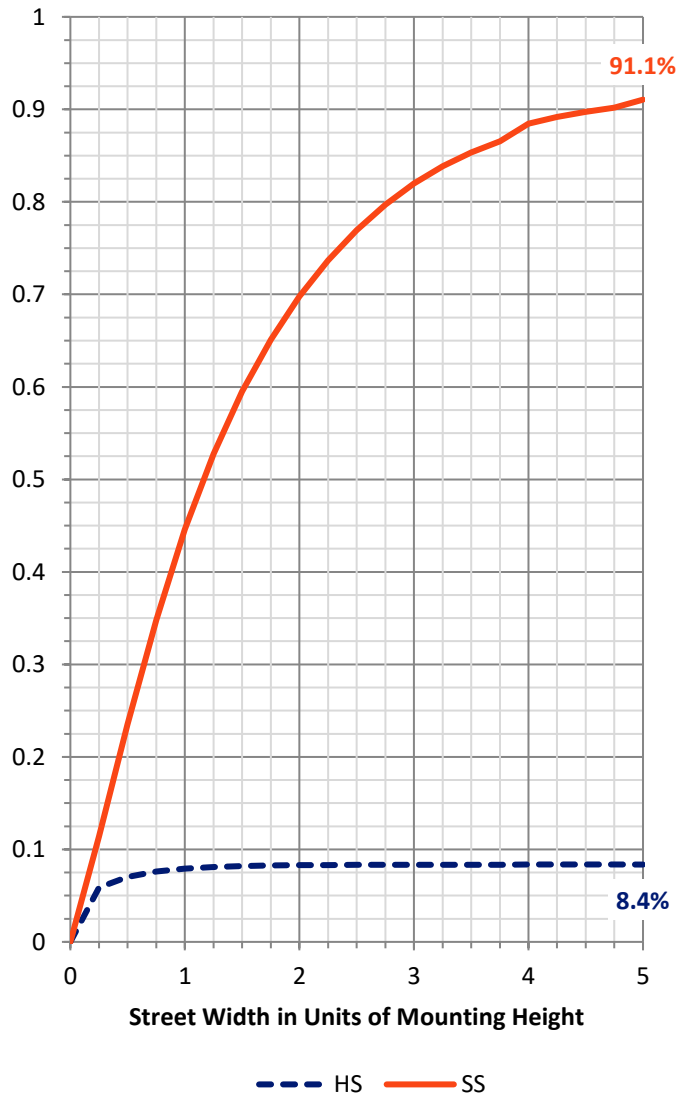
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2125.9	0.0	2125.9
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	23136.1	0.0	23136.1
	% Fixture	91.6	0.0	91.6
Total	Lumens	25262.0	0.0	25262.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	395.9	1.6
10°-20°	968.1	3.8
20°-30°	1539.7	6.1
30°-40°	2314.7	9.2
40°-50°	3531.3	14.0
50°-60°	4990.9	19.8
60°-70°	6260.2	24.8
70°-80°	4680.9	18.5
80°-90°	580.4	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°	25262.0	100.0
0°-180°	25262.0	100.0

Coefficient of Utilization

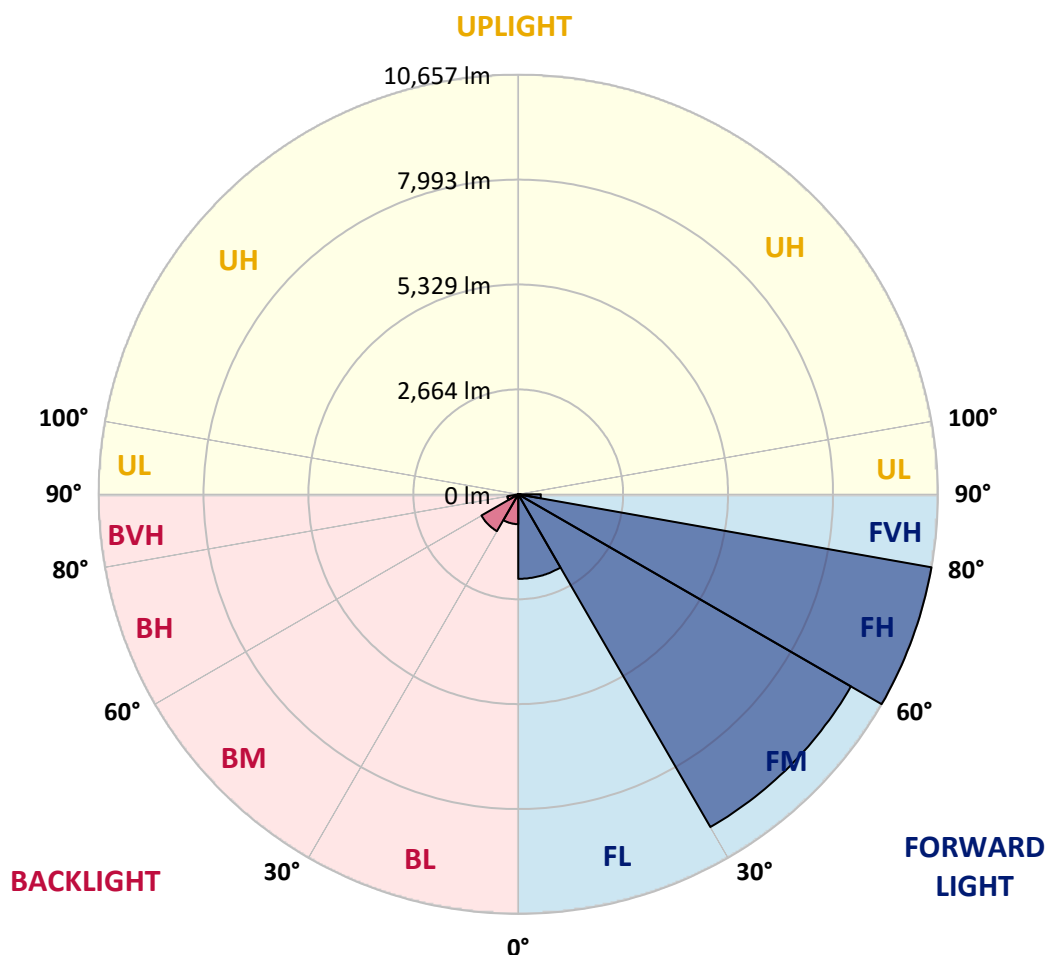


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2146.7	8.5			
FM (30°-60°)	9757.3	38.6			
FH (60°-80°)	10657.1	42.2			G4/12000
FVH (80°-90°)	575.0	2.3			G4/750
BL (0°-30°)	756.9	3.0	B2/1000		
BM (30°-60°)	1079.6	4.3	B2/2500		
BH (60°-80°)	284.0	1.1	B1/500		G1/500
BVH (80°-90°)	5.4	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-G4
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	4645.6	4645.6	4645.6	4645.6	4645.6	4645.6	4645.6	4645.6	4645.6	4645.6	4645.6
2.5°	4931.0	4932.0	4920.5	4901.6	4877.5	4864.9	4843.9	4810.3	4774.6	4710.6	4641.4
5°	5031.7	5031.7	5017.0	4991.8	4953.0	4941.5	4901.6	4848.1	4774.6	4670.8	4554.3
7.5°	5021.2	5023.3	5003.4	4977.1	4938.3	4927.8	4879.6	4819.8	4728.5	4602.6	4453.6
10°	4966.6	4971.9	4956.1	4943.6	4907.9	4896.3	4851.2	4791.4	4700.2	4565.9	4394.9
12.5°	4911.0	4916.3	4921.5	4933.1	4911.0	4906.8	4871.2	4820.8	4733.7	4594.2	4401.1
15°	4875.4	4885.9	4923.6	4968.7	4974.0	4969.8	4946.7	4899.5	4811.4	4666.6	4446.3
17.5°	4875.4	4892.1	4970.8	5056.9	5087.3	5090.4	5070.5	5004.4	4899.5	4744.2	4488.2
20°	4916.3	4939.4	5062.1	5183.8	5234.2	5234.2	5195.3	5103.0	4980.3	4814.5	4516.6
22.5°	5021.2	5051.6	5205.8	5346.4	5399.9	5388.4	5335.9	5201.6	5064.2	4894.2	4552.2
25°	5227.9	5251.0	5411.5	5553.1	5585.6	5559.4	5493.3	5321.2	5171.2	5002.3	4617.3
27.5°	5494.4	5497.5	5663.3	5782.9	5762.9	5745.1	5662.2	5471.3	5325.4	5156.5	4729.5
30°	5787.1	5787.1	5932.9	6024.2	5963.3	5948.6	5865.8	5652.8	5522.7	5366.4	4889.0
32.5°	6070.3	6082.9	6201.5	6259.2	6191.0	6176.3	6095.5	5882.5	5785.0	5686.3	5137.6
35°	6344.2	6353.6	6465.9	6497.3	6432.3	6436.5	6378.8	6198.3	6161.6	6149.0	5512.2
37.5°	6609.6	6611.7	6726.0	6746.0	6713.5	6749.1	6754.4	6594.9	6663.1	6764.9	6039.9
40°	6851.9	6854.0	6967.3	7018.8	7074.4	7120.5	7161.4	7076.5	7302.0	7538.1	6668.3
42.5°	7046.0	7068.1	7211.8	7309.4	7456.2	7544.4	7655.6	7651.4	8062.7	8417.3	7427.9
45°	7217.0	7254.8	7455.2	7626.2	7878.0	8018.6	8192.7	8329.1	8918.8	9396.1	8196.9
47.5°	7442.6	7478.3	7707.0	7987.1	8322.8	8507.5	8796.0	9090.8	9859.8	10357.1	8948.1
50°	7760.5	7744.8	7970.3	8372.1	8803.3	9045.7	9457.0	9898.6	10793.6	11194.3	9389.8
52.5°	8099.4	8093.1	8259.9	8790.8	9369.9	9653.2	10196.6	10733.8	11686.4	11771.4	9592.3
55°	8519.0	8473.9	8614.5	9268.1	10042.4	10346.6	10986.6	11560.5	12397.7	12096.6	9694.1
57.5°	8958.6	8884.1	9018.4	9800.0	10800.9	11160.8	11861.6	12366.2	12870.9	12319.0	9693.0
60°	9412.9	9324.8	9484.2	10465.2	11743.0	12159.5	12810.0	12910.7	13312.6	12431.3	9621.7
62.5°	9792.7	9740.2	9977.3	11176.5	12795.3	13204.5	13526.6	13405.9	13685.0	12518.4	9454.9
65°	10194.5	10197.7	10580.6	12006.4	13913.7	14189.6	14216.9	14048.0	13996.6	12500.5	8890.4
67.5°	10738.0	10788.3	11427.2	13133.2	15001.7	15214.6	15212.6	14743.6	14224.3	11791.3	7638.8
70°	11312.9	11431.4	12403.0	14422.5	16189.3	16405.4	16294.2	15186.3	13393.3	9534.6	5406.2
72.5°	11216.4	11422.0	12945.4	15235.6	17042.3	17207.0	16484.1	14098.4	10585.8	5541.6	2301.8
75°	8653.3	8891.5	11870.0	14429.9	16147.3	15999.4	14163.4	10970.9	5785.0	1546.4	518.3
77.5°	4571.1	4698.1	7841.3	10992.9	12590.7	12281.3	9977.3	6086.1	1763.6	382.9	232.9
80°	2394.1	2423.5	3417.1	6237.1	7771.0	7773.1	5913.0	2673.2	727.1	196.2	156.3
82.5°	1282.1	1307.2	1805.6	2882.0	4071.7	3690.9	2264.0	1470.9	422.8	111.2	150.0
85°	308.4	313.7	1024.0	1316.7	1601.0	1143.6	672.5	1234.8	114.4	65.0	121.7
87.5°	118.6	120.7	379.8	569.7	408.1	264.4	314.7	460.6	14.7	25.2	18.9
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°	4645.6	4645.6	4645.6	4645.6	4645.6	4645.6	4645.6	4645.6	4645.6	4645.6	4645.6
2.5°	4599.4	4572.2	4505.0	4420.0	4344.5	4289.9	4208.1	4154.6	4118.9	4117.9	4104.2
5°	4483.0	4427.4	4282.6	4110.5	3954.2	3813.6	3647.9	3516.7	3419.2	3403.4	3369.8
7.5°	4358.1	4266.9	4044.4	3775.9	3513.6	3247.1	2937.6	2745.6	2580.9	2502.2	2493.8
10°	4281.5	4153.6	3837.8	3449.6	3038.3	2605.0	2200.0	1919.9	1717.4	1659.7	1616.7
12.5°	4265.8	4096.9	3678.3	3143.2	2555.7	1982.9	1534.9	1236.9	1075.4	1024.0	1010.3
15°	4281.5	4070.7	3544.0	2840.0	2066.8	1406.9	1030.3	857.1	796.3	781.6	780.6
17.5°	4291.0	4039.2	3391.9	2503.3	1592.6	1005.1	789.0	738.6	729.2	728.1	730.2
20°	4289.9	3990.9	3210.4	2127.7	1184.5	790.0	713.4	702.9	700.8	701.9	700.8
22.5°	4282.6	3934.3	3011.0	1740.5	894.9	706.1	680.9	674.6	673.5	673.5	673.5
25°	4296.2	3889.2	2791.8	1370.2	737.5	667.3	651.5	646.3	645.2	645.2	643.1
27.5°	4345.5	3864.0	2551.5	1054.4	666.2	632.6	620.0	619.0	615.8	614.8	616.9
30°	4425.3	3864.0	2288.2	820.4	623.2	597.0	587.5	585.4	584.4	583.3	584.4
32.5°	4565.9	3893.4	2000.7	681.9	582.3	557.1	550.8	553.9	550.8	550.8	550.8
35°	4819.8	3981.5	1699.6	594.9	539.3	518.3	512.0	516.2	514.1	514.1	513.0
37.5°	5190.1	4145.2	1396.4	542.4	501.5	479.5	471.1	477.4	475.3	475.3	474.2
40°	5641.2	4383.3	1107.9	502.5	464.8	441.7	434.3	437.5	432.2	432.2	434.3
42.5°	6198.3	4685.5	856.1	463.7	428.0	406.0	401.8	398.7	389.2	384.0	385.0
45°	6817.3	5000.2	667.3	426.0	393.4	375.6	369.3	360.9	345.2	334.7	335.7
47.5°	7370.2	5242.6	542.4	389.2	362.0	348.3	338.9	323.1	300.1	287.5	288.5
50°	7660.8	5279.3	461.6	352.5	332.6	318.9	305.3	281.2	253.9	240.3	239.2
52.5°	7735.3	5107.2	401.8	318.9	303.2	287.5	269.6	237.1	206.7	192.0	189.9
55°	7762.6	4844.9	348.3	287.5	271.7	253.9	230.8	194.1	165.8	151.1	150.0
57.5°	7672.4	4453.6	306.3	259.1	240.3	218.2	189.9	155.3	128.0	116.5	116.5
60°	7472.0	3923.8	273.8	228.7	207.7	182.6	153.2	120.7	95.5	86.0	86.0
62.5°	7072.3	3237.7	243.4	197.2	177.3	151.1	123.8	91.3	67.1	61.9	62.9
65°	6317.9	2456.0	213.0	168.9	151.1	124.8	96.5	65.0	45.1	45.1	47.2
67.5°	5152.3	1705.9	181.5	143.7	130.1	101.8	73.4	45.1	31.5	35.7	39.9
70°	3410.8	956.8	155.3	118.6	111.2	80.8	54.6	30.4	25.2	33.6	40.9
72.5°	1287.3	372.4	130.1	95.5	96.5	61.9	38.8	23.1	23.1	36.7	48.3
75°	358.8	182.6	93.4	70.3	75.5	45.1	28.3	19.9	22.0	42.0	56.7
77.5°	210.9	134.3	60.9	40.9	51.4	31.5	18.9	15.7	18.9	35.7	54.6
80°	170.0	71.3	35.7	21.0	28.3	17.8	12.6	9.4	5.2	13.6	28.3
82.5°	170.0	43.0	16.8	14.7	14.7	9.4	6.3	4.2	1.0	0.0	7.3
85°	114.4	17.8	10.5	9.4	7.3	3.1	2.1	1.0	0.0	0.0	0.0
87.5°	18.9	7.3	4.2	2.1	1.0	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)