

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: P319677

Luminaire Tested: **GAN-SA3B-740-U-SL3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319677
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3B-740-U-SL3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17447 lumens
Efficiency: N/A
Efficacy: 140.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

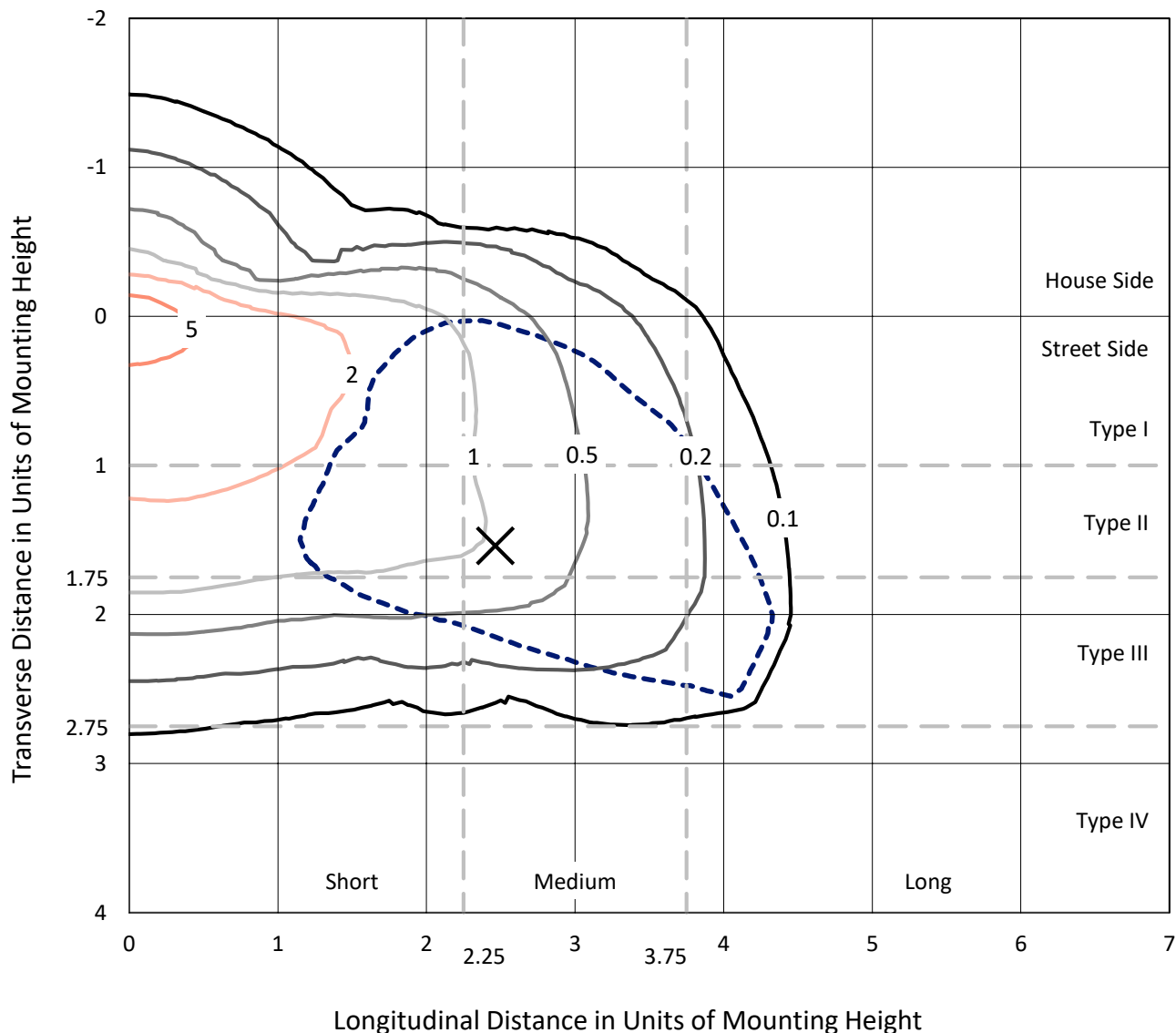
Input Watts (W): 124
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

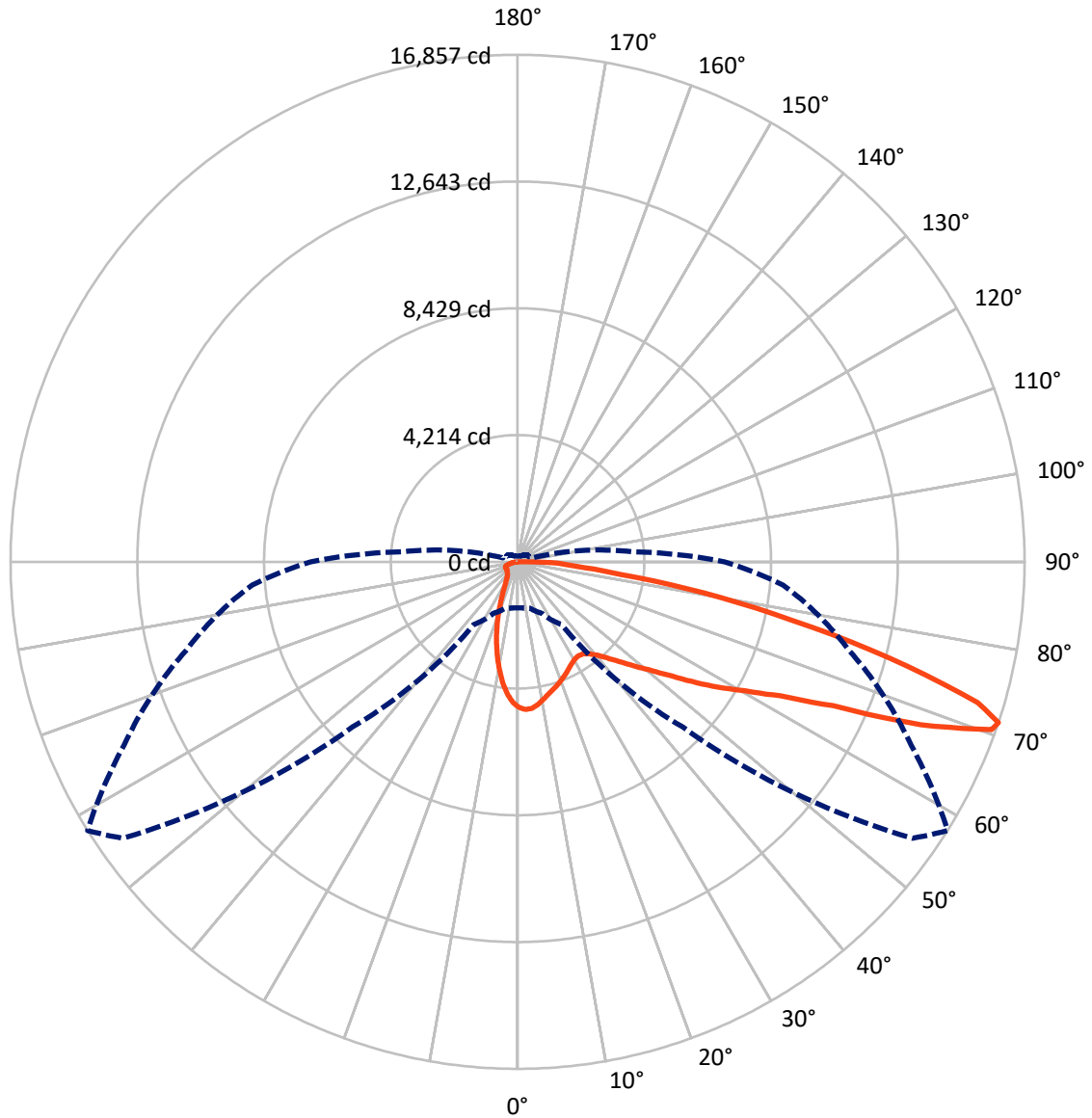
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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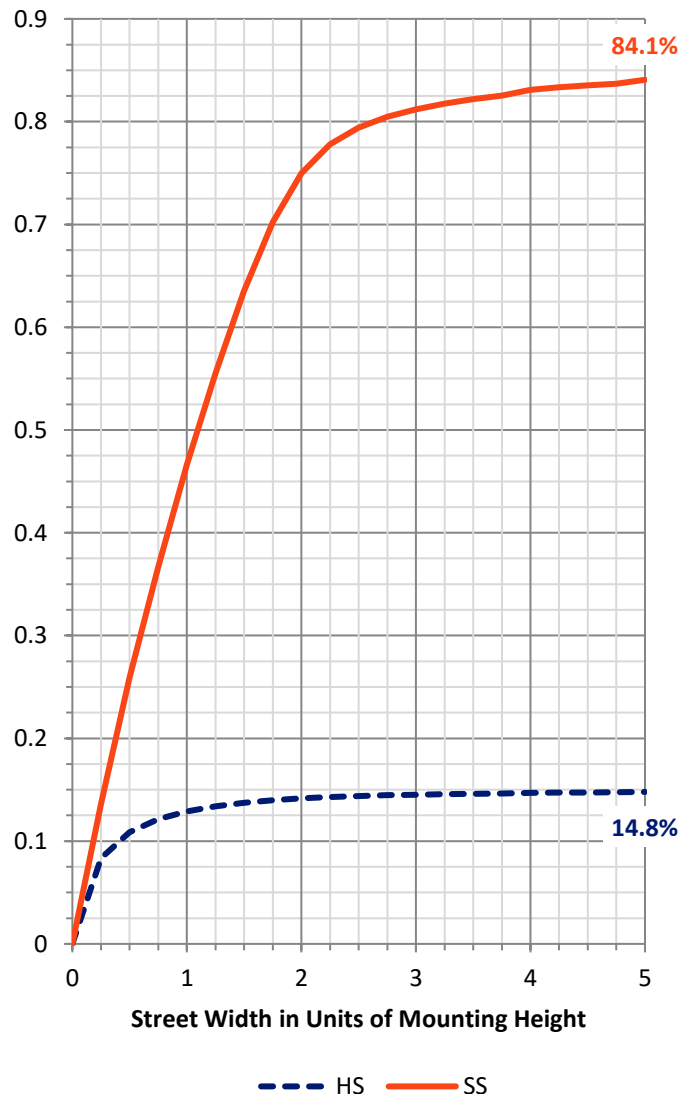
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2608.4	0.0	2608.4
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	14838.5	0.0	14838.5
	% Fixture	85.0	0.0	85.0
Total	Lumens	17447.0	0.0	17447.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	417.0	2.4
10°-20°	927.3	5.3
20°-30°	1178.5	6.8
30°-40°	1501.2	8.6
40°-50°	2128.8	12.2
50°-60°	3294.4	18.9
60°-70°	4484.8	25.7
70°-80°	2991.9	17.1
80°-90°	523.1	3.0
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°	17447.0	100.0
0°-180°	17447.0	100.0

Coefficient of Utilization

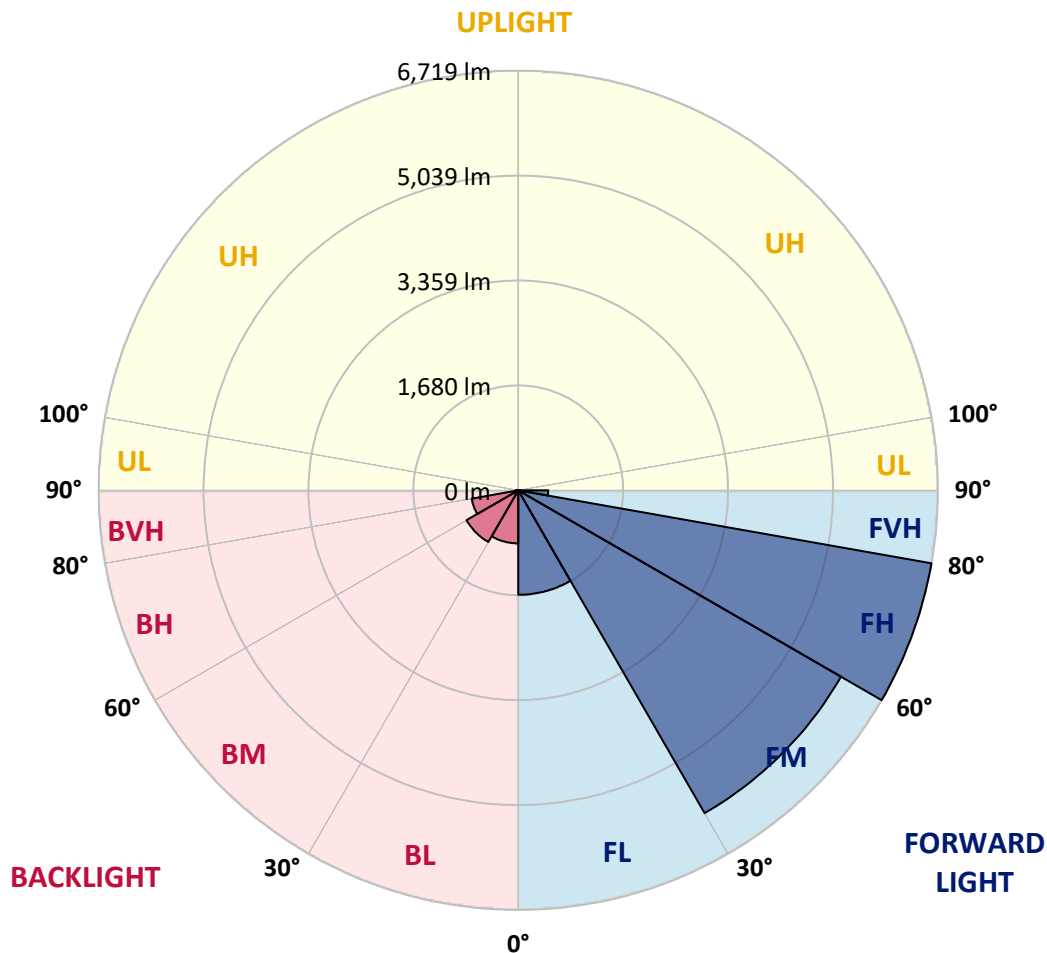


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1672.6	9.6			
FM (30°-60°)	5967.7	34.2			
FH (60°-80°)	6718.6	38.5			G3/7500
FVH (80°-90°)	479.6	2.7			G3/500
BL (0°-30°)	850.3	4.9	B2/1000		
BM (30°-60°)	956.6	5.5	B1/1000		
BH (60°-80°)	758.1	4.3	B2/1000		G2/1000
BVH (80°-90°)	43.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	4834.0	4834.0	4834.0	4834.0	4834.0	4834.0	4834.0	4834.0	4834.0	4834.0	4834.0
2.5°	4962.2	4955.5	4958.0	4953.1	4941.6	4930.0	4913.0	4916.0	4892.3	4857.1	4813.3
5°	4868.6	4866.2	4884.4	4894.8	4903.3	4896.6	4891.7	4897.8	4863.2	4814.5	4738.6
7.5°	4672.3	4645.6	4668.7	4703.3	4736.1	4761.1	4793.9	4798.1	4776.2	4725.2	4625.5
10°	4393.4	4367.8	4401.9	4456.0	4521.6	4581.2	4647.4	4659.6	4663.8	4617.6	4496.7
12.5°	4104.1	4084.6	4118.7	4194.6	4303.4	4395.2	4500.9	4519.2	4556.9	4525.9	4377.6
15°	3845.2	3837.9	3879.2	3954.0	4079.2	4219.6	4372.1	4405.5	4469.3	4459.0	4284.6
17.5°	3621.5	3619.7	3651.3	3729.7	3868.3	4045.7	4243.9	4300.4	4395.2	4407.3	4208.0
20°	3455.0	3451.4	3473.2	3531.0	3673.8	3875.0	4105.3	4183.1	4319.8	4362.4	4129.0
22.5°	3365.7	3365.1	3365.7	3393.0	3509.7	3696.9	3970.4	4065.2	4246.3	4326.5	4041.5
25°	3350.5	3348.7	3335.3	3332.3	3398.5	3548.0	3836.7	3941.2	4176.4	4301.6	3958.2
27.5°	3390.0	3392.4	3374.8	3346.2	3359.6	3450.2	3720.6	3832.4	4120.5	4296.7	3900.5
30°	3472.0	3470.8	3455.6	3425.8	3399.7	3413.7	3637.9	3749.8	4082.8	4318.0	3861.0
32.5°	3562.6	3569.3	3566.2	3549.8	3510.9	3455.0	3613.0	3722.4	4071.9	4369.1	3844.0
35°	3671.4	3678.7	3700.5	3713.3	3667.7	3577.8	3666.5	3761.3	4103.5	4465.1	3871.3
37.5°	3774.7	3793.5	3854.9	3909.0	3870.1	3769.8	3808.7	3876.2	4201.3	4616.4	3944.9
40°	3893.8	3910.2	4010.5	4125.4	4119.3	4015.4	4037.8	4082.8	4373.9	4833.4	4078.0
42.5°	4011.1	4043.9	4189.2	4352.0	4398.8	4307.1	4342.9	4366.6	4617.0	5120.8	4310.1
45°	4167.3	4202.5	4404.3	4600.6	4710.0	4658.3	4715.5	4724.6	4922.7	5512.2	4647.4
47.5°	4403.7	4443.8	4679.0	4885.0	5052.2	5057.6	5151.8	5148.2	5304.4	5960.1	5072.2
50°	4772.0	4829.7	5022.4	5215.0	5418.0	5531.1	5656.9	5639.2	5762.0	6437.2	5561.5
52.5°	5254.5	5281.3	5424.1	5566.3	5818.5	6072.0	6252.5	6236.7	6281.0	6927.7	6116.9
55°	5754.7	5774.8	5833.7	5911.5	6250.6	6663.9	7045.6	7020.6	6908.2	7436.9	6665.7
57.5°	6204.4	6245.2	6285.9	6318.1	6685.8	7282.6	7856.9	7858.7	7588.9	7986.3	7232.7
60°	6274.3	6310.2	6579.4	6833.5	7430.3	8107.9	8725.4	8707.1	8293.3	8582.5	7864.8
62.5°	5546.3	5627.1	6076.8	6752.6	8147.4	9617.5	9833.3	9810.8	9135.6	9317.3	8600.8
65°	3974.6	4066.4	4609.1	5624.7	7799.8	11280.9	11832.8	11530.1	10284.2	10221.0	9462.6
67.5°	2293.0	2314.9	2550.1	3365.7	5938.9	11367.8	14883.0	14459.4	12067.9	11246.3	9884.3
70°	1695.6	1695.0	1750.9	2071.2	3213.7	9277.8	16333.7	16713.5	13945.9	11583.6	9288.1
71°	1533.3	1535.2	1597.8	1885.2	2545.2	7765.7	16025.6	16857.0	14440.6	11417.1	8856.6
72.5°	1311.5	1317.6	1404.5	1690.7	2141.1	5355.4	14698.3	15996.4	14675.2	11006.2	8181.4
75°	994.9	1008.9	1129.2	1425.2	1956.9	2716.0	10787.4	12773.5	13036.7	9711.7	6079.3
77.5°	709.8	725.6	861.8	1198.5	1860.3	2046.9	7224.2	9317.3	9593.8	6223.9	2742.1
80°	448.5	467.4	570.1	953.5	1747.9	1943.6	4539.8	6262.8	5231.4	1991.6	697.7
82.5°	263.2	277.7	353.7	622.9	1427.6	1871.8	2671.0	3471.4	2035.9	601.7	317.2
85°	152.5	159.2	220.6	396.9	1036.8	1766.7	1962.4	1940.5	883.7	294.1	150.1
87.5°	71.1	79.0	130.7	207.2	575.5	1280.5	1551.0	1340.1	549.4	138.0	70.5
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°	4834.0	4834.0	4834.0	4834.0	4834.0	4834.0	4834.0	4834.0	4834.0	4834.0	4834.0
2.5°	4792.1	4781.7	4738.6	4700.3	4660.2	4607.9	4550.2	4542.9	4507.6	4514.3	4502.2
5°	4697.2	4671.1	4567.2	4473.0	4361.8	4262.1	4153.9	4104.1	4032.4	4027.5	4009.3
7.5°	4561.7	4513.1	4352.0	4173.4	3994.7	3824.5	3656.2	3545.6	3432.5	3384.5	3380.3
10°	4409.2	4326.5	4089.5	3825.1	3567.4	3318.9	3078.2	2900.1	2739.7	2663.7	2660.7
12.5°	4264.5	4142.4	3817.2	3457.4	3105.0	2782.9	2452.8	2218.9	2017.7	1950.2	1921.7
15°	4141.8	3969.8	3552.3	3092.2	2664.3	2217.0	1841.5	1595.3	1409.4	1344.9	1332.8
17.5°	4022.6	3801.4	3280.6	2723.3	2206.1	1714.4	1338.2	1155.3	1056.3	1030.1	1029.5
20°	3904.1	3628.2	2996.8	2345.9	1763.1	1282.3	1028.9	946.9	913.4	910.4	905.5
22.5°	3769.8	3444.7	2698.4	1967.3	1375.9	1008.2	874.5	841.7	837.5	848.4	848.4
25°	3644.0	3262.4	2395.7	1596.5	1070.2	841.1	780.9	774.3	785.8	805.3	807.1
27.5°	3526.7	3086.7	2100.4	1267.1	857.5	740.8	715.9	723.8	744.5	767.0	767.6
30°	3430.1	2920.8	1813.5	998.5	724.4	666.1	661.8	677.6	700.1	717.7	722.0
32.5°	3355.3	2779.2	1536.4	802.8	637.5	610.2	613.8	627.2	641.2	650.9	657.6
35°	3320.7	2657.7	1280.5	677.0	582.2	567.0	571.9	579.2	585.3	592.5	598.0
37.5°	3326.8	2563.5	1052.0	598.6	545.1	537.2	537.2	537.2	537.2	540.9	541.5
40°	3383.3	2509.4	866.0	548.8	520.2	511.7	505.0	499.0	494.1	496.5	495.3
42.5°	3527.9	2504.5	729.9	517.2	500.2	486.2	472.8	464.3	458.2	460.7	461.9
45°	3773.5	2565.3	638.1	494.7	481.3	460.1	443.0	433.9	429.7	437.6	438.8
47.5°	4091.3	2697.8	582.2	478.3	463.7	435.8	417.5	409.0	410.2	421.8	424.8
50°	4500.9	2912.9	555.5	468.0	451.6	415.1	396.2	389.0	392.6	409.0	412.7
52.5°	4950.7	3222.9	558.5	464.9	443.7	399.9	379.8	371.3	377.4	392.6	395.6
55°	5469.7	3595.4	609.0	469.2	432.1	390.2	366.5	351.9	356.7	370.7	373.2
57.5°	6046.4	4022.0	710.5	468.0	417.5	381.1	352.5	330.6	334.3	342.8	345.2
60°	6646.9	4537.4	867.9	471.6	410.8	370.1	333.7	306.3	305.1	312.4	313.6
62.5°	7367.7	5133.6	1047.7	474.0	415.1	356.1	308.7	282.0	278.3	280.2	281.4
65°	8110.3	5565.1	980.3	464.3	428.5	344.6	286.9	258.3	251.6	250.4	251.0
67.5°	8133.4	5102.6	687.4	444.9	433.9	338.5	270.4	238.2	227.3	223.0	222.4
70°	7294.1	4145.4	535.4	424.2	412.0	328.8	255.3	221.8	205.4	198.7	198.1
71°	6884.5	3816.0	507.5	413.9	395.6	319.1	248.6	214.5	197.5	190.2	189.0
72.5°	6242.1	3421.0	473.4	397.5	364.0	294.1	235.8	204.2	186.6	178.1	176.2
75°	4479.7	2237.1	406.6	354.3	301.4	234.6	206.6	183.5	168.3	158.0	156.8
77.5°	1726.0	890.3	307.5	294.8	230.9	183.5	170.2	158.6	147.7	137.3	136.7
80°	533.6	398.1	224.3	221.8	167.1	136.7	132.5	129.4	125.2	114.3	111.8
82.5°	285.0	228.5	154.4	143.4	109.4	91.2	96.0	97.2	97.8	86.3	85.1
85°	136.1	120.9	86.9	81.4	63.8	51.1	59.0	63.8	64.4	52.9	49.2
87.5°	65.0	63.2	40.7	31.0	23.7	17.0	20.7	25.5	28.0	20.1	17.6
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)