

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: P321920

Luminaire Tested: **GAN-SA6B-740-U-T2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P321920
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-740-U-T2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24315 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - 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

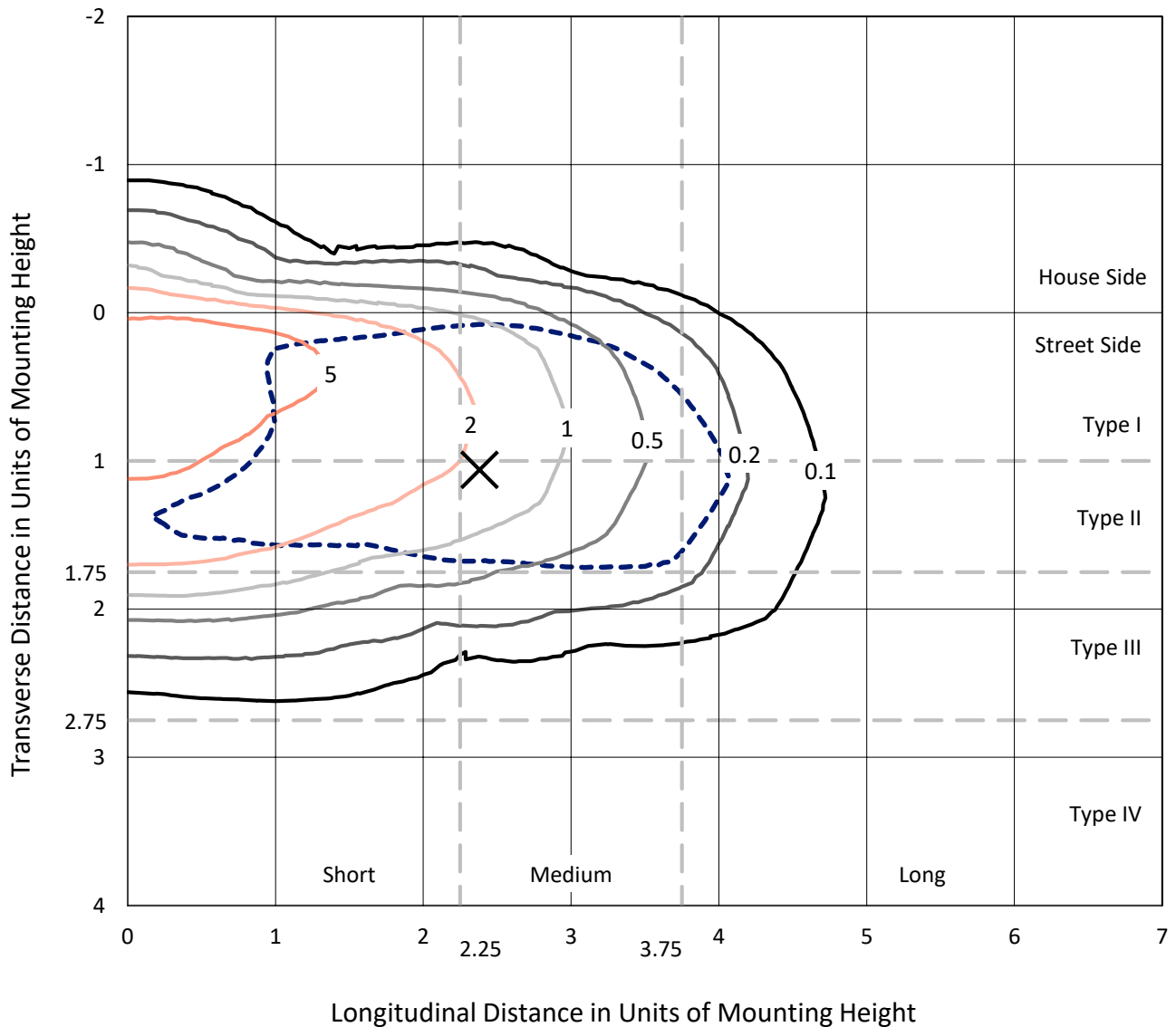




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Iso-Footcandle Lines of Horizontal Illumination

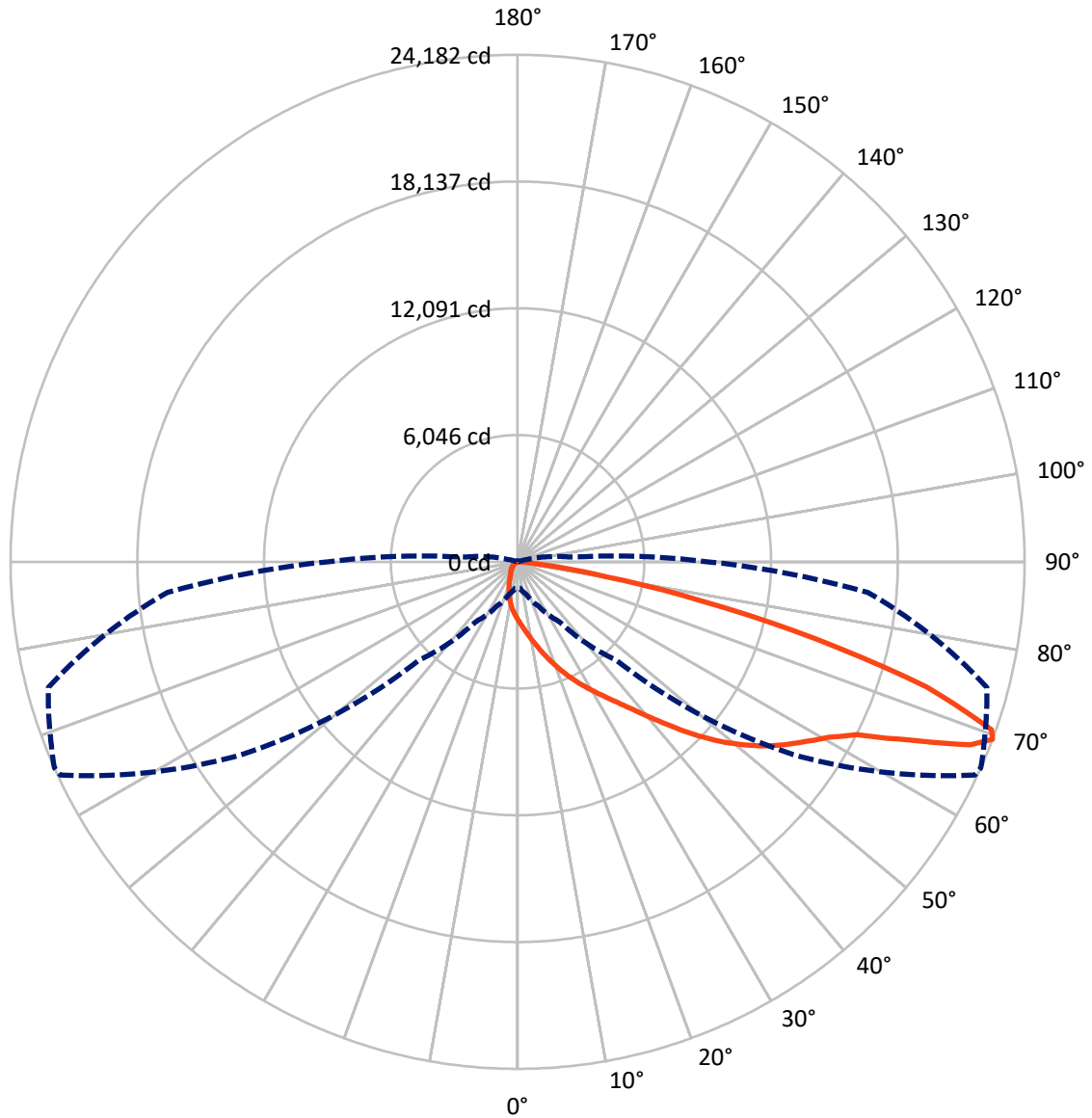
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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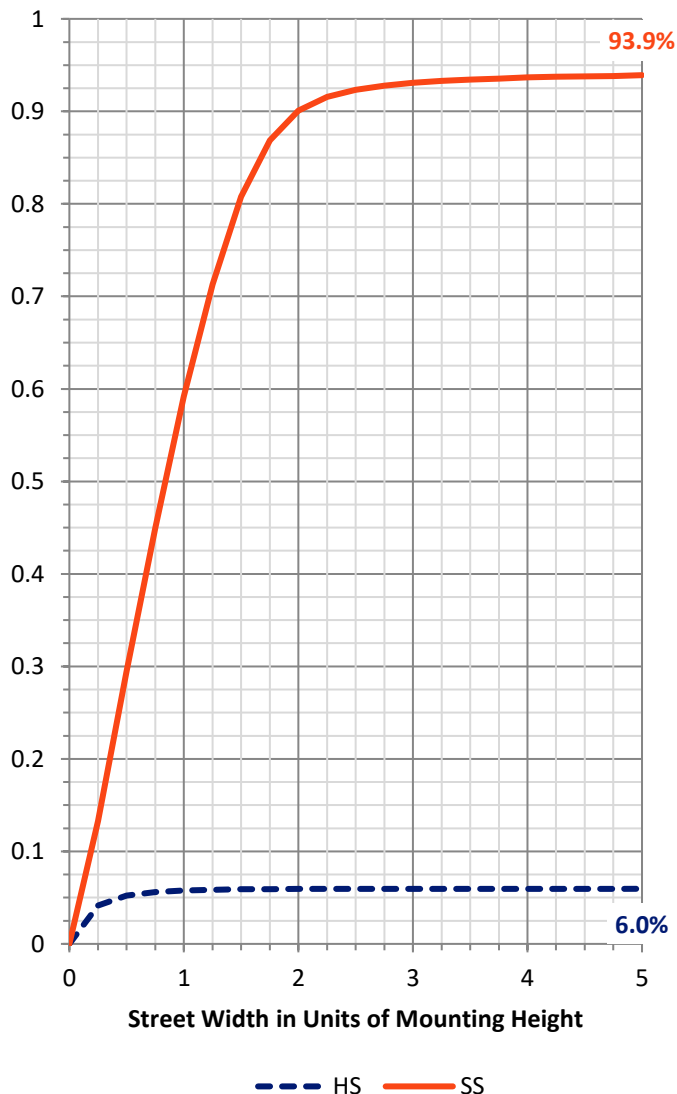
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1458.6	0.0	1458.6
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	22856.4	0.0	22856.4
	% Fixture	94.0	0.0	94.0
Total	Lumens	24315.0	0.0	24315.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.5	1.1
10°-20°	796.1	3.3
20°-30°	1386.2	5.7
30°-40°	2432.2	10.0
40°-50°	4071.1	16.7
50°-60°	5984.1	24.6
60°-70°	6144.1	25.3
70°-80°	3033.2	12.5
80°-90°	200.6	0.8
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°	24315.0	100.0
0°-180°	24315.0	100.0

Coefficient of Utilization

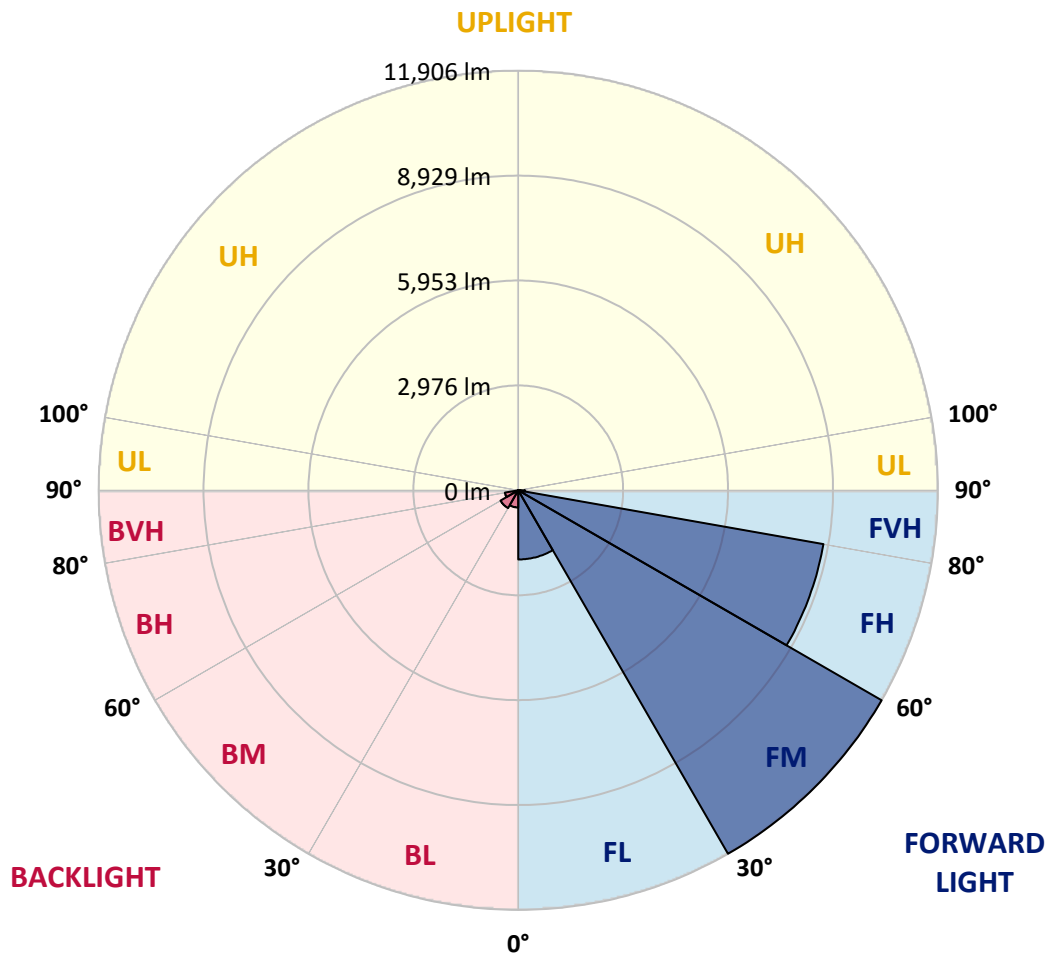


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1962.0	8.1			
FM (30°-60°)	11905.8	49.0			
FH (60°-80°)	8793.0	36.2			G4/12000
FVH (80°-90°)	195.7	0.8			G2/225
BL (0°-30°)	487.8	2.0	B1/500		
BM (30°-60°)	581.5	2.4	B1/1000		
BH (60°-80°)	384.4	1.6	B1/500		G1/500
BVH (80°-90°)	4.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G4
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2767.1	2767.1	2767.1	2767.1	2767.1	2767.1	2767.1	2767.1	2767.1	2767.1	2767.1
2.5°	3256.8	3242.9	3237.2	3211.8	3167.9	3134.4	3069.7	2994.6	2980.8	2908.0	2819.1
5°	3679.5	3667.9	3659.9	3624.1	3579.0	3494.7	3376.9	3237.2	3210.6	3072.0	2894.2
7.5°	3974.0	3994.8	3994.8	3971.7	3915.1	3851.6	3707.2	3516.7	3483.2	3270.7	2994.6
10°	4146.1	4171.5	4191.1	4210.7	4202.7	4177.3	4041.0	3826.2	3785.7	3503.9	3111.3
12.5°	4162.2	4187.6	4243.1	4325.1	4404.8	4462.5	4377.0	4169.2	4123.0	3774.2	3249.9
15°	4072.2	4098.7	4184.2	4343.6	4536.4	4705.0	4732.8	4549.1	4501.8	4096.4	3423.1
17.5°	3915.1	3932.4	4054.8	4275.4	4578.0	4887.5	5055.0	4956.8	4912.9	4464.8	3616.0
20°	3798.4	3811.1	3918.6	4155.3	4552.6	5001.8	5359.9	5389.9	5343.7	4859.8	3825.0
22.5°	3998.2	4021.3	4024.8	4136.8	4483.3	5058.4	5627.8	5816.0	5781.4	5279.0	4030.6
25°	4544.5	4571.1	4483.3	4414.0	4542.2	5083.8	5857.6	6252.6	6224.9	5730.6	4237.3
27.5°	5266.3	5294.0	5180.9	4974.1	4850.6	5179.7	6062.0	6696.1	6694.9	6208.7	4460.2
30°	5975.4	6003.1	5887.6	5680.9	5396.8	5451.1	6238.7	7160.3	7167.3	6701.8	4697.0
32.5°	6719.2	6753.8	6634.9	6369.2	6072.4	5920.0	6487.0	7626.9	7666.2	7273.5	4963.7
35°	7564.6	7569.2	7401.7	7123.4	6781.5	6547.1	6885.5	8150.1	8243.6	7981.5	5302.1
37.5°	8393.8	8427.3	8289.8	7851.0	7536.8	7271.2	7477.9	8803.8	8936.6	8846.5	5744.4
40°	9008.2	9078.6	9059.0	8585.5	8287.5	8098.1	8213.6	9581.0	9749.6	9853.6	6302.3
42.5°	9393.9	9447.0	9537.1	9251.9	8981.6	9012.8	9082.1	10486.4	10694.3	11001.5	6943.2
45°	9836.2	9861.6	9936.7	9810.8	9628.3	9942.5	10003.7	11506.2	11724.5	12236.1	7654.6
47.5°	10376.7	10436.8	10457.6	10342.1	10258.9	10764.8	10891.8	12433.6	12739.6	13558.5	8407.6
50°	11065.0	11081.2	11117.0	11041.9	10958.8	11471.6	11688.7	13407.2	13685.5	14885.4	9150.2
52.5°	11738.3	11796.1	11920.8	11873.5	11840.0	12073.3	12398.9	14284.9	14595.5	15991.8	9891.7
55°	11932.4	11982.0	12412.8	12707.3	12979.8	12814.7	13078.0	15071.4	15407.4	16980.4	10605.4
57.5°	11157.4	11257.9	12004.0	12770.8	13901.5	13967.3	14011.2	15878.6	16180.1	17738.0	11348.0
60°	9198.7	9218.4	10442.5	11758.0	13749.0	14973.2	15373.9	16746.0	16998.9	18443.7	12237.3
62.5°	5850.7	6050.5	7393.6	9250.7	12136.8	14827.7	17022.0	18057.9	18150.3	19290.2	13512.3
65°	2786.8	2916.1	3883.9	5715.6	8791.1	12964.8	18159.5	20431.2	20472.8	20968.2	15215.7
67.5°	1542.9	1605.3	2066.1	3076.6	5139.3	9168.7	17699.9	23242.2	23281.5	22682.1	16710.2
69°	1206.9	1260.0	1622.6	2319.0	3484.3	6589.8	16017.2	24065.7	24182.3	23172.9	16763.3
70°	1024.4	1076.4	1397.4	1958.7	2801.8	5091.9	14257.2	23861.3	23984.8	23126.7	16367.2
72.5°	627.1	657.1	930.8	1378.9	1877.9	2561.6	8792.2	20179.5	20388.5	21214.2	14066.6
75°	422.7	438.9	582.1	951.6	1343.1	1318.9	4567.6	14223.7	14676.4	16502.3	10389.4
77.5°	302.6	317.6	390.4	615.6	941.2	870.8	2068.4	8839.6	8936.6	9897.4	5665.9
80°	172.1	185.9	276.0	366.1	638.7	580.9	822.3	4222.3	4270.8	4244.2	1891.7
82.5°	90.1	101.6	151.3	241.4	410.0	380.0	341.8	1413.6	1420.5	1181.5	414.6
85°	17.3	20.8	75.1	165.1	211.3	165.1	139.7	331.5	338.4	299.1	102.8
87.5°	0.0	1.2	30.0	37.0	41.6	42.7	45.0	64.7	69.3	93.5	27.7
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°	2767.1	2767.1	2767.1	2767.1	2767.1	2767.1	2767.1	2767.1	2767.1	2767.1	2767.1
2.5°	2779.8	2738.3	2658.6	2566.2	2494.6	2424.1	2368.7	2310.9	2290.2	2279.8	2278.6
5°	2807.5	2719.8	2551.2	2377.9	2235.9	2101.9	2006.1	1914.8	1872.1	1852.4	1844.4
7.5°	2853.7	2712.8	2441.4	2177.0	1972.6	1805.1	1672.3	1573.0	1523.3	1502.5	1494.4
10°	2908.0	2703.6	2313.3	1964.5	1703.5	1530.2	1398.6	1300.4	1246.1	1223.0	1211.5
12.5°	2971.5	2687.4	2165.4	1749.7	1473.6	1300.4	1141.0	1019.8	957.4	930.8	918.1
15°	3050.1	2671.3	2010.7	1547.6	1271.5	1060.2	885.8	803.8	791.1	786.5	787.6
17.5°	3127.5	2645.9	1842.1	1347.8	1059.0	828.1	739.1	734.5	736.8	736.8	736.8
20°	3196.7	2588.1	1658.4	1176.8	856.9	698.7	680.2	672.1	666.4	661.8	656.0
22.5°	3251.0	2510.7	1481.7	1007.1	699.9	639.8	610.9	585.5	564.7	550.9	544.0
25°	3288.0	2408.0	1320.0	844.2	629.4	582.1	530.1	487.4	455.0	435.4	427.3
27.5°	3315.7	2297.1	1175.7	706.8	580.9	515.1	446.9	396.1	362.6	345.3	338.4
30°	3335.3	2171.2	1048.6	621.3	526.6	444.6	371.9	322.2	298.0	288.7	284.1
32.5°	3353.8	2031.5	928.5	580.9	475.8	380.0	311.8	273.7	258.7	247.1	243.7
35°	3400.0	1902.1	814.2	538.2	423.8	324.5	267.9	240.2	225.2	218.3	216.0
37.5°	3509.7	1806.3	704.5	494.3	371.9	280.6	234.4	214.8	201.0	194.0	191.7
40°	3686.4	1757.7	612.1	446.9	321.1	247.1	212.5	194.0	179.0	168.6	166.3
42.5°	3946.3	1764.7	547.4	399.6	280.6	220.6	191.7	169.8	153.6	144.4	142.1
45°	4261.6	1815.5	502.4	353.4	247.1	199.8	168.6	145.5	130.5	122.4	120.1
47.5°	4603.4	1897.5	465.4	311.8	220.6	180.2	145.5	121.3	108.6	101.6	100.5
50°	4963.7	1977.2	427.3	271.4	197.5	160.5	122.4	100.5	90.1	84.3	82.0
52.5°	5328.7	2069.6	392.7	234.4	177.9	137.4	101.6	82.0	73.9	69.3	67.0
55°	5721.3	2138.9	359.2	205.6	158.2	116.6	84.3	68.1	61.2	55.4	54.3
57.5°	6183.3	2246.3	324.5	177.9	135.1	97.0	69.3	54.3	48.5	42.7	41.6
60°	6806.9	2372.2	287.6	157.1	110.9	79.7	56.6	43.9	37.0	32.3	31.2
62.5°	7629.2	2511.9	241.4	137.4	90.1	64.7	45.0	34.6	26.6	20.8	20.8
65°	8672.1	2739.4	197.5	115.5	73.9	53.1	34.6	25.4	15.0	9.2	9.2
67.5°	9280.7	2778.7	159.4	94.7	60.1	45.0	28.9	17.3	4.6	1.2	0.0
69°	9085.5	2551.2	135.1	80.8	52.0	42.7	26.6	12.7	2.3	0.0	0.0
70°	8718.3	2332.9	119.0	71.6	47.4	40.4	25.4	9.2	2.3	0.0	0.0
72.5°	7204.2	1660.7	90.1	53.1	34.6	35.8	23.1	5.8	2.3	0.0	0.0
75°	5247.8	1009.4	64.7	37.0	21.9	26.6	16.2	2.3	1.2	0.0	0.0
77.5°	2919.6	475.8	40.4	20.8	13.9	16.2	8.1	0.0	0.0	0.0	0.0
80°	948.2	129.3	18.5	11.5	8.1	9.2	3.5	0.0	0.0	0.0	0.0
82.5°	175.5	37.0	10.4	5.8	2.3	2.3	0.0	0.0	0.0	0.0	0.0
85°	38.1	15.0	5.8	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	12.7	4.6	1.2	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)