

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: P652738

Luminaire Tested: **GLAN-SA2C-840-U-T2R-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P652738
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2C-840-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9519.3 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

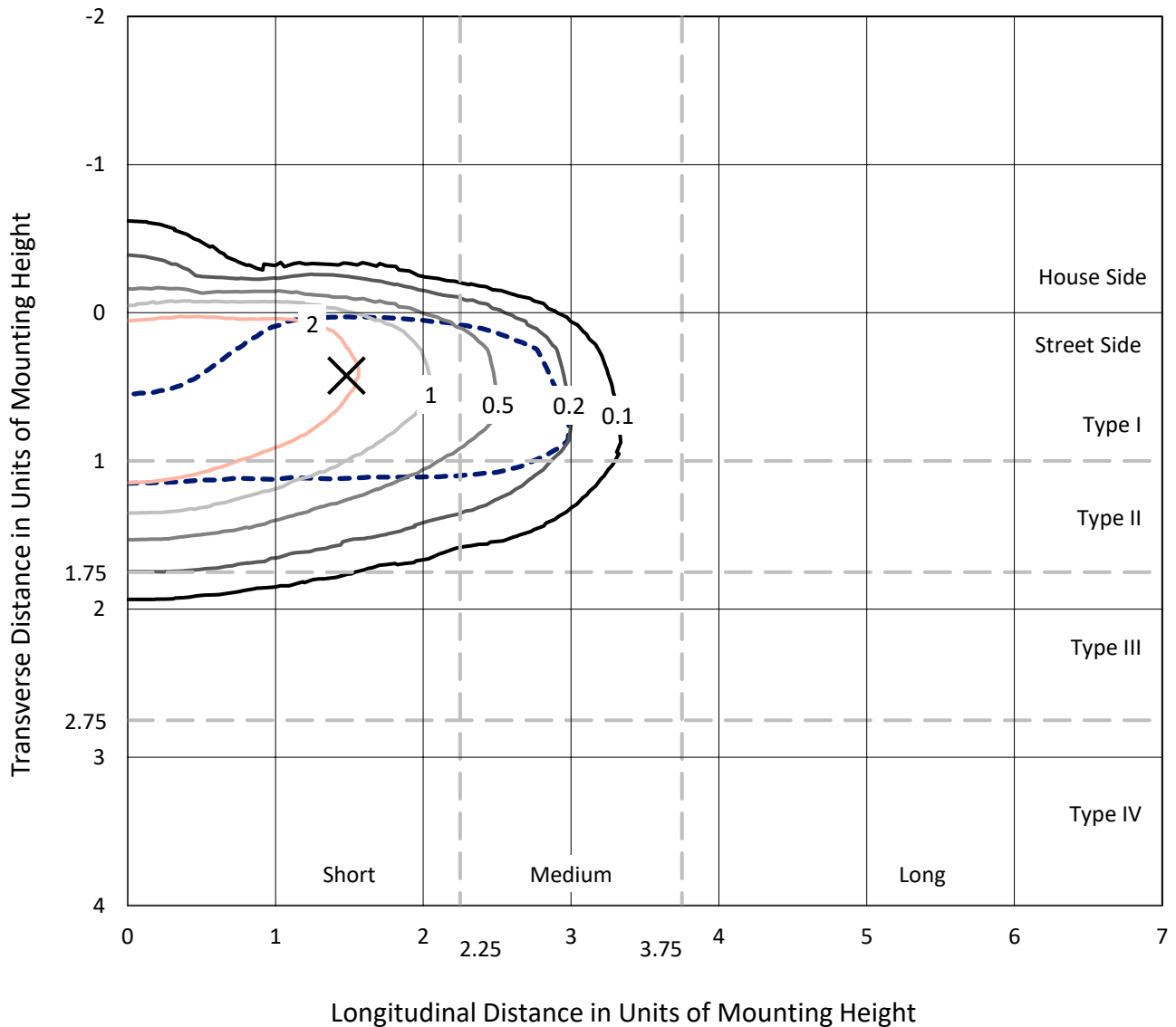
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

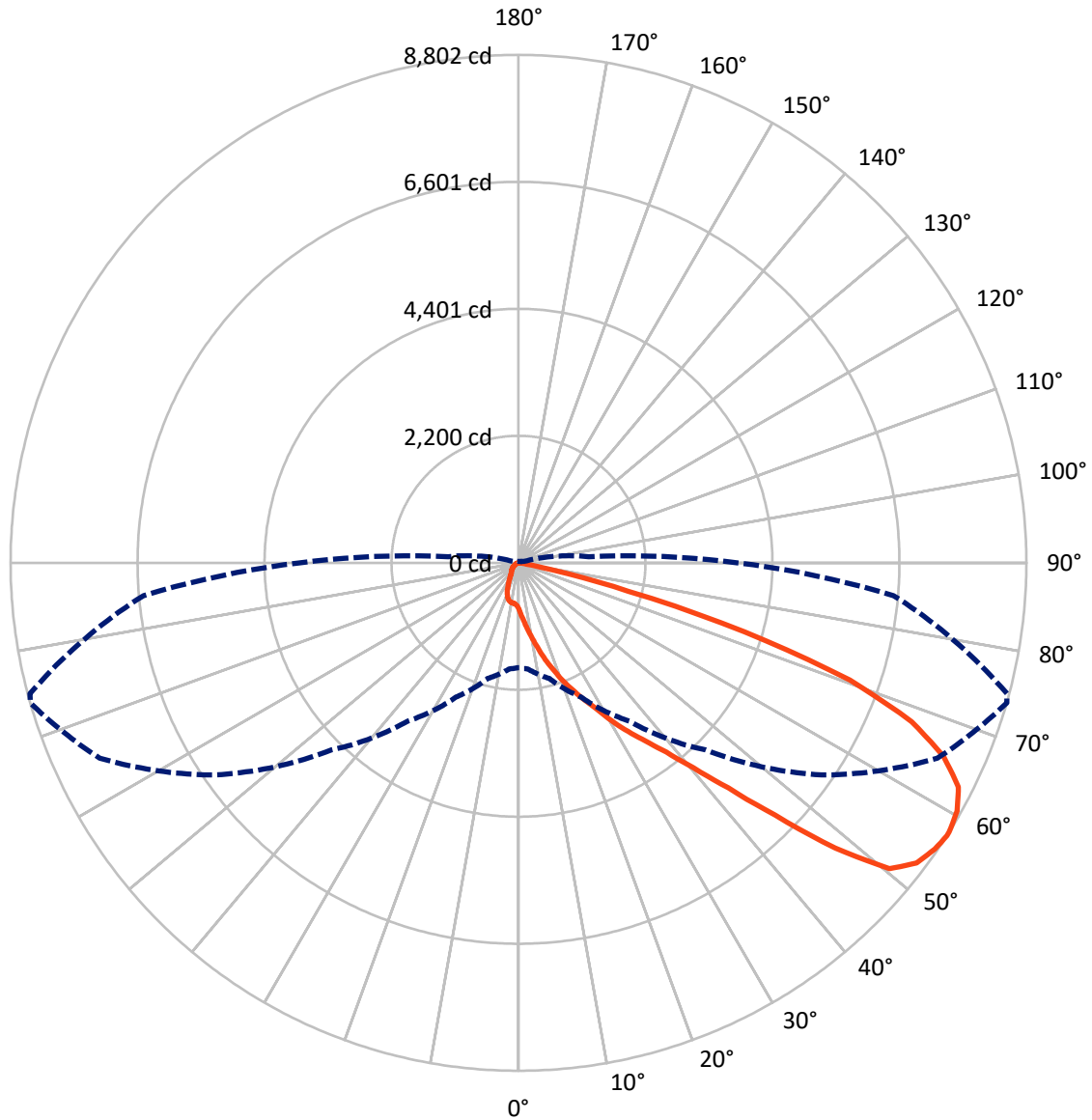
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

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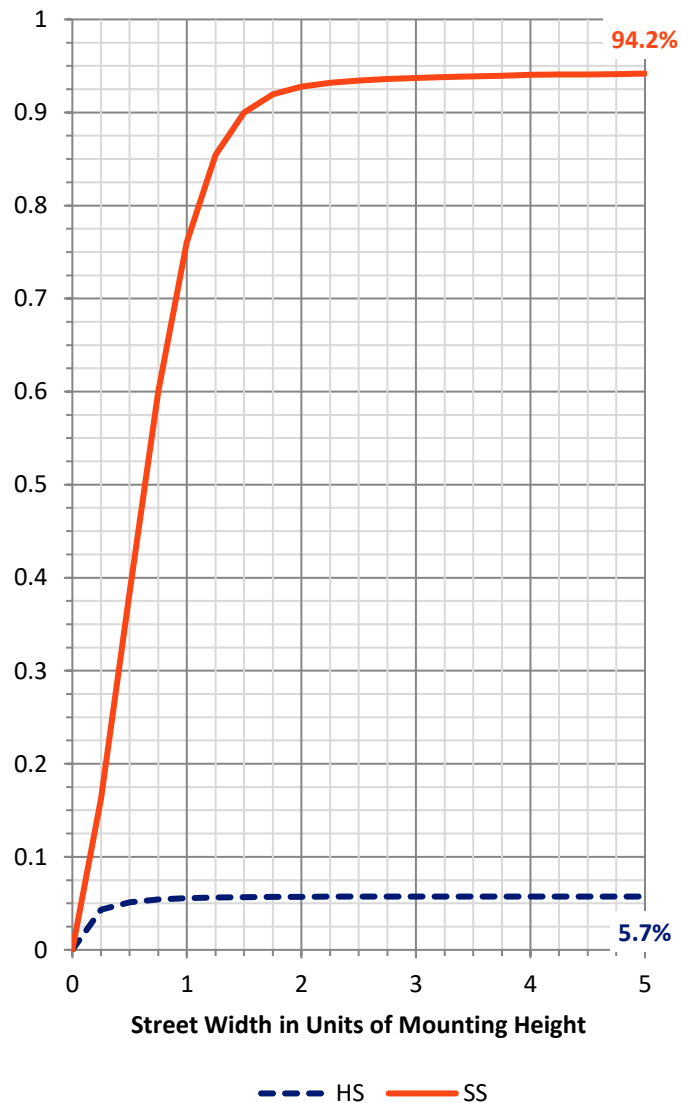
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	549.0	0.0	549.0
	% Fixture	5.8	0.0	5.8
Street Side	Lumens	8970.2	0.0	8970.2
	% Fixture	94.2	0.0	94.2
Total	Lumens	9519.3	0.0	9519.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.2	1.0
10°-20°	379.3	4.0
20°-30°	811.6	8.5
30°-40°	1491.7	15.7
40°-50°	2286.8	24.0
50°-60°	2419.1	25.4
60°-70°	1579.7	16.6
70°-80°	431.6	4.5
80°-90°	23.2	0.2
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°	9519.3	100.0
0°-180°	9519.3	100.0

Coefficient of Utilization



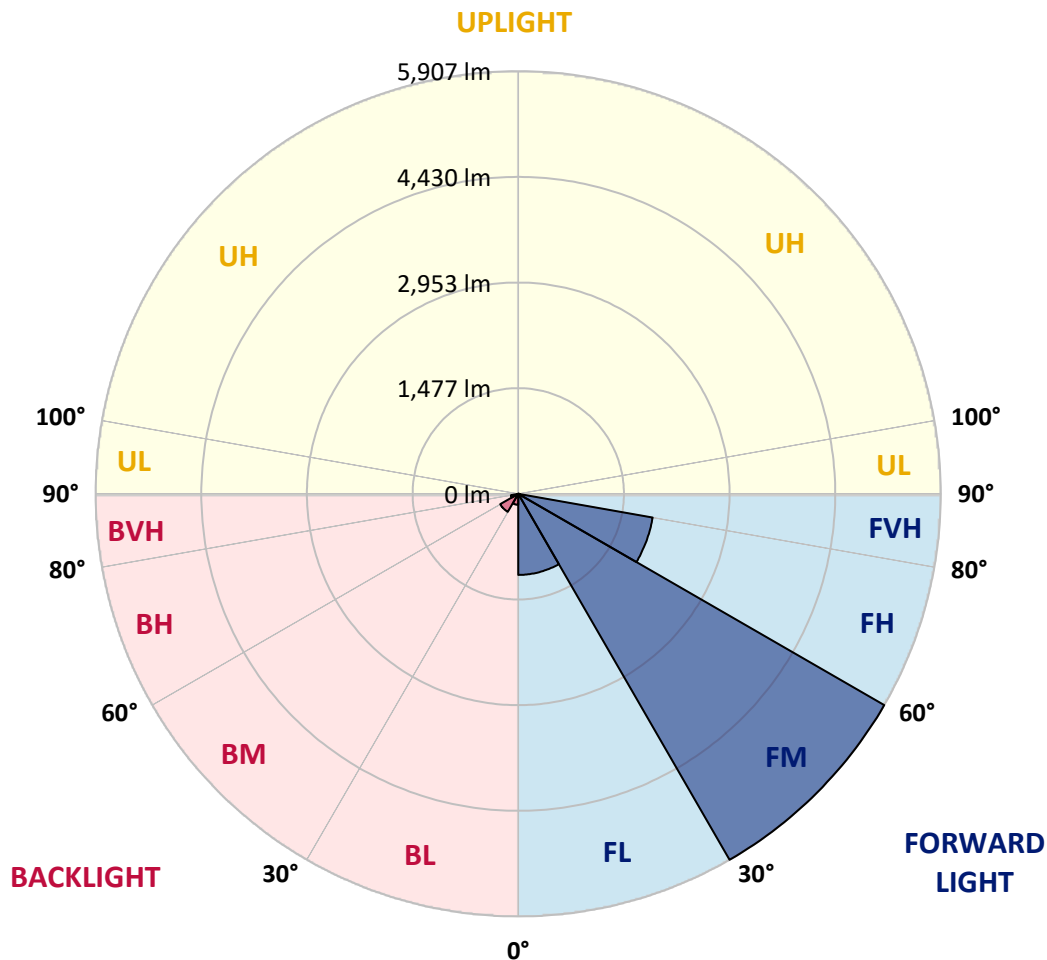
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1133.7	11.9			
FM (30°-60°)	5906.9	62.1			
FH (60°-80°)	1908.3	20.0			G2/5000
FVH (80°-90°)	21.3	0.2			G1/100
BL (0°-30°)	153.4	1.6	B1/500		
BM (30°-60°)	290.7	3.1	B1/1000		
BH (60°-80°)	103.1	1.1	B0/110		G0/110
BVH (80°-90°)	1.9	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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	797.3	797.3	797.3	797.3	797.3	797.3	797.3	797.3	797.3	797.3	797.3
2.5°	1166.6	1156.0	1135.0	1127.8	1096.9	1049.0	1006.8	950.3	905.7	901.0	847.1
5°	1562.2	1538.6	1528.8	1481.4	1407.2	1337.4	1217.9	1127.2	1022.7	1014.8	906.3
7.5°	1943.5	1910.6	1900.7	1856.0	1769.3	1659.5	1504.4	1339.5	1173.8	1158.7	985.8
10°	2219.5	2224.1	2206.4	2176.8	2106.5	1994.7	1803.4	1578.1	1342.1	1323.0	1075.2
12.5°	2417.3	2416.7	2420.0	2419.3	2381.8	2297.0	2095.9	1836.3	1527.4	1489.9	1177.7
15°	2546.1	2548.1	2558.0	2592.1	2596.1	2543.5	2375.9	2083.4	1742.3	1695.7	1288.8
17.5°	2676.2	2690.1	2705.8	2738.0	2767.0	2745.9	2627.6	2341.1	1936.9	1902.0	1407.8
20°	2891.2	2910.3	2901.0	2920.8	2935.8	2937.9	2846.4	2579.0	2172.8	2114.4	1543.8
22.5°	3234.9	3234.2	3210.6	3175.1	3145.5	3144.2	3061.4	2823.5	2387.1	2330.6	1680.6
25°	3669.4	3671.3	3625.3	3524.1	3450.5	3360.5	3265.2	3037.8	2616.4	2546.8	1824.5
27.5°	4167.5	4155.0	4085.4	3946.1	3800.1	3646.3	3509.0	3286.8	2859.7	2801.8	1989.5
30°	4615.1	4610.5	4529.0	4358.8	4166.9	4012.4	3813.3	3599.1	3174.4	3103.5	2174.2
32.5°	5031.8	5038.3	4925.3	4749.2	4563.9	4385.7	4175.4	3897.4	3483.3	3382.8	2375.2
35°	5357.2	5363.7	5246.7	5100.2	4909.6	4761.7	4561.2	4215.5	3788.3	3703.5	2606.6
37.5°	5530.7	5539.2	5471.5	5361.0	5242.1	5167.9	4981.2	4625.0	4159.0	4107.7	2880.0
40°	5563.5	5573.4	5543.8	5514.2	5507.6	5560.9	5506.4	5107.4	4672.9	4592.8	3287.5
42.5°	5464.9	5478.0	5491.2	5556.9	5691.0	5886.2	6076.1	5762.0	5334.8	5227.0	3785.7
45°	5206.0	5204.6	5256.6	5426.8	5727.1	6143.8	6671.6	6581.6	6236.5	6108.4	4489.6
47.5°	4763.0	4756.4	4868.8	5111.3	5579.3	6191.2	7157.3	7576.7	7387.3	7269.0	5246.1
50°	4088.0	4120.2	4297.0	4635.5	5211.8	6047.9	7307.1	8229.3	8331.8	8206.2	5857.3
52.5°	3297.4	3296.0	3573.4	4032.8	4667.7	5732.4	7202.7	8347.5	8638.7	8542.8	6158.3
55°	2440.3	2457.4	2745.9	3209.3	3961.2	5156.7	6861.6	8226.0	8755.7	8688.0	6356.8
57°	1815.3	1845.5	2076.8	2567.2	3346.0	4586.8	6407.4	8008.4	8801.7	8764.9	6521.8
57.5°	1694.4	1695.7	1921.1	2366.7	3165.9	4368.0	6277.2	7917.8	8800.4	8780.0	6548.7
60°	1043.0	1075.9	1231.6	1599.8	2317.4	3409.1	5405.1	7396.5	8732.0	8761.6	6663.7
62.5°	624.4	638.2	739.4	964.2	1493.9	2488.3	4423.2	6729.4	8553.9	8644.0	6655.8
65°	401.6	404.9	450.9	583.7	933.9	1681.8	3408.4	5848.1	8093.2	8258.8	6395.6
67.5°	310.2	315.5	333.9	383.2	541.6	1047.6	2410.7	4907.6	7347.9	7561.5	5764.6
70°	275.3	278.0	284.6	300.3	358.2	591.5	1499.8	3833.7	6093.2	6153.7	4511.3
72.5°	224.8	232.0	252.4	257.6	283.9	369.4	834.7	2573.0	4093.9	4109.0	2523.8
75°	174.2	175.5	205.7	220.8	239.3	254.3	372.6	1297.4	1966.4	1861.3	972.7
77.5°	130.1	136.1	149.9	168.9	195.2	182.1	166.9	489.0	610.6	599.4	282.6
80°	83.4	86.8	104.5	126.8	151.8	119.0	94.0	143.3	134.1	138.0	67.7
82.5°	42.0	42.7	67.0	103.2	96.6	59.8	59.1	58.5	50.0	49.3	31.5
85°	4.6	9.8	43.4	59.1	43.4	19.7	27.6	26.9	26.3	26.9	18.4
87.5°	0.7	0.7	7.2	8.6	5.9	6.6	7.9	8.6	10.5	9.8	7.9
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°	797.3	797.3	797.3	797.3	797.3	797.3	797.3	797.3	797.3	797.3	797.3
2.5°	820.9	794.6	746.0	699.3	664.5	642.1	613.2	602.7	587.6	585.6	578.4
5°	856.4	806.4	721.7	654.6	600.7	559.9	524.4	494.9	471.2	466.0	468.6
7.5°	907.0	832.8	714.4	623.1	548.2	478.4	421.9	387.1	362.1	353.0	354.2
10°	964.2	867.6	713.1	589.5	475.2	389.7	328.0	297.0	282.6	277.4	271.5
12.5°	1031.8	907.6	709.8	537.7	395.0	310.8	266.8	248.4	234.6	230.7	230.7
15°	1108.1	950.3	694.1	473.2	320.8	257.0	227.4	212.9	208.3	204.4	204.4
17.5°	1187.7	992.5	661.2	393.7	266.2	220.2	201.8	193.3	186.6	182.1	182.1
20°	1278.3	1033.8	608.6	323.4	224.8	196.5	182.1	172.2	166.9	163.0	161.6
22.5°	1364.4	1067.3	541.6	265.5	195.9	176.8	163.7	153.1	147.8	145.9	145.9
25°	1453.8	1087.7	460.7	219.5	178.8	160.4	145.9	137.3	132.8	131.4	130.8
27.5°	1540.5	1099.5	389.7	191.9	163.0	145.2	131.4	124.9	120.3	119.0	119.6
30°	1645.8	1101.5	320.8	172.2	149.2	130.8	118.3	112.4	109.8	108.4	107.8
32.5°	1752.2	1098.9	269.5	160.4	136.1	118.3	107.8	103.2	101.2	99.2	99.2
35°	1871.8	1085.1	229.3	148.5	123.5	107.8	98.6	94.6	92.0	90.1	89.4
37.5°	2020.3	1077.8	206.4	135.4	112.4	97.9	89.4	85.4	83.4	80.8	80.1
40°	2254.3	1110.0	199.1	123.5	101.2	88.7	80.8	76.3	73.6	71.0	70.3
42.5°	2546.1	1166.6	187.3	111.8	91.3	80.1	72.3	67.0	62.4	59.1	57.9
45°	2924.1	1240.9	168.9	99.2	82.8	71.0	63.7	57.2	51.3	48.6	47.9
47.5°	3320.4	1312.5	152.5	89.4	73.6	63.1	55.2	47.9	42.7	40.8	40.1
50°	3563.6	1326.9	142.0	78.2	64.4	54.6	46.7	40.1	36.8	34.8	34.8
52.5°	3674.6	1304.0	127.5	68.4	55.8	47.9	40.1	34.8	32.9	31.5	30.9
55°	3752.1	1268.5	108.4	59.1	47.9	40.8	35.5	31.5	28.9	27.6	26.9
57°	3797.5	1220.5	94.0	51.9	41.4	35.5	31.5	28.3	25.7	23.0	23.0
57.5°	3799.5	1202.1	90.1	51.3	39.4	34.1	30.9	27.6	24.3	21.7	21.0
60°	3741.0	1075.9	72.3	43.4	31.5	28.9	25.7	21.7	17.1	14.5	13.8
62.5°	3553.1	915.5	59.8	36.8	25.7	22.4	18.4	16.4	11.9	8.6	8.6
65°	3268.5	742.7	51.3	29.6	21.0	16.4	12.4	11.9	7.2	4.0	3.3
67.5°	2857.0	578.4	43.4	24.3	17.7	11.9	8.6	7.9	4.0	1.3	0.0
70°	2176.8	394.3	36.2	19.7	13.1	8.6	5.9	4.6	2.6	0.7	0.0
72.5°	1254.7	216.9	30.2	15.1	9.8	6.6	4.6	2.6	2.6	0.0	0.0
75°	448.3	93.4	23.0	11.2	7.9	5.3	3.3	1.3	1.9	0.7	0.0
77.5°	142.6	50.0	15.1	8.6	6.6	4.0	2.6	1.3	1.3	0.7	0.0
80°	42.0	26.3	9.2	7.2	4.6	3.3	1.9	0.7	1.3	0.7	0.0
82.5°	23.0	13.1	7.2	5.3	4.6	2.6	1.9	0.7	0.7	0.7	0.0
85°	11.9	7.9	5.9	5.3	4.6	2.6	1.9	0.7	0.0	0.7	0.7
87.5°	6.6	5.9	5.9	5.3	4.6	3.3	1.9	0.7	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)