

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: P533959

Luminaire Tested: **GLAN-SA9B-830-U-T2-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533959
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-13)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA9B-830-U-T2-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24181 lumens
Efficiency: N/A
Efficacy: 66.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

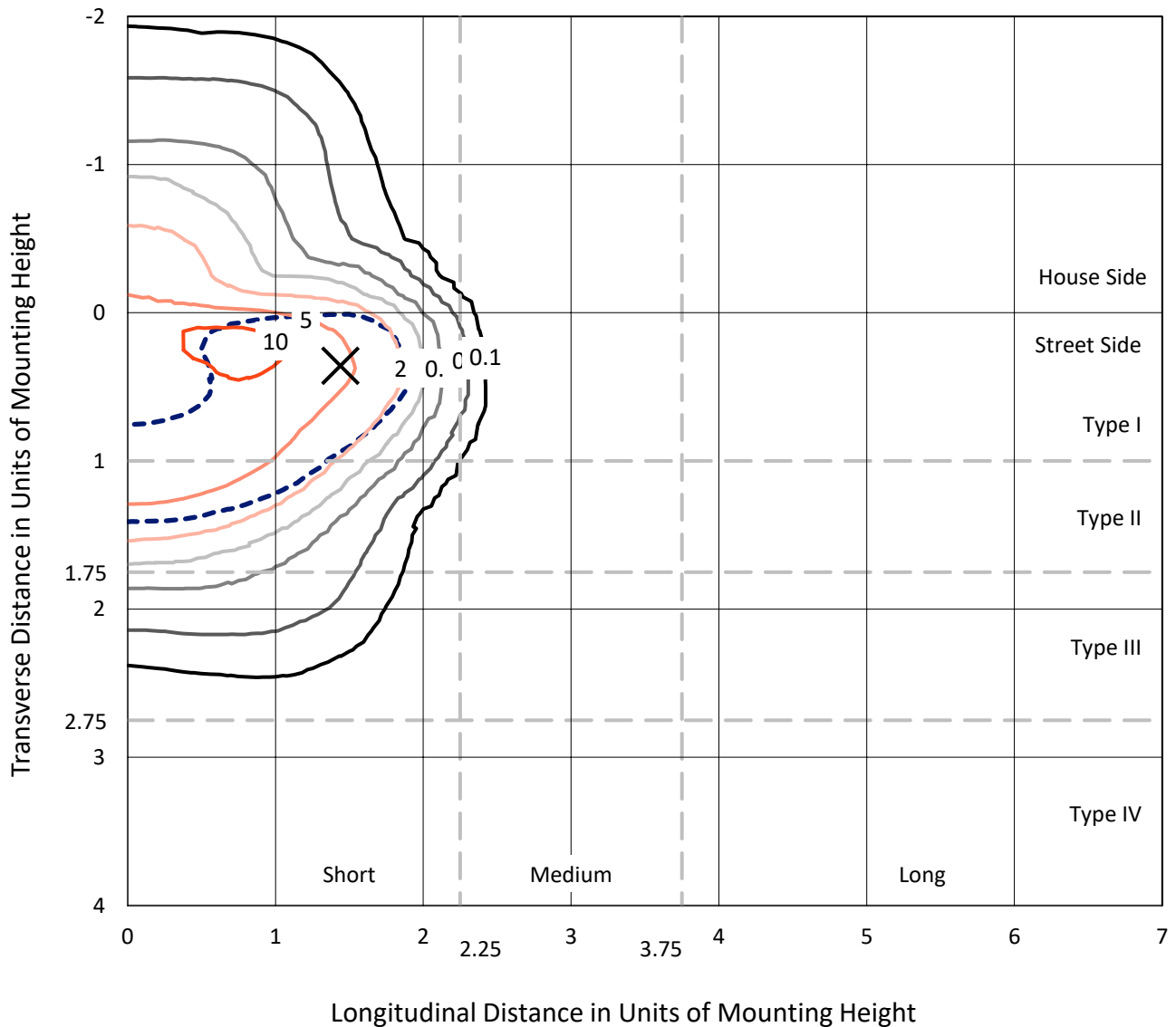
Input Watts (W): 364
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

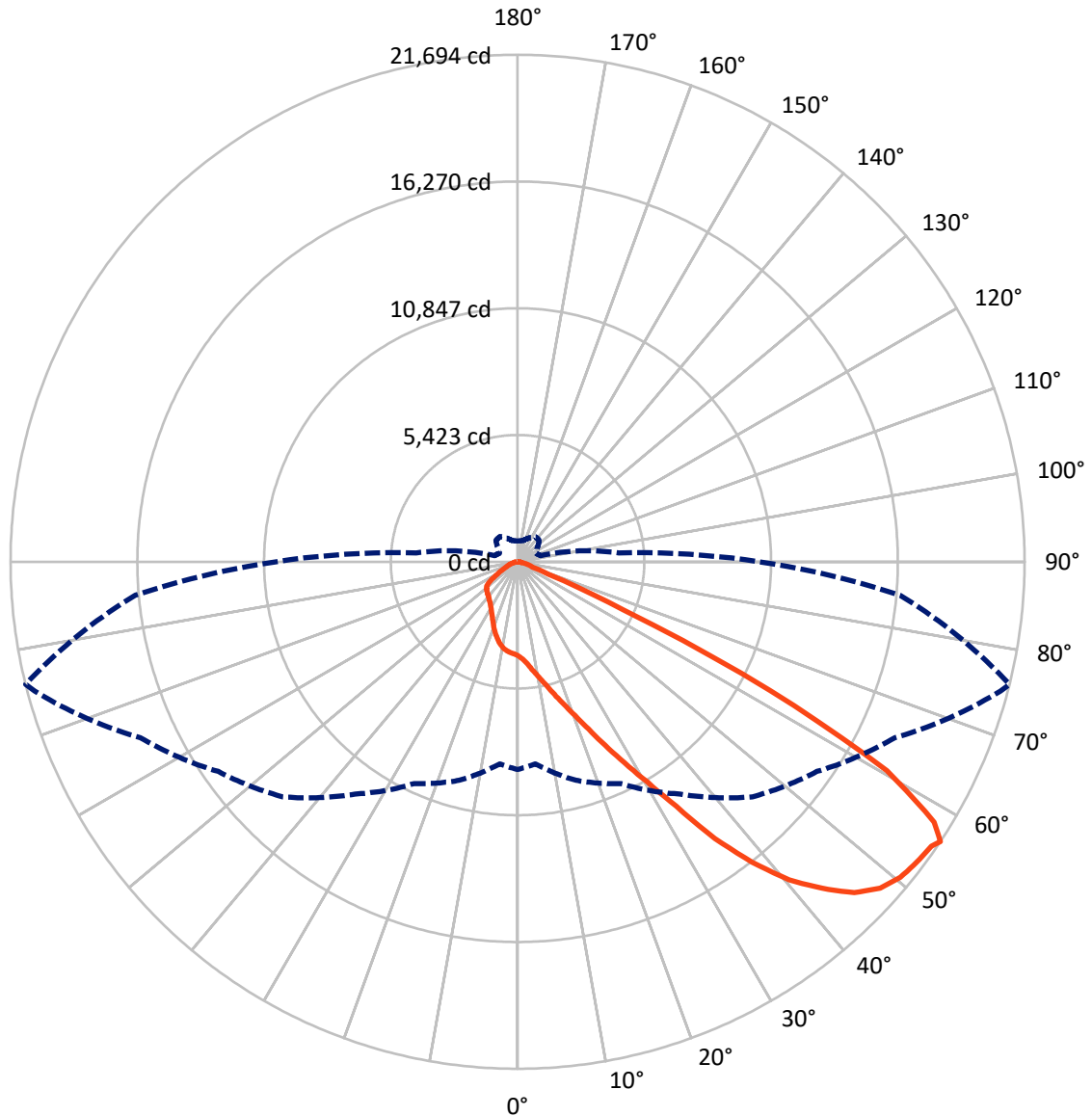
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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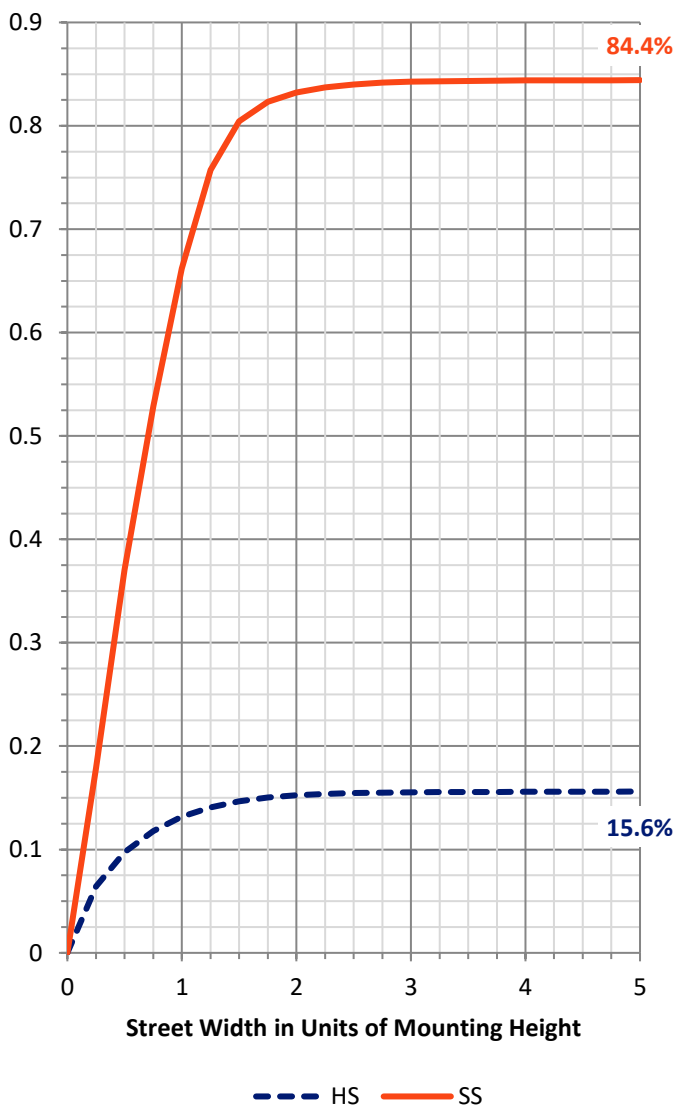
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3798.7	0.0	3798.7
	% Fixture	15.7	0.0	15.7
Street Side	Lumens	20382.3	0.0	20382.3
	% Fixture	84.3	0.0	84.3
Total	Lumens	24181.0	0.0	24181.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	405.5	1.7
10°-20°	1302.6	5.4
20°-30°	2361.9	9.8
30°-40°	4073.3	16.8
40°-50°	6617.2	27.4
50°-60°	6974.8	28.8
60°-70°	2131.1	8.8
70°-80°	273.2	1.1
80°-90°	41.5	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°	24181.0	100.0
0°-180°	24181.0	100.0

Coefficient of Utilization

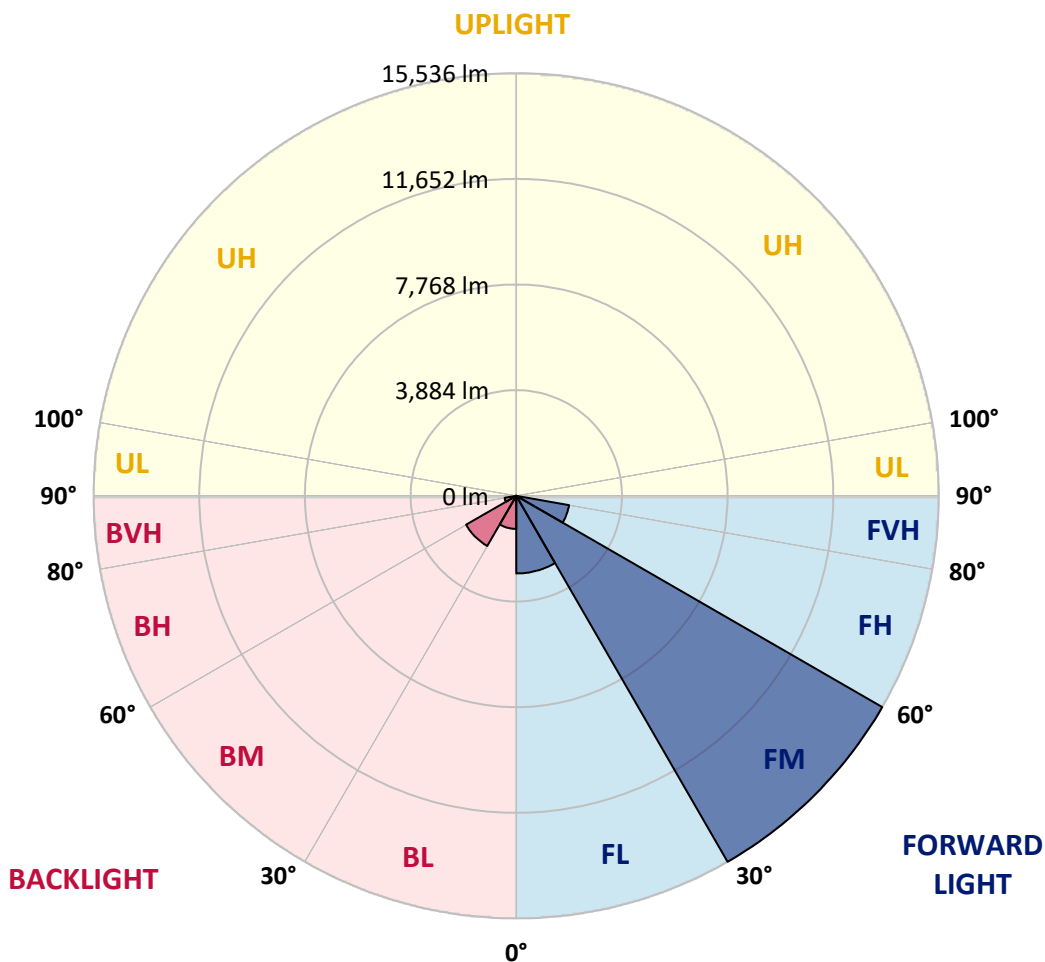


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2854.8	11.8			
FM (30°-60°)	15536.3	64.2			
FH (60°-80°)	1970.9	8.2			G2/5000
FVH (80°-90°)	20.3	0.1			G1/100
BL (0°-30°)	1215.2	5.0	B3/2500		
BM (30°-60°)	2129.0	8.8	B2/2500		
BH (60°-80°)	433.4	1.8	B1/500		G1/500
BVH (80°-90°)	21.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	4025.0	4025.0	4025.0	4025.0	4025.0	4025.0	4025.0	4025.0	4025.0	4025.0	4025.0
2.5°	4635.6	4528.6	4533.1	4524.2	4510.8	4461.8	4314.7	4292.4	4194.3	4167.6	4078.5
5°	5192.8	5099.2	5152.7	5072.4	4996.7	4952.1	4711.4	4600.0	4444.0	4386.0	4261.2
7.5°	5540.5	5495.9	5478.1	5482.5	5411.2	5299.8	5192.8	4947.6	4738.1	4693.6	4430.6
10°	5709.8	5683.1	5709.8	5696.5	5727.7	5741.0	5553.8	5406.7	5099.2	5023.4	4613.3
12.5°	5749.9	5803.4	5825.7	5883.7	5959.4	6088.7	6075.3	5874.8	5464.7	5415.6	4894.1
15°	5848.0	5892.6	5870.3	5963.9	6106.5	6324.9	6440.8	6409.6	5968.4	5879.2	5219.5
17.5°	5937.2	5856.9	5932.7	6119.9	6262.5	6596.8	6877.7	7006.9	6516.6	6414.1	5518.2
20°	6057.5	6035.2	6021.8	6115.4	6369.5	6815.2	7372.4	7608.7	7131.7	7024.7	5946.1
22.5°	6423.0	6427.5	6418.5	6280.4	6463.1	6966.8	7804.8	8388.7	7867.2	7778.0	6431.9
25°	6904.4	6846.5	6801.9	6690.4	6668.2	7105.0	8241.6	9342.6	8749.7	8687.3	6957.9
27.5°	7412.5	7412.5	7278.8	7176.3	7033.7	7448.2	8642.8	10269.7	9815.0	9730.3	7417.0
30°	7965.2	7996.4	7978.6	7760.2	7671.1	7822.6	9052.8	11455.3	11036.3	10929.4	8174.7
32.5°	8780.9	8714.1	8789.8	8607.1	8344.1	8477.8	9699.1	12516.2	12623.1	12471.6	9168.7
35°	9859.6	9819.5	9770.5	9471.8	9159.8	9266.8	10612.9	13822.2	14615.6	14539.8	10171.6
37.5°	10826.8	10804.6	10764.4	10559.4	10198.4	10327.6	11651.4	15181.6	16559.0	16309.3	11589.0
40°	11843.1	11963.5	11834.2	11651.4	11321.6	11606.9	12872.8	15988.4	18194.8	17891.7	12672.2
42.5°	13220.4	13126.8	13184.8	12850.5	12672.2	12984.2	14098.5	16795.2	19465.1	19104.1	13822.2
45°	14686.9	14691.3	14535.3	14428.4	13964.8	14303.6	14851.8	17240.9	20476.9	20196.1	14691.3
47.5°	15627.4	15622.9	15792.3	15961.7	15484.7	15150.4	15364.4	17664.4	20998.5	20869.2	15007.8
50°	15480.3	15524.9	15743.3	16376.2	16625.8	16175.6	15845.8	17539.6	21234.7	21221.3	15279.7
52.5°	13465.6	13612.7	13978.2	14891.9	16148.9	16706.1	16349.5	17771.4	21350.6	21372.9	15685.3
55°	10251.8	10332.1	11027.4	12137.3	13528.0	15435.7	16148.9	17954.1	21439.7	21479.8	16175.6
56°	8892.4	8678.4	9681.3	10470.3	12132.8	14218.9	15640.8	17811.5	21386.2	21693.8	16420.8
57.5°	6712.7	6570.1	7381.3	8366.4	9966.6	12168.5	14062.9	17138.4	21025.2	21020.7	16068.7
60°	4082.9	3940.3	4564.3	5143.8	6039.7	7492.8	9503.0	13648.3	17775.8	18150.2	13010.9
62.5°	2429.2	2518.4	3133.5	3485.6	3775.4	3926.9	4916.4	8112.3	11860.9	12128.4	8072.2
65°	1618.0	1649.2	2112.8	2692.2	2821.5	2246.5	2001.3	3285.0	5143.8	4978.8	3329.6
67.5°	998.4	1069.8	1417.4	2023.6	2242.0	1640.3	949.4	1225.8	1417.4	1417.4	962.8
70°	606.2	641.9	945.0	1377.3	1537.8	1056.4	690.9	690.9	682.0	668.6	575.0
72.5°	289.7	312.0	481.4	708.7	722.1	557.2	534.9	583.9	570.5	566.1	476.9
75°	124.8	133.7	169.4	222.9	254.1	236.2	325.4	419.0	432.4	419.0	343.2
77.5°	40.1	44.6	62.4	80.2	84.7	102.5	138.2	173.8	200.6	187.2	169.4
80°	4.5	8.9	17.8	40.1	62.4	80.2	102.5	115.9	129.3	129.3	120.3
82.5°	4.5	4.5	17.8	35.7	57.9	75.8	98.1	111.4	129.3	133.7	124.8
85°	0.0	4.5	13.4	31.2	49.0	49.0	44.6	44.6	31.2	31.2	31.2
87.5°	0.0	0.0	4.5	4.5	4.5	8.9	8.9	8.9	8.9	8.9	8.9
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°	4025.0	4025.0	4025.0	4025.0	4025.0	4025.0	4025.0	4025.0	4025.0	4025.0	4025.0
2.5°	4060.6	4051.7	3931.4	3855.6	3815.5	3735.2	3686.2	3650.5	3623.8	3592.6	3597.1
5°	4114.1	4082.9	3882.3	3744.2	3579.2	3490.1	3414.3	3351.9	3311.8	3302.9	3285.0
7.5°	4265.7	4100.7	3797.6	3548.0	3338.5	3249.4	3182.5	3142.4	3160.2	3120.1	3151.3
10°	4381.5	4136.4	3695.1	3334.1	3124.6	3057.7	3022.1	3053.3	3097.8	3080.0	3057.7
12.5°	4524.2	4172.1	3530.2	3129.0	2932.9	2883.9	2946.3	3004.2	3093.4	3129.0	3084.5
15°	4684.6	4212.2	3320.7	2892.8	2768.0	2808.1	2915.1	3017.6	3106.8	3151.3	3178.1
17.5°	4880.8	4198.8	3115.7	2705.6	2612.0	2727.9	2857.1	2950.7	3084.5	3151.3	3133.5
20°	5063.5	4154.2	2888.3	2518.4	2522.8	2629.8	2736.8	2888.3	2959.7	3048.8	3017.6
22.5°	5237.4	4074.0	2652.1	2389.1	2389.1	2554.0	2607.5	2705.6	2768.0	2812.6	2808.1
25°	5482.5	3922.4	2456.0	2264.3	2317.8	2424.8	2469.4	2500.6	2473.8	2509.5	2513.9
27.5°	5656.3	3766.4	2295.5	2152.9	2250.9	2331.2	2317.8	2300.0	2237.6	2188.5	2219.7
30°	5843.6	3583.7	2157.3	2077.1	2130.6	2201.9	2148.4	2094.9	1996.9	1916.6	1921.1
32.5°	6111.0	3499.0	2037.0	1988.0	2059.3	2068.2	2010.3	1930.0	1832.0	1756.2	1751.7
35°	6610.2	3445.5	1934.5	1930.0	1943.4	1947.9	1889.9	1791.8	1751.7	1689.3	1711.6
37.5°	7109.4	3418.8	1863.2	1845.3	1840.9	1845.3	1778.5	1684.9	1760.6	1756.2	1765.1
40°	7746.8	3539.1	1760.6	1738.4	1742.8	1742.8	1658.1	1631.4	1765.1	1778.5	1782.9
42.5°	8393.1	3690.7	1693.8	1622.5	1640.3	1640.3	1595.7	1564.5	1658.1	1569.0	1555.6
45°	8954.8	3913.5	1622.5	1506.6	1551.1	1573.4	1560.1	1506.6	1448.6	1297.1	1297.1
47.5°	9137.5	4109.7	1537.8	1395.1	1430.8	1528.9	1488.7	1377.3	1274.8	1150.0	1141.1
50°	9458.4	4323.6	1470.9	1265.9	1341.7	1462.0	1421.9	1310.5	1194.6	1105.4	1109.9
52.5°	9788.3	4568.8	1346.1	1114.3	1207.9	1408.5	1408.5	1283.7	1105.4	1043.0	1034.1
55°	10283.0	4559.8	1123.2	913.8	1078.7	1328.3	1350.6	1150.0	989.5	940.5	940.5
56°	10354.4	4354.8	1011.8	855.8	1020.7	1306.0	1310.5	1114.3	945.0	891.5	891.5
57.5°	9819.5	3931.4	887.0	784.5	949.4	1265.9	1270.3	1083.1	909.3	833.5	824.6
60°	7555.2	2661.0	739.9	699.8	860.3	1141.1	1163.4	985.1	797.9	739.9	735.5
62.5°	4265.7	1475.4	650.8	632.9	739.9	971.7	1038.6	860.3	677.5	646.3	655.2
65°	1947.9	811.2	548.3	512.6	597.3	748.8	838.0	708.7	557.2	521.5	521.5
67.5°	713.2	552.7	468.0	405.6	419.0	485.8	543.8	459.1	370.0	316.5	329.8
70°	508.1	463.6	410.1	352.1	325.4	316.5	312.0	258.5	182.8	142.6	151.5
72.5°	410.1	383.3	343.2	298.6	254.1	214.0	182.8	133.7	84.7	57.9	53.5
75°	294.2	280.8	249.6	214.0	178.3	151.5	124.8	84.7	44.6	22.3	22.3
77.5°	151.5	151.5	147.1	133.7	111.4	89.1	71.3	49.0	26.7	8.9	8.9
80°	115.9	124.8	129.3	115.9	102.5	80.2	57.9	35.7	17.8	4.5	4.5
82.5°	111.4	129.3	138.2	120.3	102.5	75.8	57.9	35.7	17.8	4.5	4.5
85°	26.7	26.7	40.1	44.6	57.9	62.4	49.0	31.2	13.4	4.5	4.5
87.5°	8.9	8.9	8.9	8.9	8.9	8.9	4.5	4.5	4.5	4.5	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)