

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: P654413

Luminaire Tested: **GLAN-SA6B-840-U-AFL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P654413
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-28)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6B-840-U-AFL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25606.8 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

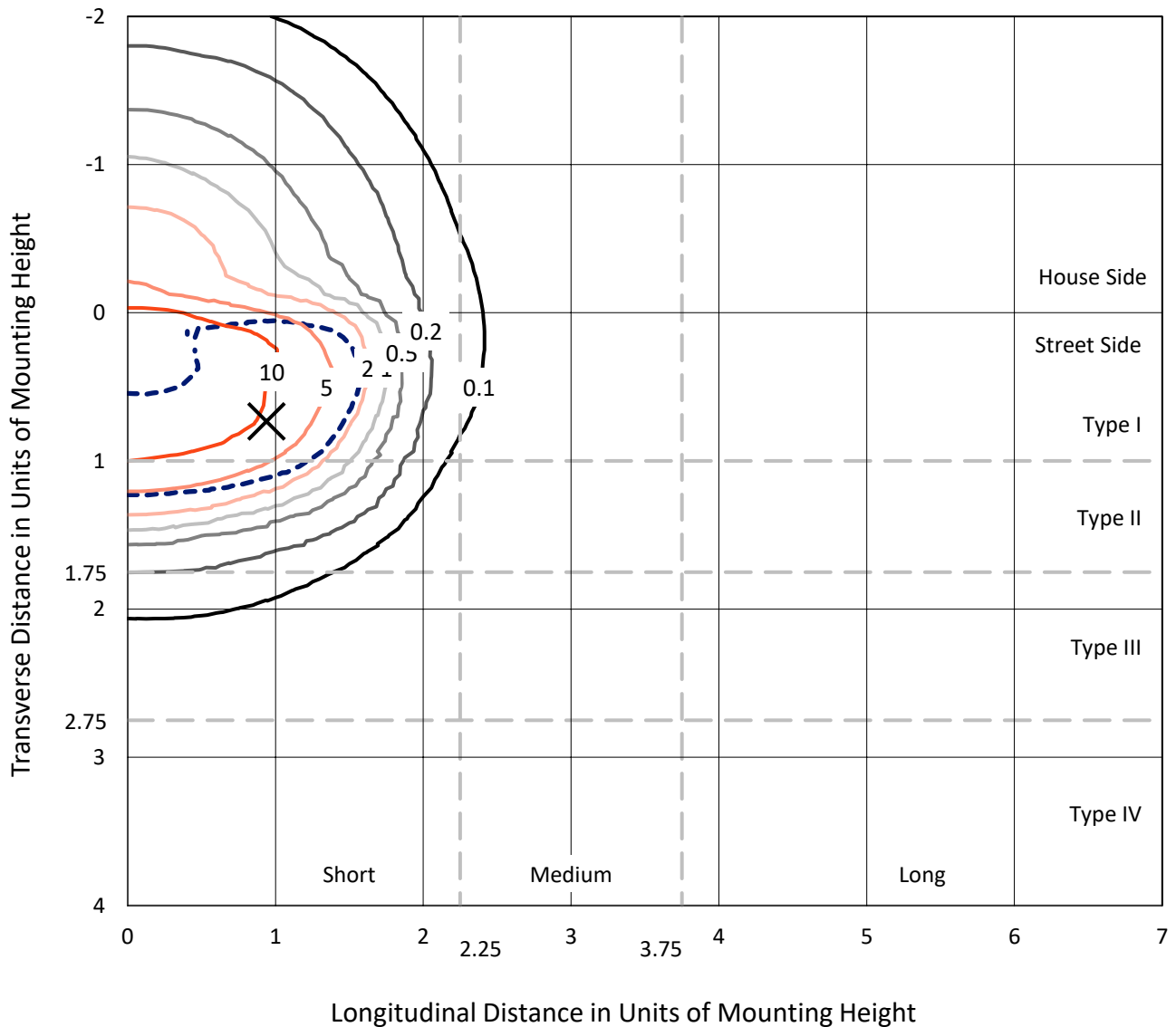
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

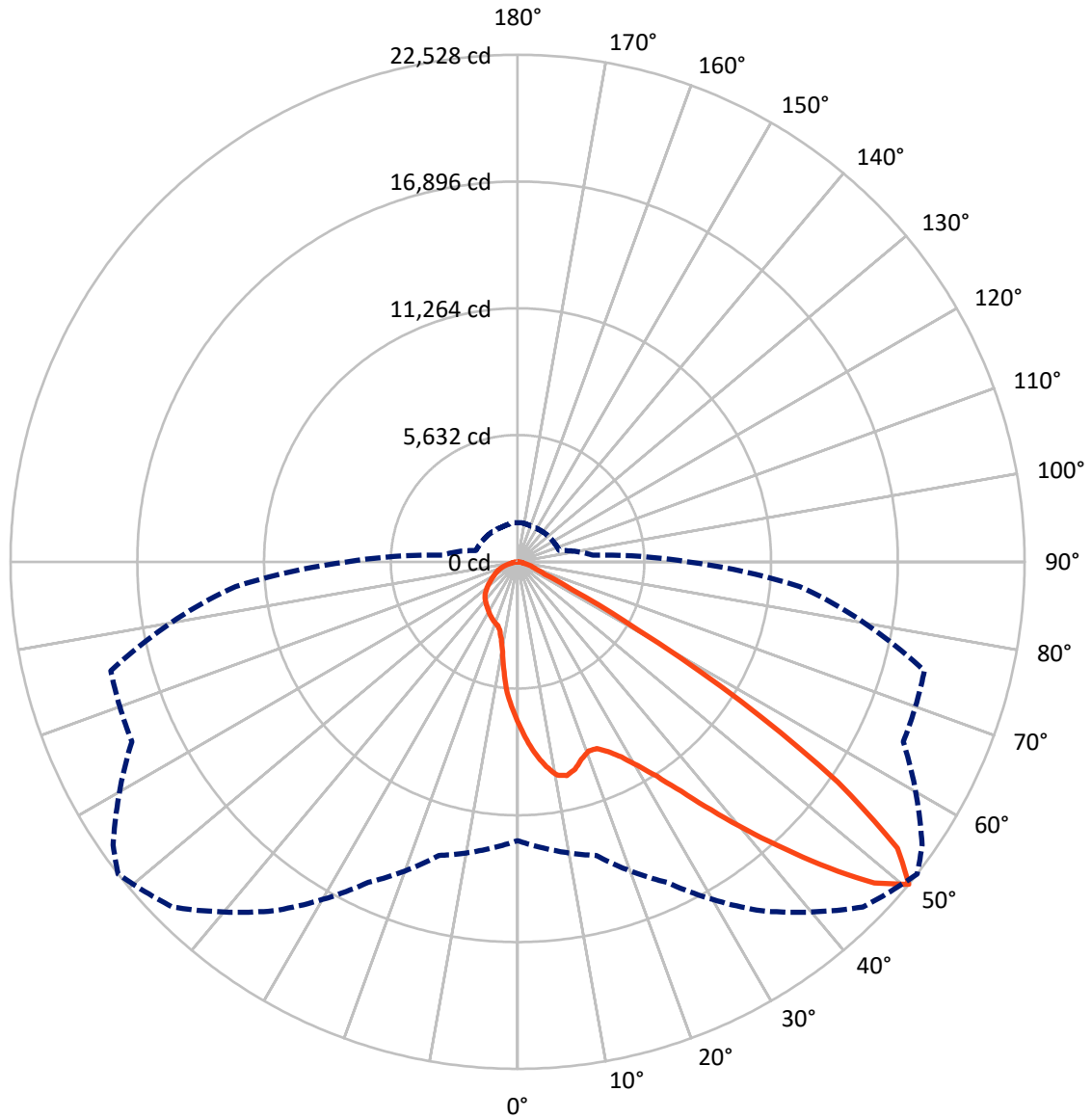
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 52-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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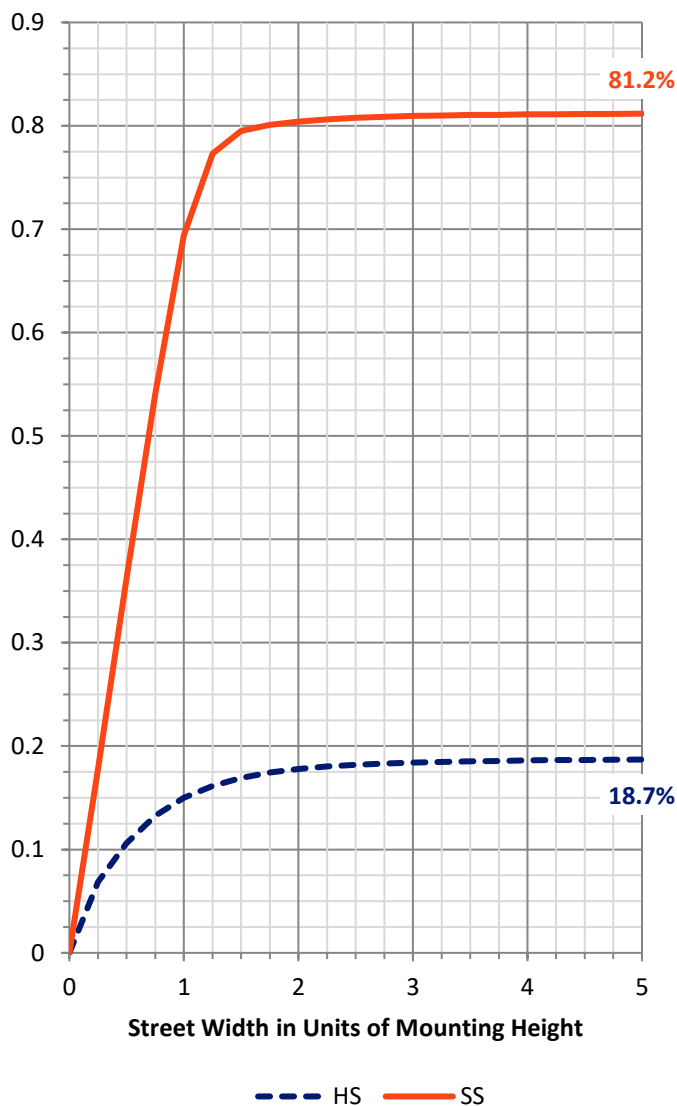
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4813.5	0.0	4813.5
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	20793.3	0.0	20793.3
	% Fixture	81.2	0.0	81.2
Total	Lumens	25606.8	0.0	25606.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	665.3	2.6
10°-20°	1783.1	7.0
20°-30°	3003.6	11.7
30°-40°	5040.4	19.7
40°-50°	7710.5	30.1
50°-60°	5621.6	22.0
60°-70°	1251.1	4.9
70°-80°	451.3	1.8
80°-90°	79.9	0.3
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°	25606.8	100.0
0°-180°	25606.8	100.0

Coefficient of Utilization

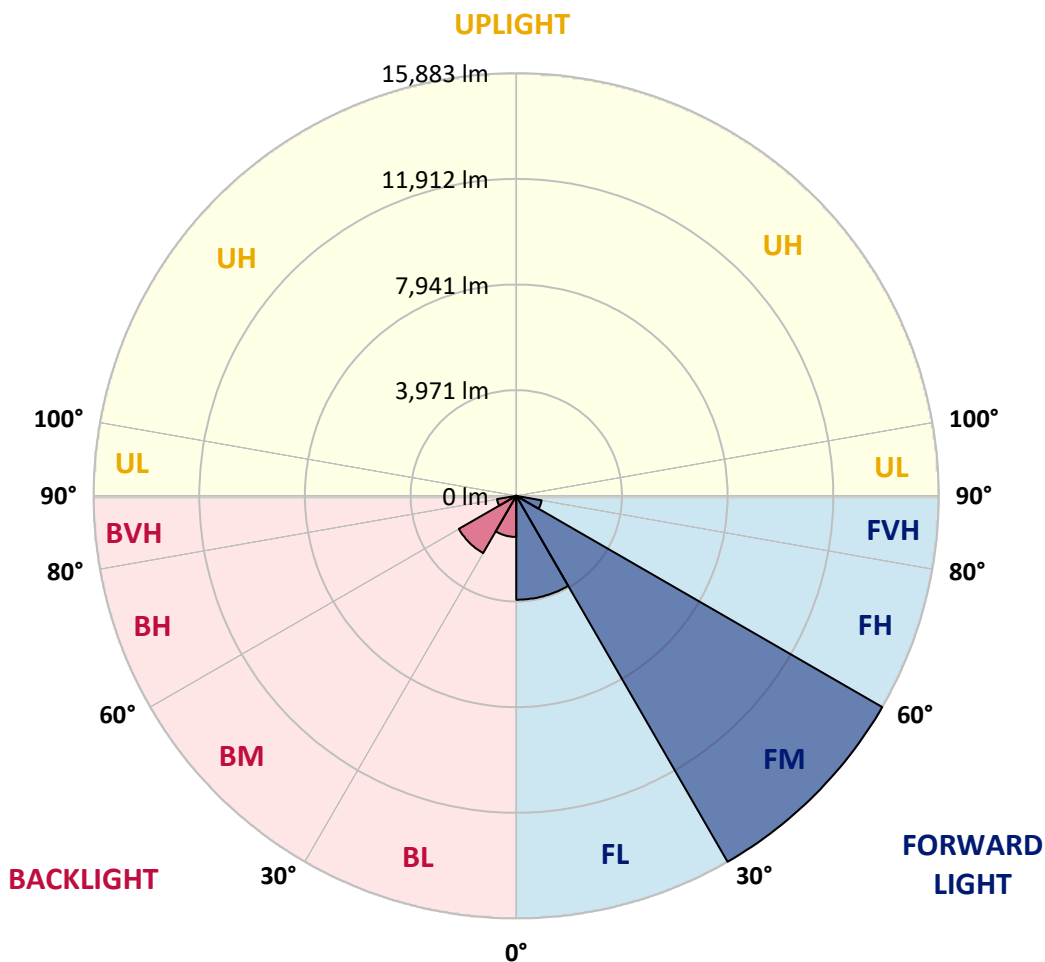


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3905.9	15.3			
FM (30°-60°)	15882.6	62.0			
FH (60°-80°)	969.0	3.8			G1/1800
FVH (80°-90°)	35.8	0.1			G1/100
BL (0°-30°)	1546.2	6.0	B3/2500		
BM (30°-60°)	2489.9	9.7	B2/2500		
BH (60°-80°)	733.4	2.9	B2/1000		G2/1000
BVH (80°-90°)	44.1	0.2			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°	52°	55°	65°	75°	85°
0°	7218.1	7218.1	7218.1	7218.1	7218.1	7218.1	7218.1	7218.1	7218.1	7218.1	7218.1
2.5°	8498.8	8335.2	8353.7	8236.5	8110.0	8072.9	7943.3	7819.9	7727.3	7529.8	7347.7
5°	9288.8	9239.5	9165.4	9072.8	8977.2	8742.6	8609.9	8455.6	8116.2	7810.6	7508.2
7.5°	9403.0	9393.7	9433.8	9433.8	9467.8	9378.3	9190.0	9082.0	8721.0	8224.1	7662.5
10°	8600.7	8628.4	8822.8	9075.9	9427.7	9671.5	9640.6	9612.9	9217.9	8538.9	7844.6
12.5°	7961.8	7900.1	8014.3	8230.4	8758.0	9347.5	9745.5	9748.6	9646.8	9041.9	7977.3
15°	7600.8	7644.0	7674.9	7776.7	8174.8	8856.8	9557.3	9764.1	10211.5	9396.8	8187.1
17.5°	7832.2	7687.2	7681.0	7705.7	7909.4	8421.7	9208.6	9563.4	10520.2	9853.6	8446.3
20°	8134.7	8131.5	8045.2	8014.3	8011.2	8467.9	8980.2	9461.7	10683.7	10446.1	8708.6
22.5°	8665.4	8665.4	8523.5	8455.6	8310.6	8684.0	9011.1	9338.2	10955.3	10853.4	8835.2
25°	9554.2	9409.2	9165.4	8998.7	8915.4	9048.2	9338.2	9631.4	11192.9	11285.5	9097.5
27.5°	10375.1	10146.7	10026.4	9739.4	9628.3	9551.2	9816.5	10112.8	11470.7	11958.2	9239.5
30°	11307.1	11267.0	11050.9	10680.6	10405.9	10264.0	10507.8	10801.0	11979.8	12646.4	9566.5
32.5°	12973.5	12609.4	12316.2	11862.6	11415.1	11112.6	11353.3	11547.8	12825.3	13365.4	9924.6
35°	14772.6	14655.4	14149.2	13331.4	12646.4	12374.8	12516.8	12661.8	13809.8	14464.0	10526.3
37.5°	16540.9	16380.4	15963.8	15275.7	14442.4	13890.0	13991.9	14161.6	14914.5	15945.3	11260.7
40°	17812.3	17614.8	17405.0	17303.2	16476.1	15720.1	15661.4	15704.6	16408.2	17334.0	12075.5
42.5°	17904.9	18148.7	18213.5	18623.9	18429.5	17809.3	17448.1	17457.4	17833.9	18707.3	12899.4
45°	17710.5	17485.2	17963.5	19083.7	19725.7	20015.7	19407.8	19330.6	18716.5	19503.5	13309.8
47.5°	15670.6	15732.3	16540.9	18312.3	20166.9	21463.1	21321.1	21064.9	19188.7	19475.6	13245.1
50°	12387.2	12760.6	13510.4	15716.9	18932.5	21691.4	22527.7	21935.2	18907.9	18710.3	12584.6
52.5°	8248.9	8403.1	8896.9	11745.2	15223.2	19389.3	21139.0	21274.8	18648.6	17707.4	11748.3
55°	3672.3	3659.9	4354.4	6134.9	9551.2	14754.1	17272.3	18099.3	17651.8	16685.9	10933.7
57.5°	1555.3	1607.8	1891.7	2650.8	4696.9	8903.1	11702.1	12427.3	13575.3	13701.7	8387.7
60°	1052.3	1058.5	1135.6	1327.0	1965.8	4181.5	6138.0	7008.3	7829.1	7773.6	4450.0
62.5°	827.0	848.7	907.3	984.4	1166.5	1897.9	2746.5	3231.0	3283.5	2761.9	1688.1
65°	706.7	709.8	768.4	833.2	913.4	1104.8	1323.9	1348.5	1364.0	1314.7	1240.6
67.5°	583.2	589.5	635.7	709.8	783.8	845.5	907.3	938.1	1009.1	1148.0	1129.5
70°	462.9	472.1	512.3	574.0	641.9	678.9	756.1	783.8	848.7	956.6	999.9
72.5°	351.8	354.9	388.8	432.0	493.8	530.8	595.6	626.5	669.7	762.2	802.4
75°	253.1	262.3	287.0	308.6	317.9	342.5	404.3	438.2	499.9	540.0	543.1
77.5°	132.7	138.8	145.1	145.1	175.9	222.2	262.3	280.8	324.0	354.9	339.4
80°	52.5	55.5	71.0	95.7	123.5	160.5	188.2	197.5	234.6	253.1	262.3
82.5°	30.9	34.0	46.3	67.9	89.5	114.2	135.8	145.1	169.7	191.3	197.5
85°	15.4	18.5	27.8	43.2	58.6	71.0	67.9	64.8	64.8	61.7	64.8
87.5°	6.1	6.1	9.3	9.3	9.3	12.4	15.4	15.4	15.4	18.5	18.5
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°	7218.1	7218.1	7218.1	7218.1	7218.1	7218.1	7218.1	7218.1	7218.1	7218.1	7218.1
2.5°	7227.4	7103.9	6989.7	6779.9	6551.6	6486.7	6221.4	6125.7	6057.8	5977.6	5952.9
5°	7264.4	7100.8	6733.6	6310.9	5974.5	5542.4	5258.5	4953.0	4730.8	4675.3	4659.8
7.5°	7341.6	7060.7	6428.1	5789.3	5101.2	4514.8	4067.3	3826.6	3613.7	3601.3	3579.7
10°	7428.0	6940.4	6094.8	5091.9	4212.4	3669.2	3400.8	3295.8	3243.4	3231.0	3224.8
12.5°	7498.9	6915.7	5721.4	4413.0	3582.8	3255.7	3175.4	3166.2	3187.8	3194.0	3206.3
15°	7529.8	6817.0	5270.9	3805.0	3190.9	3070.6	3104.5	3141.6	3156.9	3197.1	3166.2
17.5°	7588.4	6690.4	4715.4	3323.6	2971.8	2993.4	3052.1	3095.2	3119.9	3147.7	3107.6
20°	7619.3	6576.2	4193.8	3036.6	2894.6	2934.8	3015.0	3049.0	3079.8	3092.2	3045.8
22.5°	7591.5	6341.7	3734.0	2805.2	2820.6	2873.0	2944.0	2981.1	2962.5	2913.1	2885.4
25°	7517.4	6011.5	3255.7	2657.1	2715.7	2808.3	2863.8	2836.0	2802.0	2774.3	2765.0
27.5°	7514.4	5607.2	2910.1	2521.2	2626.2	2752.7	2734.2	2709.5	2724.9	2703.3	2678.7
30°	7529.8	5215.3	2626.2	2444.1	2561.3	2623.1	2644.7	2620.0	2638.6	2598.4	2610.7
32.5°	7449.6	4832.6	2441.0	2354.6	2484.2	2481.1	2552.1	2570.6	2527.5	2444.1	2456.5
35°	7483.6	4524.1	2283.7	2314.5	2397.8	2397.8	2453.4	2431.8	2317.5	2268.2	2280.5
37.5°	7718.0	4221.7	2206.4	2258.9	2314.5	2339.2	2320.7	2228.1	2200.3	2200.3	2206.4
40°	7940.2	3962.4	2160.2	2246.6	2237.3	2252.8	2117.0	2126.2	2126.2	2129.3	2113.9
42.5°	8137.8	3786.5	2123.2	2172.6	2187.9	2107.7	2024.4	2015.1	2036.7	2033.7	2021.3
45°	8208.7	3641.4	2070.7	2089.2	2101.6	1968.9	1928.7	1910.2	1934.9	1944.1	1956.5
47.5°	7937.2	3521.1	2012.1	1975.0	1950.4	1863.9	1811.5	1777.5	1808.4	1860.9	1873.2
50°	7588.4	3363.7	1919.5	1848.5	1796.0	1759.0	1721.9	1688.1	1709.7	1746.7	1737.4
52.5°	7073.1	3116.8	1802.2	1728.2	1638.7	1647.9	1614.0	1595.5	1607.8	1607.8	1598.6
55°	6338.6	2561.3	1604.7	1552.2	1478.2	1502.9	1509.0	1484.4	1459.6	1481.3	1462.8
57.5°	4326.5	1808.4	1431.9	1431.9	1357.8	1391.8	1388.7	1330.0	1271.4	1277.6	1265.3
60°	2502.7	1441.1	1320.8	1308.4	1231.3	1259.1	1265.3	1225.2	1135.6	1141.8	1129.5
62.5°	1422.6	1231.3	1154.2	1135.6	1120.2	1144.9	1144.9	1092.5	1015.3	1021.5	1009.1
65°	1209.7	1141.8	1030.7	1027.6	1021.5	1027.6	1003.0	947.4	879.5	851.8	854.8
67.5°	1098.6	1055.4	947.4	919.6	901.1	898.0	851.8	799.3	768.4	743.7	740.7
70°	962.9	928.9	848.7	811.6	793.1	749.9	703.6	669.7	626.5	614.1	626.5
72.5°	762.2	759.2	728.3	688.2	648.1	614.1	574.0	527.7	487.6	478.4	456.7
75°	527.7	533.9	540.0	533.9	499.9	456.7	410.4	373.4	324.0	296.3	290.1
77.5°	345.7	354.9	364.2	351.8	330.2	290.1	259.2	212.9	175.9	154.3	151.2
80°	253.1	265.4	271.6	262.3	237.6	206.8	172.8	135.8	108.0	89.5	89.5
82.5°	194.4	206.8	212.9	197.5	172.8	148.1	123.5	95.7	74.1	58.6	55.5
85°	67.9	64.8	77.1	80.2	95.7	89.5	74.1	55.5	43.2	30.9	27.8
87.5°	18.5	18.5	21.6	21.6	18.5	15.4	15.4	15.4	12.4	9.3	9.3
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)