

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: McGRAW-EDISON

Report Number: P530984

Luminaire Tested: **GALN-SA6B-730-U-AFL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530984
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: McGRAW-EDISON
Catalog Number: GALN-SA6B-730-U-AFL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 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: 27729 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

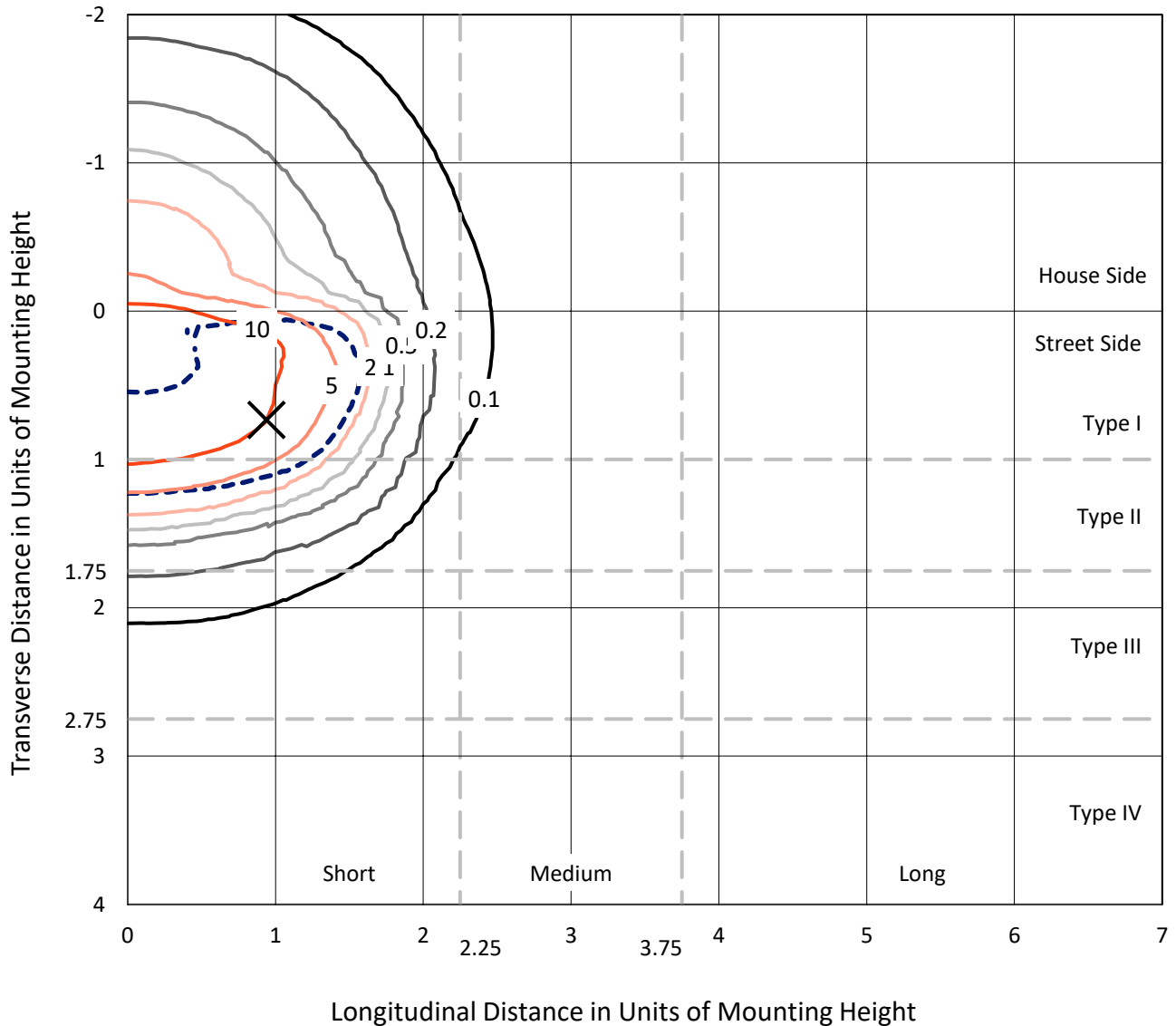
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P530984
 CATALOG NUMBER: GALN-SA6B-730-U-AFL-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

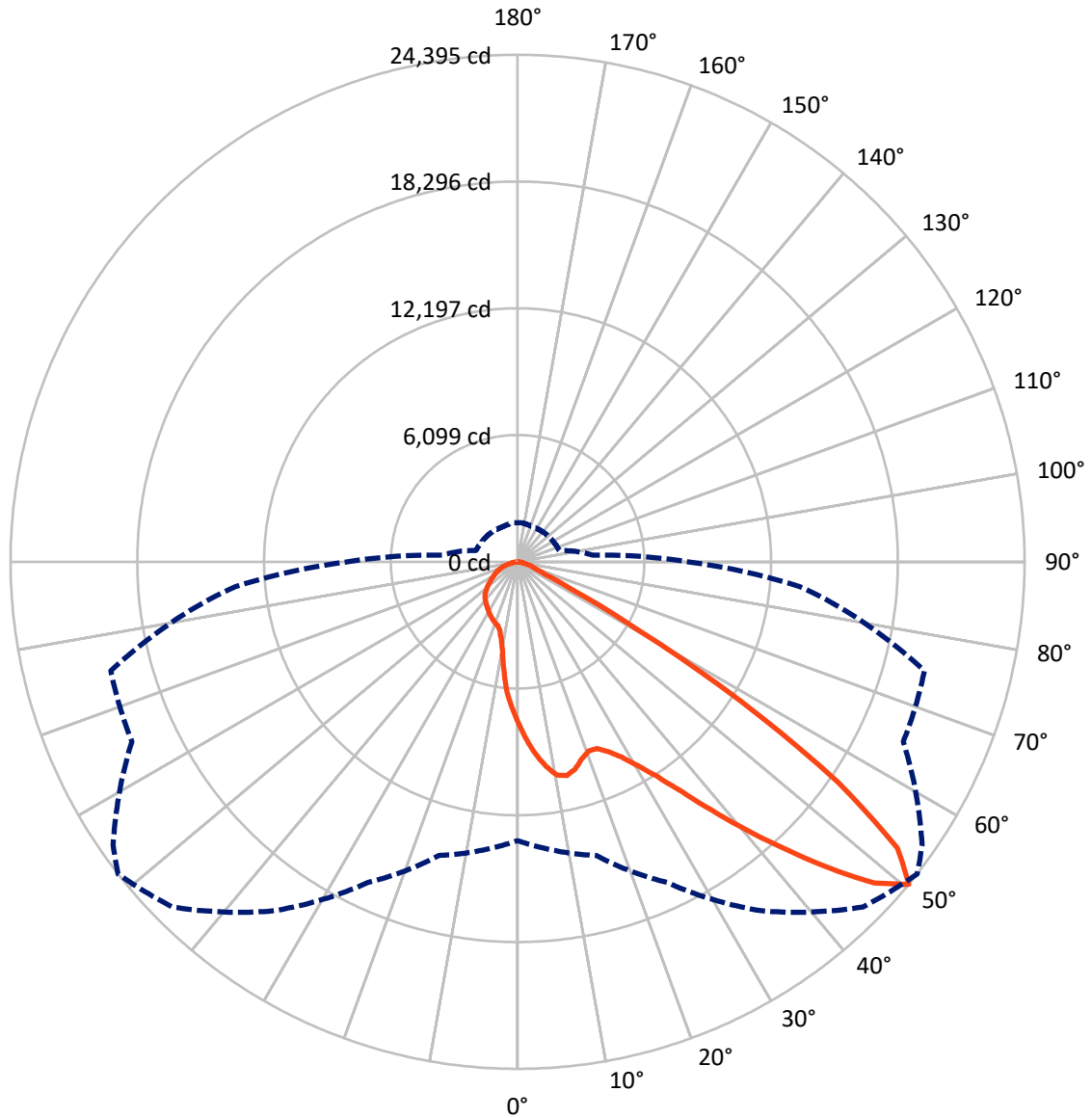
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16 fc
 Type II - Short - N/A

REPORT NUMBER: P530984
CATALOG NUMBER: GALN-SA6B-730-U-AFL-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P530984
 CATALOG NUMBER: GALN-SA6B-730-U-AFL-GRSWH

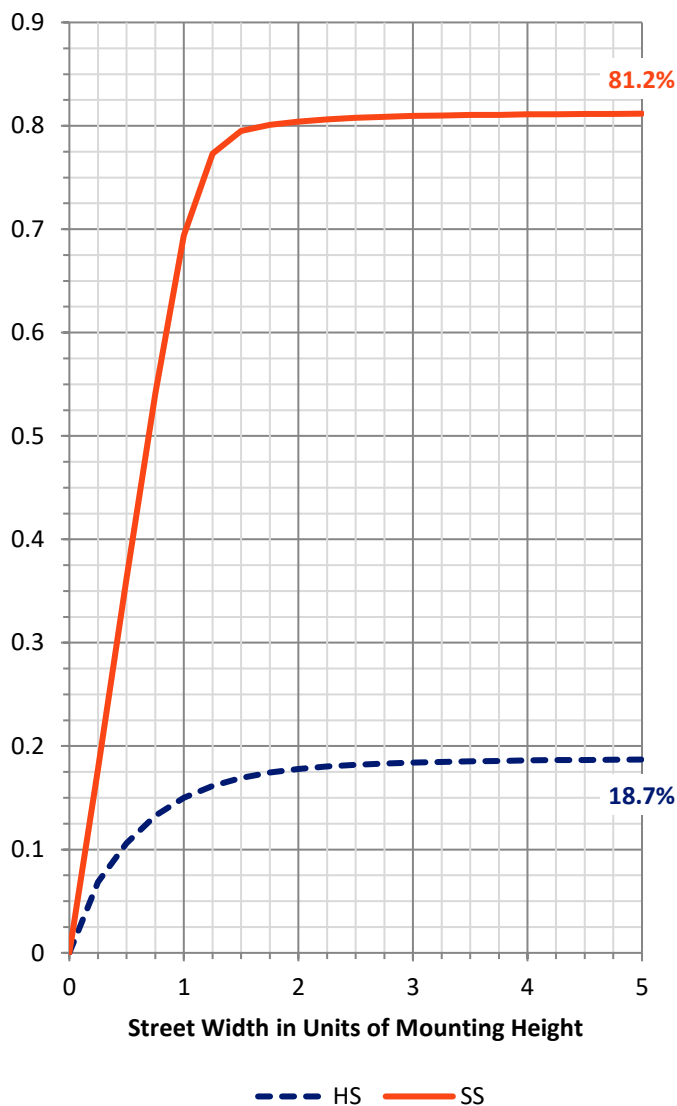
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5212.4	0.0	5212.4
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	22516.6	0.0	22516.6
	% Fixture	81.2	0.0	81.2
Total	Lumens	27729.0	0.0	27729.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	720.4	2.6
10°-20°	1930.9	7.0
20°-30°	3252.6	11.7
30°-40°	5458.1	19.7
40°-50°	8349.6	30.1
50°-60°	6087.5	22.0
60°-70°	1354.8	4.9
70°-80°	488.7	1.8
80°-90°	86.5	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°	27729.0	100.0
0°-180°	27729.0	100.0

Coefficient of Utilization

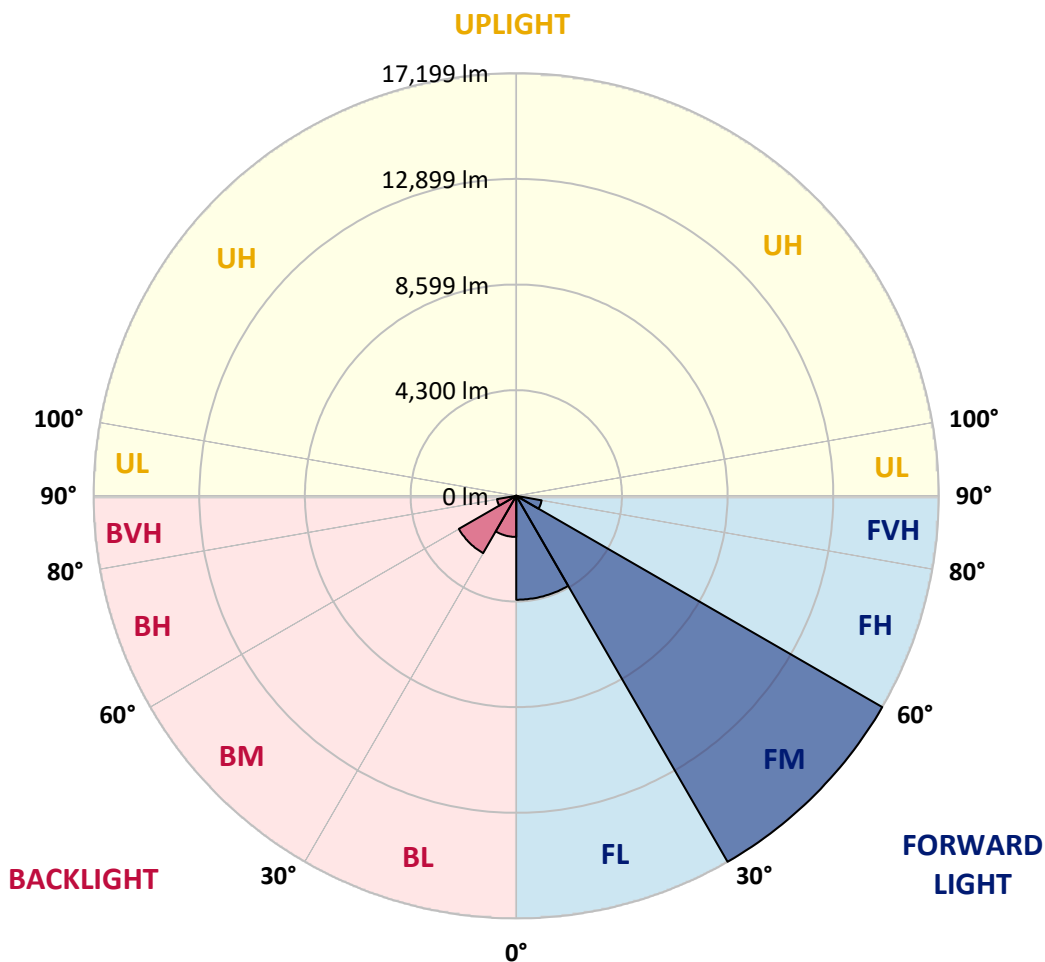


REPORT NUMBER: P530984
 CATALOG NUMBER: GALN-SA6B-730-U-AFL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4229.6	15.3			
FM (30°-60°)	17198.9	62.0			
FH (60°-80°)	1049.3	3.8			G1/1800
FVH (80°-90°)	38.8	0.1			G1/100
BL (0°-30°)	1674.3	6.0	B3/2500		
BM (30°-60°)	2696.2	9.7	B3/5000		
BH (60°-80°)	794.1	2.9	B2/1000		G2/1000
BVH (80°-90°)	47.7	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





REPORT NUMBER: P530984

CATALOG NUMBER: GALN-SA6B-730-U-AFL-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	52°	55°	65°	75°	85°
0°	7816.3	7816.3	7816.3	7816.3	7816.3	7816.3	7816.3	7816.3	7816.3	7816.3	7816.3
2.5°	9203.2	9026.1	9046.1	8919.1	8782.1	8742.0	8601.7	8468.0	8367.7	8153.9	7956.7
5°	10058.7	10005.2	9925.0	9824.7	9721.1	9467.2	9323.5	9156.4	8788.8	8458.0	8130.5
7.5°	10182.3	10172.3	10215.7	10215.7	10252.5	10155.6	9951.7	9834.8	9443.8	8905.8	8297.6
10°	9313.4	9343.5	9554.1	9828.1	10209.0	10473.0	10439.6	10409.5	9981.8	9246.6	8494.7
12.5°	8621.7	8554.9	8678.5	8912.4	9483.9	10122.2	10553.2	10556.6	10446.3	9791.3	8638.4
15°	8230.7	8277.5	8310.9	8421.2	8852.3	9590.8	10349.4	10573.3	11057.8	10175.6	8865.7
17.5°	8481.4	8324.3	8317.6	8344.3	8564.9	9119.6	9971.8	10356.1	11392.0	10670.2	9146.4
20°	8808.8	8805.5	8711.9	8678.5	8675.2	9169.8	9724.5	10245.8	11569.1	11311.8	9430.4
22.5°	9383.6	9383.6	9229.9	9156.4	8999.3	9403.7	9757.9	10112.1	11863.2	11752.9	9567.4
25°	10346.0	10189.0	9925.0	9744.5	9654.3	9798.0	10112.1	10429.6	12120.5	12220.8	9851.5
27.5°	11235.0	10987.7	10857.3	10546.6	10426.2	10342.7	10630.1	10950.9	12421.3	12949.3	10005.2
30°	12244.2	12200.7	11966.8	11565.8	11268.4	11114.6	11378.6	11696.1	12972.7	13694.5	10359.4
32.5°	14048.7	13654.4	13336.9	12845.7	12361.1	12033.6	12294.3	12504.8	13888.3	14473.1	10747.1
35°	15996.9	15870.0	15321.9	14436.3	13694.5	13400.4	13554.1	13711.2	14954.3	15662.8	11398.7
37.5°	17911.8	17738.0	17286.9	16541.6	15639.4	15041.2	15151.5	15335.3	16150.7	17266.8	12194.0
40°	19288.6	19074.7	18847.5	18737.2	17841.6	17022.9	16959.4	17006.1	17768.1	18770.6	13076.3
42.5°	19388.8	19652.8	19723.0	20167.4	19956.9	19285.2	18894.2	18904.3	19312.0	20257.7	13968.5
45°	19178.3	18934.3	19452.3	20665.4	21360.4	21674.6	21016.2	20932.7	20267.7	21119.8	14413.0
47.5°	16969.4	17036.2	17911.8	19829.9	21838.3	23241.8	23088.1	22810.8	20779.0	21089.8	14342.8
50°	13413.8	13818.1	14630.2	17019.5	20501.6	23489.1	24394.8	23753.1	20474.9	20261.0	13627.6
52.5°	8932.5	9099.6	9634.3	12718.7	16484.8	20996.2	22891.0	23038.0	20194.2	19174.9	12722.0
55°	3976.7	3963.3	4715.2	6643.4	10342.7	15976.9	18703.8	19599.3	19114.8	18068.8	11839.8
57.5°	1684.2	1741.1	2048.5	2870.6	5086.1	9640.9	12671.9	13457.2	14700.3	14837.4	9082.9
60°	1139.5	1146.2	1229.8	1437.0	2128.7	4528.1	6646.7	7589.1	8478.0	8417.9	4818.8
62.5°	895.6	919.0	982.5	1066.0	1263.2	2055.2	2974.2	3498.8	3555.6	2990.9	1827.9
65°	765.3	768.6	832.1	902.3	989.2	1196.3	1433.6	1460.3	1477.1	1423.6	1343.4
67.5°	631.6	638.3	688.4	768.6	848.8	915.6	982.5	1015.9	1092.8	1243.1	1223.1
70°	501.3	511.3	554.7	621.6	695.1	735.2	818.7	848.8	919.0	1035.9	1082.7
72.5°	381.0	384.3	421.1	467.8	534.7	574.8	645.0	678.4	725.2	825.4	868.9
75°	274.0	284.0	310.8	334.2	344.2	370.9	437.8	474.5	541.4	584.8	588.1
77.5°	143.7	150.4	157.1	157.1	190.5	240.6	284.0	304.1	350.9	384.3	367.6
80°	56.8	60.2	76.9	103.6	133.7	173.8	203.8	213.9	254.0	274.0	284.0
82.5°	33.4	36.8	50.1	73.5	96.9	123.6	147.0	157.1	183.8	207.2	213.9
85°	16.7	20.1	30.1	46.8	63.5	76.9	73.5	70.2	70.2	66.8	70.2
87.5°	6.7	6.7	10.0	10.0	10.0	13.4	16.7	16.7	16.7	20.1	20.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P530984

CATALOG NUMBER: GALN-SA6B-730-U-AFL-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7816.3	7816.3	7816.3	7816.3	7816.3	7816.3	7816.3	7816.3	7816.3	7816.3	7816.3
2.5°	7826.4	7692.7	7569.1	7341.8	7094.5	7024.4	6737.0	6633.4	6559.8	6473.0	6446.2
5°	7866.5	7689.4	7291.7	6833.9	6469.6	6001.8	5694.3	5363.5	5122.9	5062.7	5046.0
7.5°	7950.0	7645.9	6960.9	6269.1	5523.9	4889.0	4404.4	4143.8	3913.2	3899.8	3876.4
10°	8043.6	7515.6	6599.9	5513.9	4561.5	3973.3	3682.6	3569.0	3512.2	3498.8	3492.1
12.5°	8120.4	7488.9	6195.6	4778.7	3879.8	3525.5	3438.7	3428.6	3452.0	3458.7	3472.1
15°	8153.9	7381.9	5707.7	4120.4	3455.4	3325.0	3361.8	3401.9	3418.6	3462.0	3428.6
17.5°	8217.4	7244.9	5106.2	3599.1	3218.1	3241.5	3305.0	3351.8	3378.5	3408.6	3365.1
20°	8250.8	7121.3	4541.4	3288.3	3134.6	3178.0	3264.9	3301.6	3335.1	3348.4	3298.3
22.5°	8220.7	6867.3	4043.5	3037.6	3054.4	3111.2	3188.0	3228.1	3208.1	3154.6	3124.5
25°	8140.5	6509.7	3525.5	2877.2	2940.7	3041.0	3101.1	3071.1	3034.3	3004.2	2994.2
27.5°	8137.2	6072.0	3151.3	2730.2	2843.8	2980.8	2960.8	2934.1	2950.8	2927.4	2900.6
30°	8153.9	5647.6	2843.8	2646.7	2773.6	2840.5	2863.9	2837.1	2857.2	2813.8	2827.1
32.5°	8067.0	5233.2	2643.3	2549.8	2690.1	2686.8	2763.6	2783.7	2736.9	2646.7	2660.0
35°	8103.7	4899.0	2472.9	2506.3	2596.5	2596.5	2656.7	2633.3	2509.7	2456.2	2469.6
37.5°	8357.7	4571.5	2389.3	2446.2	2506.3	2533.0	2513.0	2412.7	2382.7	2382.7	2389.3
40°	8598.3	4290.8	2339.2	2432.8	2422.8	2439.5	2292.4	2302.5	2302.5	2305.8	2289.1
42.5°	8812.2	4100.3	2299.1	2352.6	2369.3	2282.4	2192.2	2182.2	2205.6	2202.2	2188.8
45°	8889.0	3943.3	2242.3	2262.4	2275.7	2132.0	2088.6	2068.5	2095.3	2105.3	2118.7
47.5°	8595.0	3812.9	2178.8	2138.7	2112.0	2018.4	1961.6	1924.8	1958.3	2015.1	2028.4
50°	8217.4	3642.5	2078.6	2001.7	1944.9	1904.8	1864.7	1827.9	1851.3	1891.4	1881.4
52.5°	7659.3	3375.2	1951.6	1871.4	1774.5	1784.5	1747.7	1727.7	1741.1	1741.1	1731.0
55°	6863.9	2773.6	1737.7	1680.9	1600.7	1627.4	1634.1	1607.4	1580.6	1604.0	1584.0
57.5°	4685.1	1958.3	1550.6	1550.6	1470.4	1507.1	1503.8	1440.3	1376.8	1383.5	1370.1
60°	2710.2	1560.6	1430.3	1416.9	1333.4	1363.4	1370.1	1326.7	1229.8	1236.4	1223.1
62.5°	1540.5	1333.4	1249.8	1229.8	1213.1	1239.8	1239.8	1183.0	1099.4	1106.1	1092.8
65°	1310.0	1236.4	1116.1	1112.8	1106.1	1112.8	1086.1	1025.9	952.4	922.3	925.7
67.5°	1189.7	1142.9	1025.9	995.8	975.8	972.4	922.3	865.5	832.1	805.4	802.0
70°	1042.6	1005.9	919.0	878.9	858.8	812.0	761.9	725.2	678.4	665.0	678.4
72.5°	825.4	822.1	788.7	745.2	701.8	665.0	621.6	571.4	528.0	518.0	494.6
75°	571.4	578.1	584.8	578.1	541.4	494.6	444.5	404.4	350.9	320.8	314.1
77.5°	374.3	384.3	394.3	381.0	357.6	314.1	280.7	230.6	190.5	167.1	163.7
80°	274.0	287.4	294.1	284.0	257.3	223.9	187.1	147.0	117.0	96.9	96.9
82.5°	210.5	223.9	230.6	213.9	187.1	160.4	133.7	103.6	80.2	63.5	60.2
85°	73.5	70.2	83.5	86.9	103.6	96.9	80.2	60.2	46.8	33.4	30.1
87.5°	20.1	20.1	23.4	23.4	20.1	16.7	16.7	16.7	13.4	10.0	10.0
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)