

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: P532393

Luminaire Tested: **GALN-SA7D-730-U-SL3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532393
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-19)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7D-730-U-SL3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28697 lumens
Efficiency: N/A
Efficacy: 66.3 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

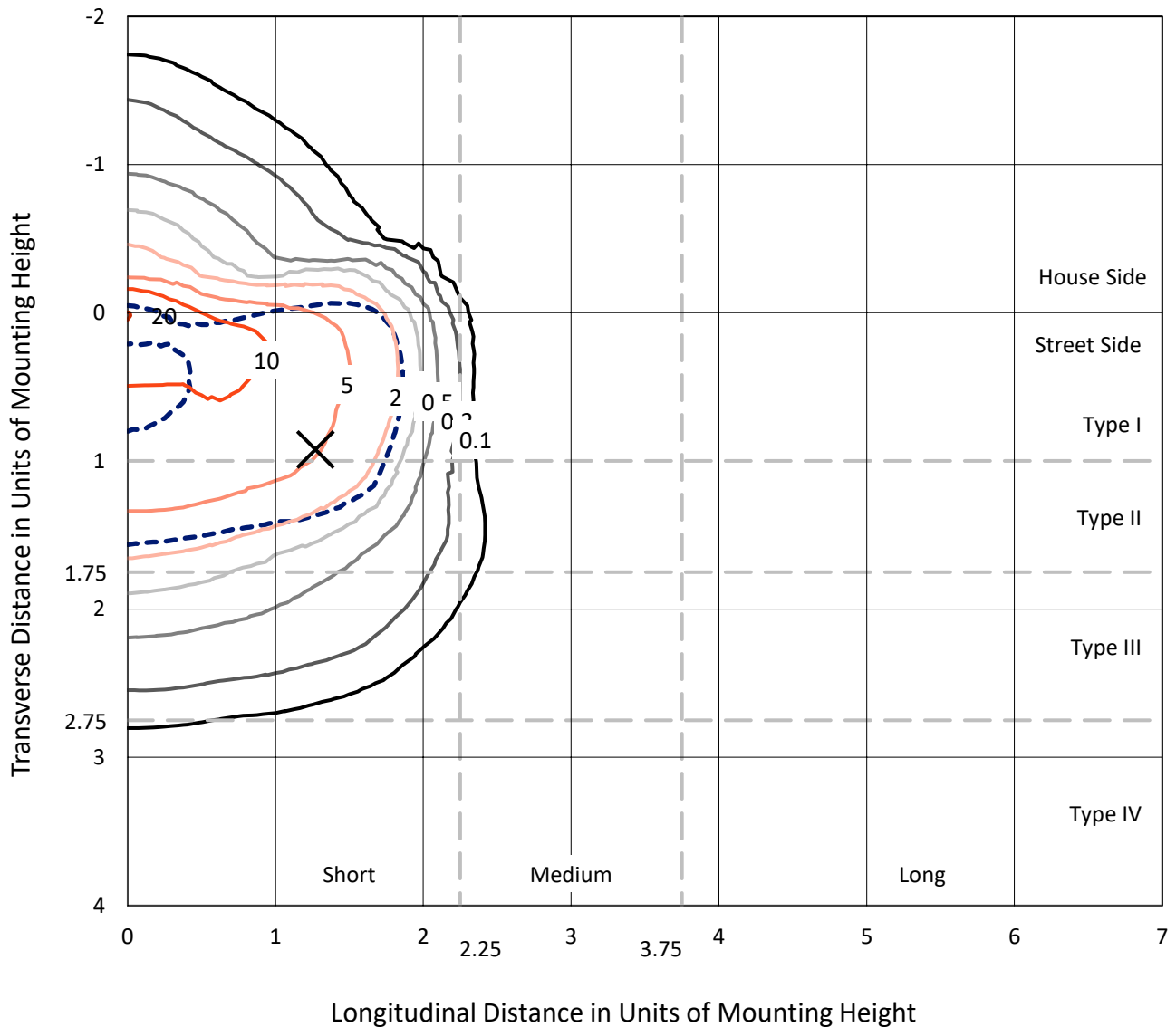
Input Watts (W): 433
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P532393
 CATALOG NUMBER: GALN-SA7D-730-U-SL3-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

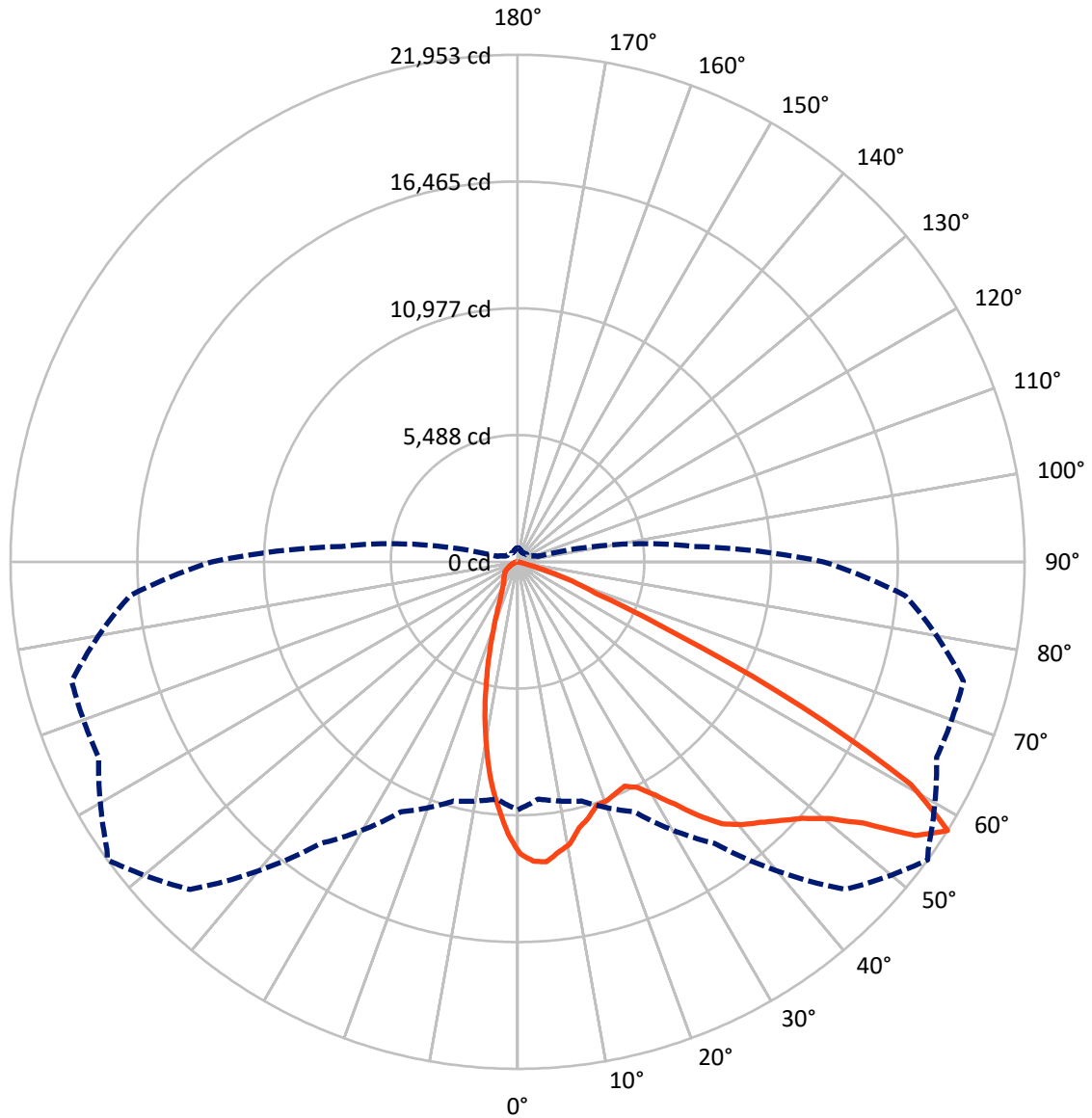
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.2 fc
 Type II - Short - N/A

REPORT NUMBER: P532393
CATALOG NUMBER: GALN-SA7D-730-U-SL3-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P532393
 CATALOG NUMBER: GALN-SA7D-730-U-SL3-GRSBK

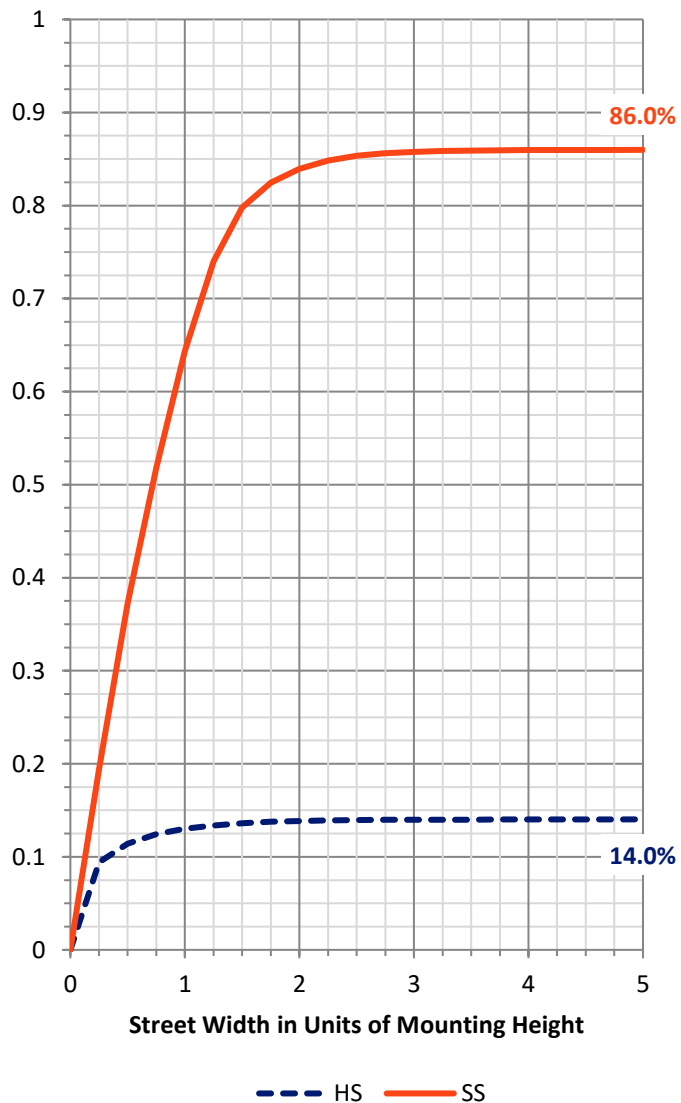
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4055.4	0.0	4055.4
	% Fixture	14.1	0.0	14.1
Street Side	Lumens	24641.6	0.0	24641.6
	% Fixture	85.9	0.0	85.9
Total	Lumens	28697.0	0.0	28697.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1057.9	3.7
10°-20°	2258.5	7.9
20°-30°	2993.0	10.4
30°-40°	4349.6	15.2
40°-50°	6449.9	22.5
50°-60°	8065.3	28.1
60°-70°	3181.4	11.1
70°-80°	316.8	1.1
80°-90°	24.6	0.1
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°	28697.0	100.0
0°-180°	28697.0	100.0

Coefficient of Utilization



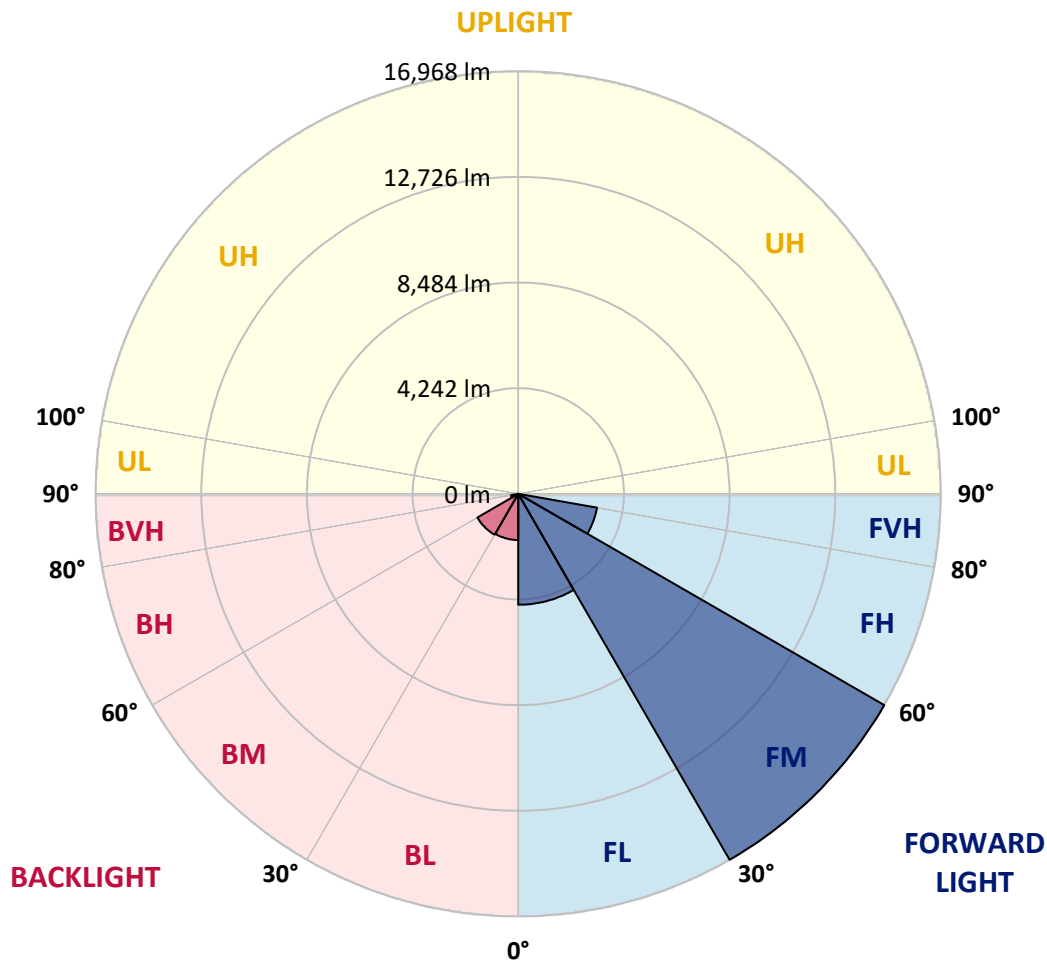
REPORT NUMBER: P532393
 CATALOG NUMBER: GALN-SA7D-730-U-SL3-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4454.6	15.5			
FM (30°-60°)	16968.5	59.1			
FH (60°-80°)	3207.4	11.2			G2/5000
FVH (80°-90°)	11.2	0.0			G1/100
BL (0°-30°)	1854.7	6.5	B3/2500		
BM (30°-60°)	1896.4	6.6	B2/2500		
BH (60°-80°)	290.8	1.0	B1/500		G1/500
BVH (80°-90°)	13.4	0.0			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: P532393

CATALOG NUMBER: GALN-SA7D-730-U-SL3-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	12641.4	12641.4	12641.4	12641.4	12641.4	12641.4	12641.4	12641.4	12641.4	12641.4	12641.4
2.5°	13377.8	13239.1	13249.7	13201.7	13137.7	13185.7	12977.6	13025.6	13020.3	12737.5	12550.7
5°	13041.6	13191.0	13036.3	13164.4	13041.6	13175.0	13047.0	12950.9	12796.2	12588.1	12241.2
7.5°	12470.7	12326.6	12369.3	12529.4	12556.0	12854.9	12694.8	12817.5	12753.5	12342.6	11867.7
10°	11323.4	11291.4	11504.8	11718.3	11979.7	12299.9	12422.6	12353.3	12305.2	12150.5	11515.5
12.5°	10442.9	10533.6	10528.3	10880.5	11323.4	11504.8	11825.0	11814.3	12081.1	11793.0	11184.6
15°	9605.1	9653.2	9877.3	10096.1	10587.0	11104.6	11499.5	11552.8	11873.0	11670.2	10928.5
17.5°	9092.9	9023.5	9199.6	9461.1	9962.7	10640.3	11077.9	11206.0	11643.5	11600.9	10635.0
20°	8585.9	8585.9	8730.0	9039.5	9498.4	10261.5	11040.6	11003.2	11643.5	11520.8	10320.2
22.5°	8415.2	8500.5	8537.9	8772.7	9317.0	9973.3	10880.5	10949.8	11734.3	11483.5	10181.4
25°	8650.0	8537.9	8548.6	8735.3	9247.6	9834.6	10763.1	10917.8	11899.7	11670.2	10069.4
27.5°	8687.3	8799.4	8831.4	8959.4	9301.0	9877.3	11056.6	11371.4	12310.6	12107.8	10101.4
30°	9012.8	9124.9	9119.5	9338.3	9573.1	10224.1	11712.9	11777.0	13159.0	12657.4	10298.8
32.5°	9407.7	9525.1	9562.4	9818.6	10005.3	10859.1	12513.3	12678.8	13975.5	13521.9	10816.4
35°	9898.6	9855.9	10026.7	10282.8	10683.0	11787.6	13489.9	13767.3	14855.9	14642.5	11350.1
37.5°	10512.3	10458.9	10624.3	11040.6	11584.9	12886.9	14391.7	14573.1	15496.3	15683.0	12337.3
40°	10944.5	10965.9	11467.5	12027.8	12604.1	13932.8	14962.7	15138.7	15944.5	16654.2	13084.3
42.5°	11664.9	11798.3	12401.3	13084.3	13687.3	14717.2	15426.9	15597.7	16152.6	17433.3	14092.9
45°	12710.8	12652.1	13319.1	14082.2	14749.2	15533.6	15976.5	15917.8	16275.4	18207.1	14727.9
47.5°	14055.5	14066.2	14509.1	15160.1	15853.8	16243.3	16590.2	16382.1	16531.5	19023.5	15576.3
50°	14973.3	15053.4	15410.9	16077.9	16424.8	17022.4	17465.3	17337.3	17289.2	19514.4	16109.9
52.5°	15208.1	15448.2	15640.3	16472.8	17283.9	18228.4	18794.0	19066.2	18212.4	19679.8	16787.6
55°	13436.5	13650.0	14327.6	15469.6	17609.4	20138.8	20917.8	20923.2	19418.4	20416.2	17262.5
57.5°	10741.7	10309.5	10725.7	11937.0	14887.9	20058.7	21953.1	21702.3	20021.4	19984.0	16851.7
60°	7428.0	7321.2	7347.9	7828.2	10304.2	15955.2	19562.4	19887.9	18436.5	17321.2	13340.5
62.5°	5885.8	5795.1	5677.7	5624.3	6398.1	9941.3	13799.4	14258.3	12892.2	11232.7	7908.2
65°	4610.5	4557.1	4573.1	4786.6	4781.2	5640.3	7545.4	7358.6	5891.1	4354.3	2486.7
67.5°	3111.0	3191.0	3255.1	3900.7	4231.6	3927.4	3644.6	3537.9	1915.7	805.8	549.6
70°	1750.3	1760.9	1830.3	2438.6	3212.4	3047.0	2513.3	2513.3	955.2	293.5	314.8
72.5°	955.2	923.2	859.1	1051.2	1430.1	1451.4	1120.6	976.5	282.8	192.1	176.1
75°	464.2	458.9	394.9	325.5	309.5	256.1	197.4	181.4	128.1	122.7	106.7
77.5°	96.1	90.7	48.0	48.0	53.4	58.7	74.7	74.7	90.7	90.7	74.7
80°	0.0	0.0	5.3	21.3	37.4	53.4	64.0	64.0	74.7	74.7	58.7
82.5°	0.0	0.0	5.3	16.0	32.0	48.0	58.7	64.0	74.7	80.0	64.0
85°	0.0	0.0	0.0	10.7	26.7	37.4	32.0	32.0	26.7	21.3	10.7
87.5°	0.0	0.0	0.0	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



REPORT NUMBER: P532393

CATALOG NUMBER: GALN-SA7D-730-U-SL3-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	12641.4	12641.4	12641.4	12641.4	12641.4	12641.4	12641.4	12641.4	12641.4	12641.4	12641.4
2.5°	12454.6	12444.0	12198.5	12059.8	11809.0	11590.2	11414.1	11286.0	11286.0	11206.0	11131.3
5°	12102.5	12011.7	11488.8	11152.6	10677.7	10325.5	10085.4	9898.6	9605.1	9685.2	9370.3
7.5°	11664.9	11435.4	10741.7	10229.5	9573.1	9071.5	8559.2	8105.7	7668.1	7470.7	7577.4
10°	11195.3	10795.1	9861.3	9050.2	8233.7	7315.9	6718.3	5992.5	5544.3	5517.6	5400.2
12.5°	10699.0	10245.5	9108.9	7988.3	6915.7	5811.1	4898.6	4220.9	3916.8	3580.6	3644.6
15°	10325.5	9653.2	8271.1	6921.0	5496.3	4381.0	3463.2	2940.2	2652.1	2572.0	2545.4
17.5°	9920.0	9199.6	7417.3	5784.4	4311.6	3153.7	2492.0	2241.2	2129.1	2129.1	2113.1
20°	9498.4	8687.3	6568.8	4727.9	3233.7	2353.3	1995.7	1915.7	1910.4	1905.0	1905.0
22.5°	9220.9	8100.3	5800.4	3756.7	2438.6	1883.7	1734.3	1702.2	1723.6	1787.6	1787.6
25°	8927.4	7534.7	4952.0	2897.5	1889.0	1616.9	1531.5	1552.8	1606.2	1664.9	1643.5
27.5°	8628.6	7166.5	4151.5	2273.2	1547.5	1414.1	1382.1	1430.1	1488.8	1542.2	1526.1
30°	8559.2	6771.6	3393.8	1723.6	1328.7	1232.7	1254.0	1296.7	1355.4	1376.7	1398.1
32.5°	8666.0	6462.1	2780.2	1414.1	1158.0	1131.3	1131.3	1152.6	1190.0	1238.0	1222.0
35°	8970.1	6286.0	2198.5	1227.3	1061.9	1035.2	1029.9	1051.2	1072.6	1088.6	1072.6
37.5°	9434.4	6147.3	1798.3	1088.6	997.9	955.2	944.5	939.2	960.5	965.8	976.5
40°	10026.7	6222.0	1526.1	1003.2	933.8	885.8	853.8	853.8	853.8	869.8	875.1
42.5°	10667.0	6323.4	1318.0	955.2	875.1	816.4	784.4	773.7	784.4	805.8	800.4
45°	11339.4	6520.8	1184.6	880.5	821.8	747.1	704.4	693.7	720.4	763.1	757.7
47.5°	11969.1	6803.6	1083.2	832.4	768.4	699.0	645.7	635.0	683.0	741.7	747.1
50°	12598.7	7294.6	1045.9	795.1	731.1	651.0	603.0	592.3	645.7	720.4	736.4
52.5°	13324.4	7822.8	1019.2	747.1	688.4	613.7	560.3	549.6	608.3	704.4	709.7
55°	13799.4	8271.1	997.9	661.7	608.3	555.0	512.3	506.9	571.0	656.4	677.7
57.5°	13244.4	7646.7	923.2	576.3	517.6	490.9	453.6	453.6	506.9	587.0	603.0
60°	10042.7	5032.0	656.4	464.2	437.6	421.6	405.5	405.5	448.2	506.9	512.3
62.5°	5880.5	2710.8	421.6	373.5	373.5	357.5	330.8	330.8	373.5	405.5	410.9
65°	1744.9	869.8	341.5	320.2	314.8	288.2	261.5	256.1	288.2	304.2	298.8
67.5°	501.6	400.2	282.8	266.8	261.5	218.8	202.8	197.4	202.8	192.1	186.8
70°	298.8	272.1	218.8	224.1	197.4	160.1	144.1	138.7	128.1	112.1	101.4
72.5°	165.4	165.4	160.1	170.8	138.7	106.7	90.7	74.7	58.7	48.0	42.7
75°	101.4	106.7	112.1	117.4	90.7	69.4	58.7	37.4	21.3	10.7	10.7
77.5°	69.4	74.7	80.0	85.4	74.7	64.0	48.0	26.7	5.3	0.0	0.0
80°	53.4	58.7	69.4	74.7	80.0	85.4	64.0	26.7	5.3	0.0	0.0
82.5°	58.7	64.0	80.0	74.7	74.7	74.7	58.7	26.7	5.3	0.0	0.0
85°	10.7	16.0	26.7	26.7	37.4	48.0	37.4	10.7	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	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)