

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: P953047

Luminaire Tested: **GALN-SB6D-722-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953047
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6D-722-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 50668 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

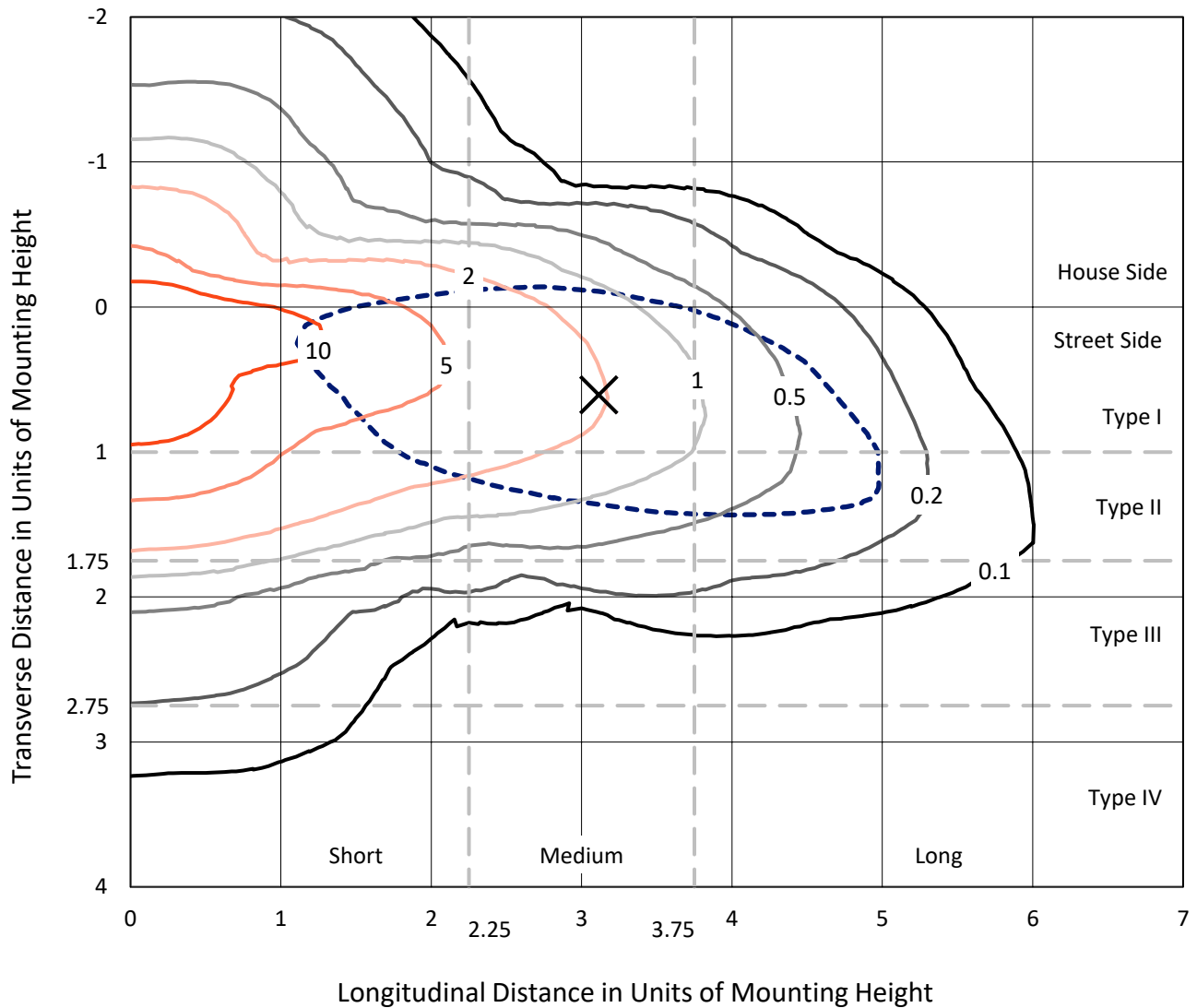
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P953047
 CATALOG NUMBER: GALN-SB6D-722-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

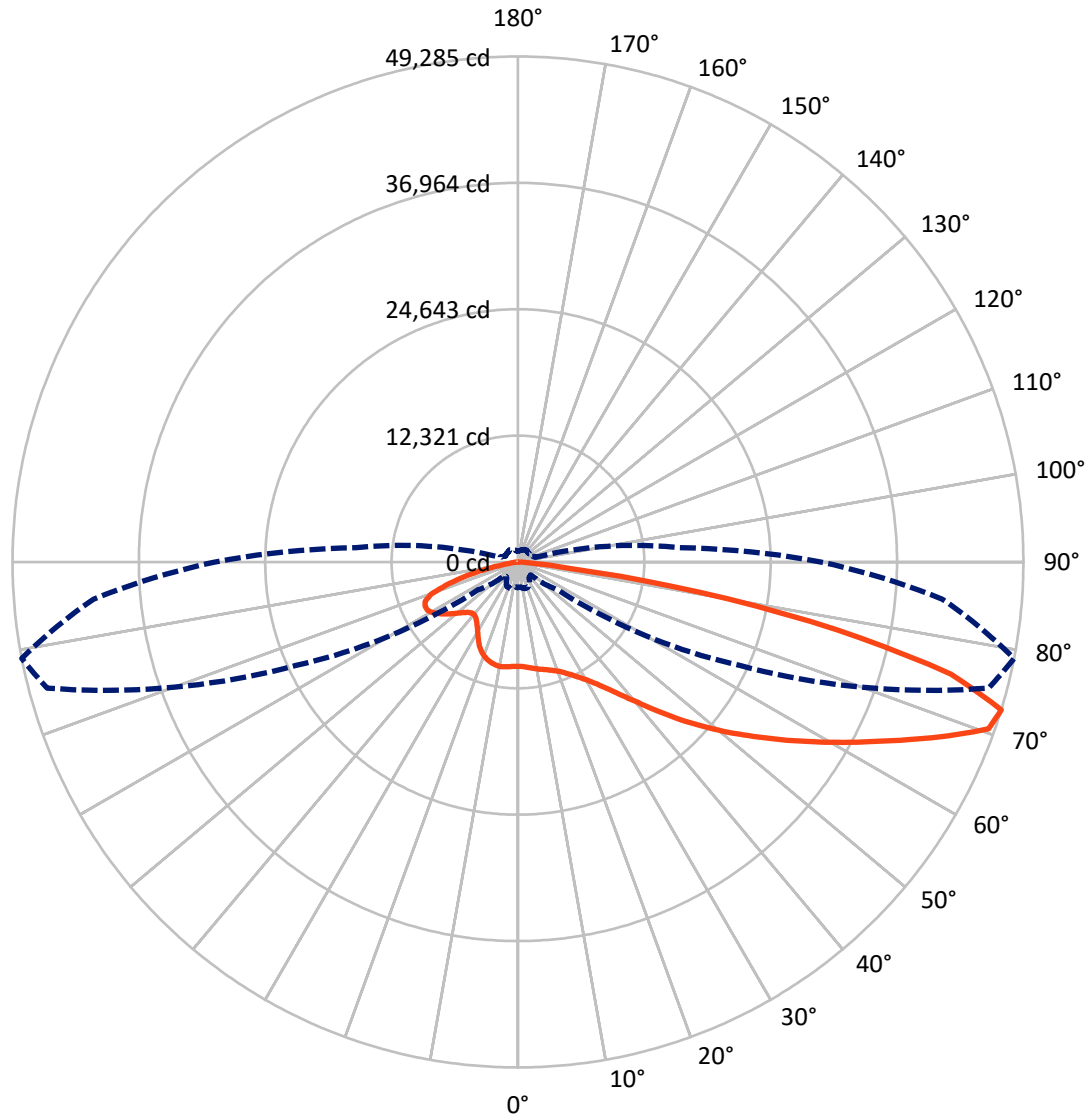
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.3 fc
 Type II - Medium - N/A

REPORT NUMBER: P953047
CATALOG NUMBER: GALN-SB6D-722-U-SL2

Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P953047

CATALOG NUMBER: GALN-SB6D-722-U-SL2

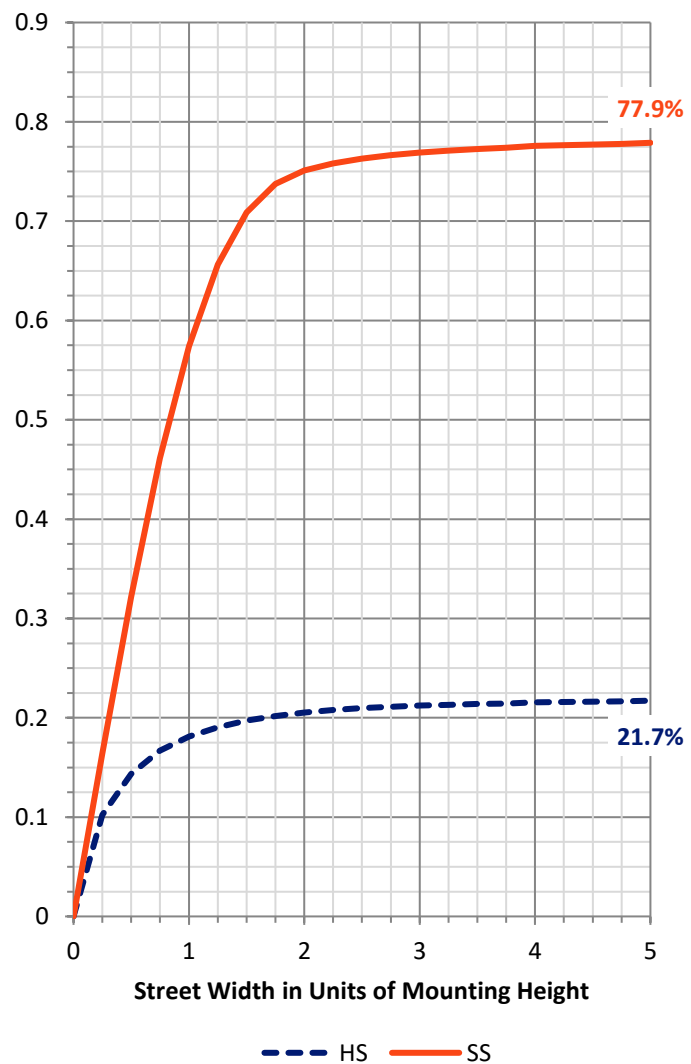
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11149.7	0.0	11149.7
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	39518.3	0.0	39518.3
	% Fixture	78.0	0.0	78.0
Total	Lumens	50668.0	0.0	50668.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	923.2	1.8
10°-20°	2413.8	4.8
20°-30°	3894.9	7.7
30°-40°	5845.7	11.5
40°-50°	8292.5	16.4
50°-60°	10472.3	20.7
60°-70°	10636.1	21.0
70°-80°	7248.9	14.3
80°-90°	940.5	1.9
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°	50668.0	100.0
0°-180°	50668.0	100.0

Coefficient of Utilization



REPORT NUMBER: P953047

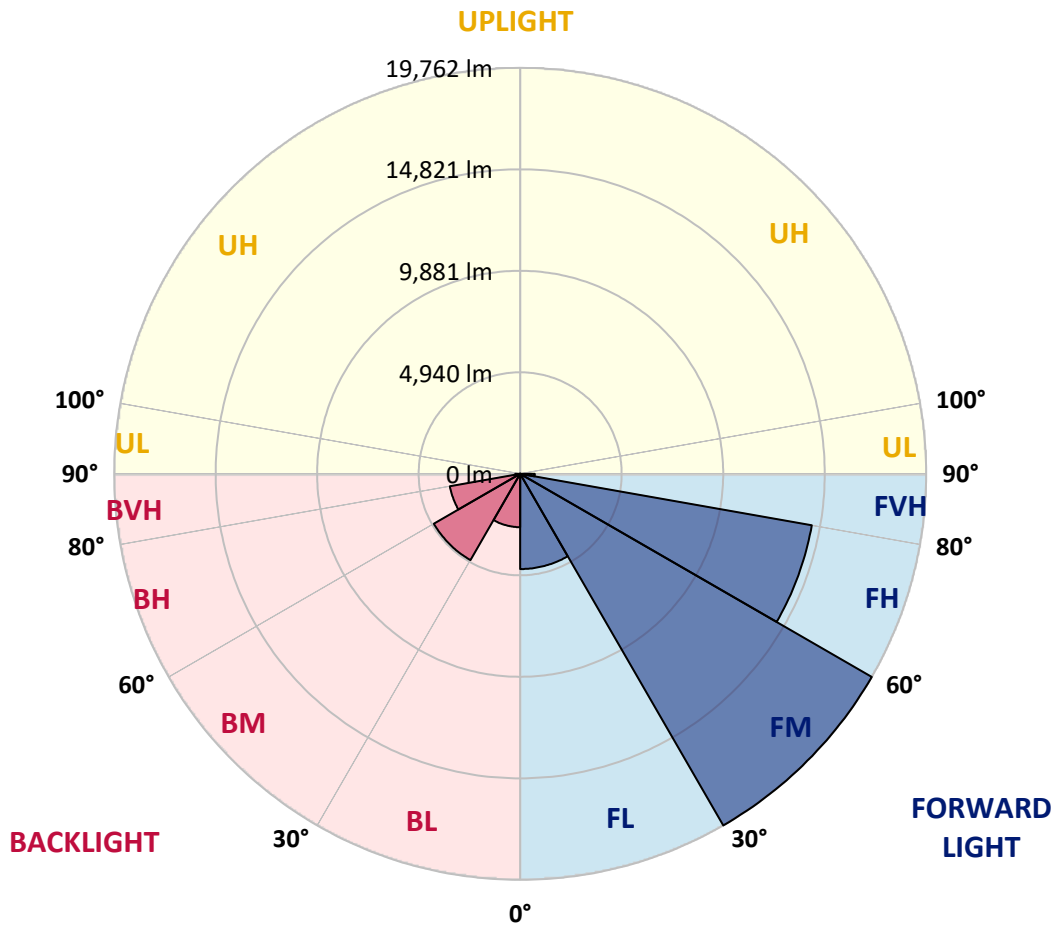
CATALOG NUMBER: GALN-SB6D-722-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4634.9	9.1			
FM (30°-60°)	19761.6	39.0			
FH (60°-80°)	14413.3	28.4			G5
FVH (80°-90°)	708.5	1.4			G4/750
BL (0°-30°)	2597.1	5.1	B4/5000		
BM (30°-60°)	4849.0	9.6	B3/5000		
BH (60°-80°)	3471.7	6.9	B4/5000		G4/5000
BVH (80°-90°)	232.0	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type II Medium



REPORT NUMBER: P953047
 CATALOG NUMBER: GALN-SB6D-722-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	10171.1	10171.1	10171.1	10171.1	10171.1	10171.1	10171.1	10171.1	10171.1	10171.1	10171.1
2.5°	10176.5	10128.2	10157.7	10147.0	10160.4	10176.5	10181.8	10189.9	10216.7	10214.0	10211.3
5°	10155.0	10106.8	10147.0	10133.6	10168.4	10206.0	10238.1	10267.6	10310.5	10329.2	10302.4
7.5°	10109.5	10077.3	10117.5	10157.7	10222.0	10278.3	10323.9	10390.9	10452.5	10463.3	10482.0
10°	9844.1	9820.0	9913.8	10018.4	10195.2	10348.0	10447.2	10524.9	10591.9	10602.6	10629.4
12.5°	9568.1	9538.6	9643.1	9785.2	10072.0	10348.0	10557.1	10658.9	10717.9	10752.7	10792.9
15°	9522.5	9498.4	9557.4	9680.7	9919.2	10275.6	10632.1	10819.7	10870.6	10910.8	10926.9
17.5°	9742.3	9696.7	9720.9	9763.7	9903.1	10208.6	10691.1	11002.0	11079.7	11122.6	11122.6
20°	10251.5	10187.2	10149.7	10063.9	10039.8	10219.4	10685.7	11221.7	11323.6	11377.2	11390.6
22.5°	10929.6	10886.7	10806.3	10589.2	10353.4	10350.7	10787.6	11503.1	11693.4	11744.4	11712.2
25°	11749.7	11685.4	11583.6	11288.7	10835.8	10610.7	10959.1	11862.3	12181.2	12194.6	12100.8
27.5°	12693.1	12596.6	12457.3	12068.7	11457.6	11018.0	11221.7	12275.0	12741.4	12736.0	12543.0
30°	13687.5	13591.0	13443.6	12971.9	12202.7	11567.5	11586.2	12719.9	13406.0	13376.6	13046.9
32.5°	14413.8	14341.4	14311.9	13947.4	13060.3	12216.1	12004.3	13213.1	14226.2	14199.4	13738.4
35°	14971.2	14877.4	14912.3	14727.4	13995.7	12942.4	12516.2	13800.0	15223.2	15220.5	14646.9
37.5°	15523.4	15440.3	15469.7	15346.5	14861.4	13864.3	13140.7	14518.3	16458.7	16517.7	15745.8
40°	16027.2	15938.8	16056.7	15941.5	15534.1	14845.3	13850.9	15330.4	17889.9	18002.5	17075.2
42.5°	16330.1	16260.4	16456.0	16458.7	16118.3	15673.4	14630.9	16225.5	19546.2	19798.2	18710.0
45°	16434.6	16410.5	16705.3	16766.9	16635.6	16153.2	15333.1	17201.1	21331.2	21781.5	20572.7
47.5°	16322.0	16276.5	16683.9	16911.7	17016.2	16378.3	15914.7	18257.1	23153.7	23813.0	22604.3
50°	15753.8	15665.4	16271.1	16750.9	17123.4	16525.7	16501.6	19476.6	25225.4	25946.4	24646.5
52.5°	14732.7	14665.7	15354.5	16188.0	16887.5	16598.1	17160.9	20808.6	27192.7	28125.4	26739.7
55°	13427.5	13339.0	14097.5	15185.7	16300.6	16574.0	17820.2	22298.7	29513.7	30459.8	28902.6
57.5°	11358.4	11181.5	12141.0	13427.5	15343.8	16544.5	18506.3	23780.9	31872.2	33005.9	31210.2
60°	8340.6	8077.9	9254.5	10779.5	13473.0	16257.7	19355.9	25442.5	34702.4	35723.5	33729.5
62.5°	4856.4	4703.6	5472.8	6896.0	10155.0	14569.2	19833.0	27374.9	37484.4	38556.4	36206.0
65°	3771.0	3728.1	3795.1	3905.0	5652.4	10908.2	18361.6	29259.1	41022.2	41772.6	38786.9
67.5°	3449.3	3417.2	3446.7	3240.3	2867.7	6075.9	14526.3	29736.1	44811.9	45267.5	41046.3
70°	3066.1	3028.6	3125.0	2948.2	2256.7	2763.2	9385.8	28004.7	47827.0	48682.0	42764.3
72.5°	2497.9	2455.0	2680.1	2599.7	1900.2	1774.3	4714.4	23890.7	47510.8	49285.0	41534.1
75°	1919.0	1894.9	2162.9	2229.9	1549.1	1396.4	2262.0	17758.6	41810.1	43597.8	35795.9
77.5°	1490.2	1471.4	1608.1	1852.0	1248.9	1082.8	1391.0	11264.6	31507.7	31821.3	24668.0
80°	1117.6	1064.0	1190.0	1433.9	972.9	790.6	943.4	6569.0	19916.1	18053.4	10736.6
82.5°	699.5	672.7	777.2	956.8	686.1	544.1	613.8	3628.9	7981.4	4701.0	2071.7
85°	399.3	388.6	423.5	546.7	372.5	313.6	351.1	1602.7	1458.0	1002.4	624.5
87.5°	160.8	155.4	193.0	243.9	136.7	115.2	123.3	385.9	321.6	297.5	206.4
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: P953047
 CATALOG NUMBER: GALN-SB6D-722-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10171.1	10171.1	10171.1	10171.1	10171.1	10171.1	10171.1	10171.1	10171.1	10171.1	10171.1
2.5°	10200.6	10200.6	10163.1	10104.1	10037.1	9994.2	9924.5	9905.8	9833.4	9812.0	9846.8
5°	10323.9	10302.4	10187.2	10021.0	9793.2	9584.2	9353.7	9209.0	9005.3	8932.9	8986.5
7.5°	10479.3	10420.4	10222.0	9857.5	9380.5	8911.5	8423.7	8053.8	7700.0	7574.1	7590.1
10°	10621.4	10538.3	10200.6	9562.7	8737.2	7925.2	7147.9	6603.9	6191.1	6022.3	6059.8
12.5°	10763.4	10610.7	10058.6	9072.3	7823.3	6721.8	5893.6	5470.2	5215.5	5011.9	5078.9
15°	10897.4	10683.0	9838.8	8415.6	6820.9	5703.3	5092.3	4754.6	4550.9	4416.9	4441.0
17.5°	11052.9	10744.7	9509.1	7582.1	5866.8	4998.5	4499.9	4296.3	4256.1	4240.0	4250.7
20°	11270.0	10801.0	9074.9	6649.4	5164.6	4435.6	4178.3	4159.6	4156.9	4148.9	4175.7
22.5°	11503.1	10868.0	8501.4	5802.5	4567.0	4084.5	4039.0	4001.4	3977.3	3974.6	4004.1
25°	11779.2	10889.4	7783.1	5108.3	4057.7	3918.4	3864.8	3808.5	3792.4	3792.4	3808.5
27.5°	12047.2	10817.0	6946.9	4505.3	3771.0	3765.6	3695.9	3677.1	3674.5	3682.5	3703.9
30°	12315.2	10680.3	6116.1	3947.8	3604.8	3604.8	3580.7	3594.1	3604.8	3631.6	3650.3
32.5°	12677.0	10535.6	5421.9	3535.1	3460.1	3433.3	3457.4	3484.2	3494.9	3529.7	3559.2
35°	13207.7	10433.8	4869.8	3310.0	3310.0	3275.1	3288.5	3283.2	3259.0	3243.0	3280.5
37.5°	13909.9	10428.4	4414.2	3205.4	3184.0	3178.6	3181.3	3146.5	3052.7	2940.1	2942.8
40°	14754.2	10573.1	4063.1	3133.1	3117.0	3149.2	3133.1	3039.3	2782.0	2586.3	2581.0
42.5°	15887.9	10985.9	3838.0	3044.6	3092.9	3133.1	3068.8	2744.5	2570.3	2438.9	2433.6
45°	17222.6	11655.9	3722.7	2950.8	3047.3	3095.6	2784.7	2642.6	2503.2	2345.1	2334.4
47.5°	18734.2	12500.2	3695.9	2862.4	2945.5	2975.0	2664.1	2599.7	2441.6	2270.1	2256.7
50°	20379.8	13499.8	3768.3	2757.9	2798.1	2696.2	2623.9	2564.9	2401.4	2232.6	2213.8
52.5°	22081.6	14601.4	3913.0	2615.8	2650.7	2538.1	2607.8	2556.9	2377.3	2149.5	2133.4
55°	23754.1	15711.0	4052.4	2449.6	2500.6	2396.0	2562.2	2524.7	2267.4	2010.1	1996.7
57.5°	25453.3	16815.2	4189.1	2302.2	2355.8	2259.4	2489.8	2438.9	2144.1	1881.5	1876.1
60°	27219.5	17887.2	4253.4	2160.2	2197.7	2133.4	2380.0	2291.5	2004.7	1750.1	1742.1
62.5°	28873.1	18779.7	4148.9	2018.1	2042.3	2015.5	2235.2	2117.3	1865.4	1602.7	1600.0
65°	30532.1	19310.4	3827.2	1878.8	1884.1	1870.7	2031.5	1929.7	1701.9	1474.1	1458.0
67.5°	32035.7	19607.9	3315.3	1728.7	1715.3	1709.9	1841.3	1726.0	1543.8	1345.4	1329.3
70°	32354.6	18852.1	2532.7	1551.8	1551.8	1538.4	1632.2	1514.3	1369.5	1208.7	1203.4
72.5°	29551.2	15858.4	1798.4	1350.8	1372.2	1345.4	1423.2	1324.0	1192.7	1085.5	1053.3
75°	23829.1	11629.1	1307.9	1144.4	1181.9	1136.4	1208.7	1139.1	1026.5	1023.8	922.0
77.5°	16373.0	7190.8	948.8	943.4	970.2	911.2	994.3	956.8	855.0	809.4	758.5
80°	6987.1	2867.7	691.5	729.0	729.0	675.4	771.9	782.6	694.2	672.7	672.7
82.5°	1391.0	814.8	485.1	501.2	471.7	455.6	546.7	605.7	836.2	930.0	932.7
85°	418.1	300.2	292.1	273.4	241.2	243.9	321.6	608.4	750.4	428.8	369.9
87.5°	115.2	75.0	77.7	61.6	50.9	67.0	109.9	461.0	251.9	107.2	91.1
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)