

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: P943986

Luminaire Tested: **GALN-SB8D-722-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943986
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB8D-722-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 53311 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 584.9
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

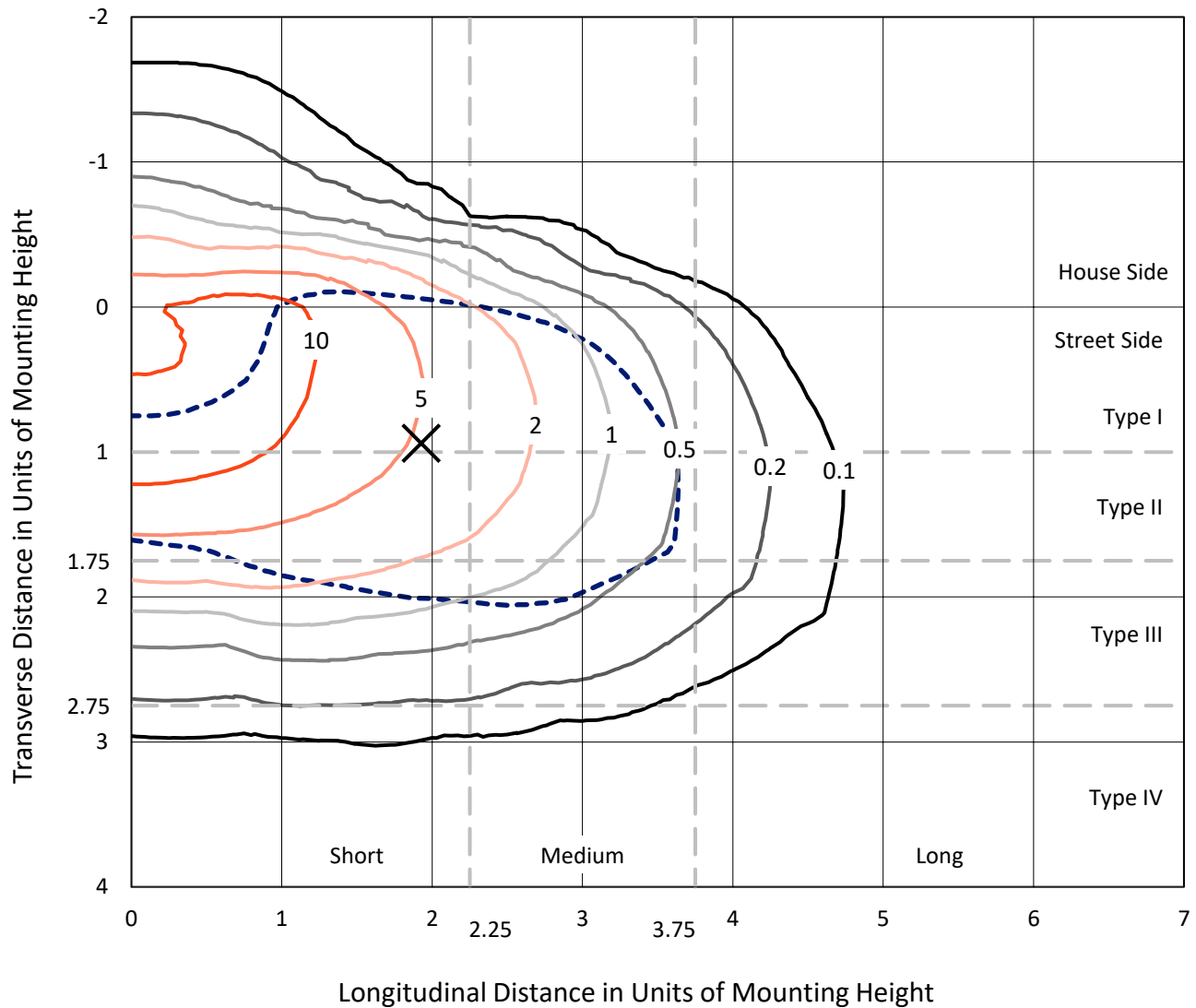


REPORT NUMBER: P943986

CATALOG NUMBER: GALN-SB8D-722-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

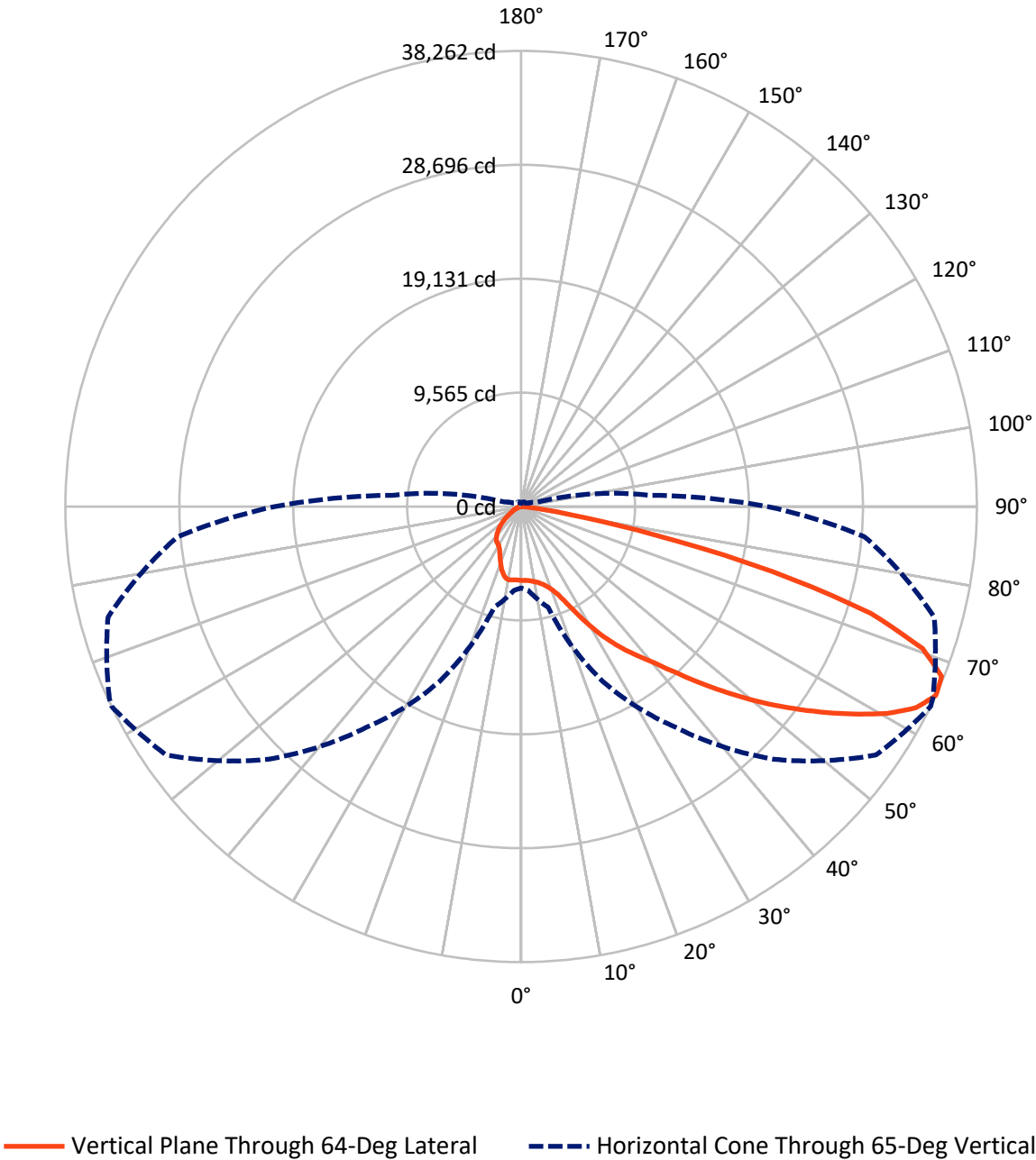
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.6 fc
Type III - Short - N/A

REPORT NUMBER: P943986
CATALOG NUMBER: GALN-SB8D-722-U-T3-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P943986

CATALOG NUMBER: GALN-SB8D-722-U-T3-HSS

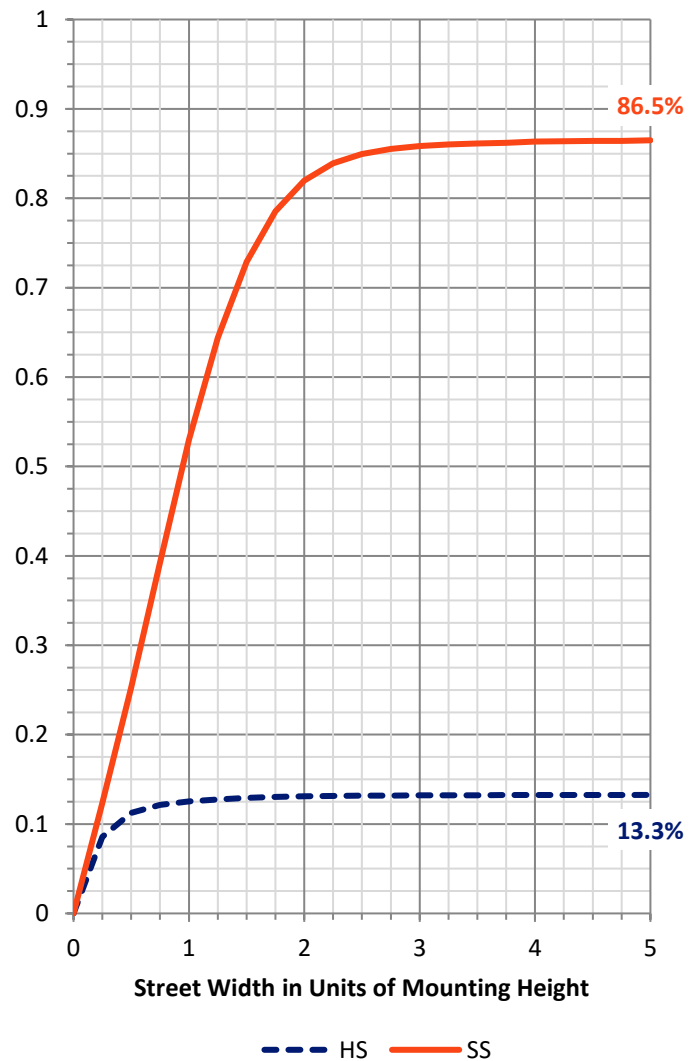
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7129.3	0.0	7129.3
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	46181.7	0.0	46181.7
	% Fixture	86.6	0.0	86.6
Total	Lumens	53311.0	0.0	53311.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	572.1	1.1
10°-20°	1551.6	2.9
20°-30°	2940.2	5.5
30°-40°	5949.5	11.2
40°-50°	10135.1	19.0
50°-60°	13782.9	25.9
60°-70°	12942.9	24.3
70°-80°	5185.5	9.7
80°-90°	251.2	0.5
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°	53311.0	100.0
0°-180°	53311.0	100.0

Coefficient of Utilization



REPORT NUMBER: P943986

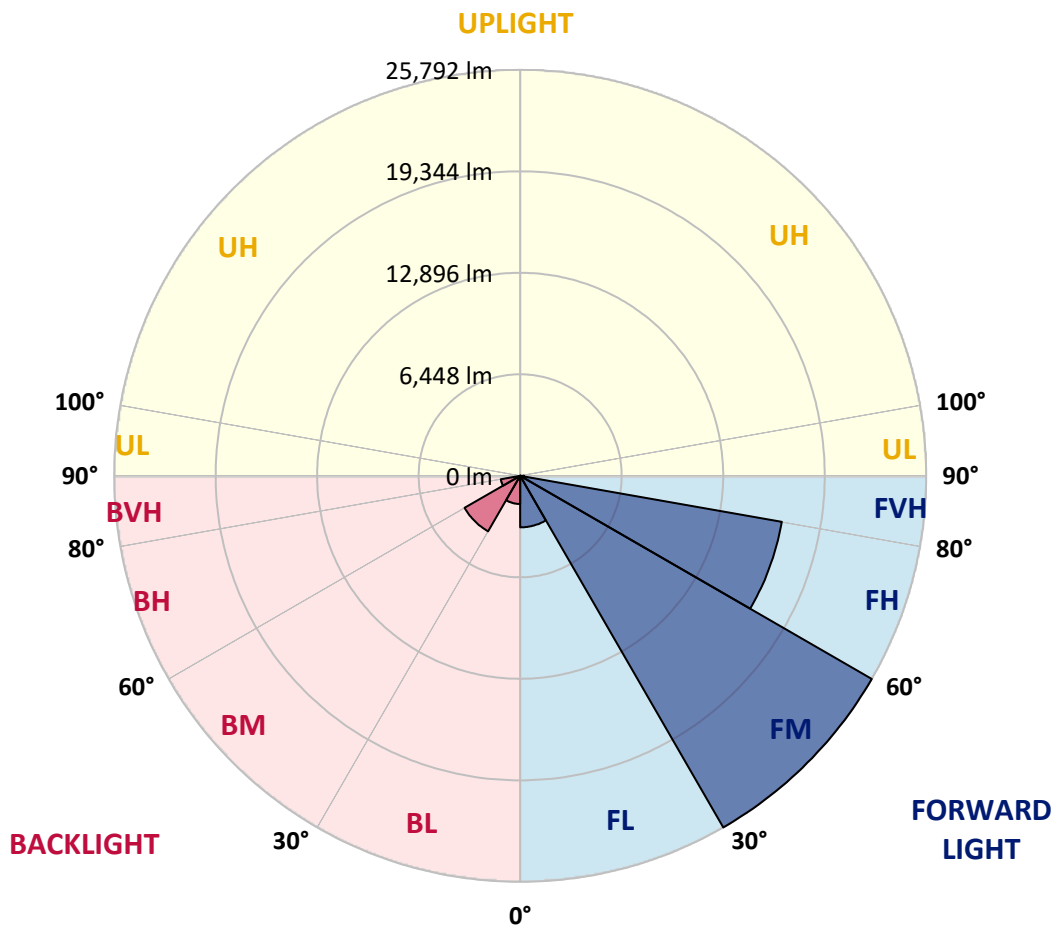
CATALOG NUMBER: GALN-SB8D-722-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3273.9	6.1			
FM	(30°-60°)	25791.8	48.4			
FH	(60°-80°)	16877.0	31.7			G5
FVH	(80°-90°)	238.9	0.4			G3/500
BL	(0°-30°)	1790.0	3.4	B3/2500		
BM	(30°-60°)	4075.8	7.6	B3/5000		
BH	(60°-80°)	1251.3	2.3	B3/2500		G3/2500
BVH	(80°-90°)	12.3	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-G5

Type III Short



REPORT NUMBER: P943986

CATALOG NUMBER: GALN-SB8D-722-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	6200.6	6200.6	6200.6	6200.6	6200.6	6200.6	6200.6	6200.6	6200.6	6200.6	6200.6
2.5°	6179.2	6222.1	6211.3	6200.6	6197.0	6204.2	6207.8	6204.2	6204.2	6204.2	6207.8
5°	6061.2	6097.0	6097.0	6122.0	6157.7	6200.6	6232.8	6239.9	6247.1	6257.8	6254.2
7.5°	5836.1	5864.7	5886.1	5968.3	6057.7	6172.0	6268.5	6318.6	6325.7	6365.0	6379.3
10°	5682.4	5718.2	5753.9	5839.7	5968.3	6139.9	6304.3	6425.8	6443.6	6536.6	6579.5
12.5°	5675.3	5711.0	5757.5	5850.4	6000.5	6182.8	6382.9	6558.0	6590.2	6726.0	6815.3
15°	5750.3	5793.2	5836.1	5950.5	6111.3	6332.9	6547.3	6765.3	6797.5	6990.4	7086.9
17.5°	5904.0	5961.2	5993.3	6107.7	6279.2	6525.8	6808.2	7058.3	7086.9	7312.1	7433.6
20°	6207.8	6275.7	6286.4	6379.3	6547.3	6811.8	7147.7	7458.6	7494.4	7751.7	7887.5
22.5°	6836.8	6933.3	6847.5	6893.9	7044.1	7308.5	7673.0	8066.2	8116.2	8409.3	8530.8
25°	7944.7	8080.5	7858.9	7780.3	7844.6	8119.8	8577.2	9074.0	9131.2	9367.1	9427.8
27.5°	10121.1	9946.0	9610.1	9281.3	9088.3	9245.5	9760.2	10374.9	10446.4	10675.1	10603.6
30°	12512.0	12358.4	11904.5	11175.4	10718.0	10692.9	11168.3	11854.4	11936.6	12154.7	11936.6
32.5°	14906.5	14760.0	14266.8	13369.8	12576.4	12183.2	12512.0	13273.3	13316.2	13455.5	13133.9
35°	17261.7	17111.6	16618.4	15699.9	14724.2	13830.8	13766.5	14624.2	14638.5	14785.0	14306.1
37.5°	19631.1	19506.1	18980.7	18080.1	17118.7	15885.7	15288.9	15903.6	15921.5	16064.4	15567.7
40°	21321.6	21375.2	21014.2	20317.3	19491.8	18144.4	16997.2	17265.3	17158.0	17397.5	17100.9
42.5°	22772.5	22879.8	22565.3	22215.0	21736.1	20549.6	19112.9	19066.5	18894.9	19023.6	18716.2
45°	24027.0	24116.3	23834.0	23751.8	23741.1	22908.4	21425.2	21146.4	20907.0	20882.0	20513.9
47.5°	24488.0	24659.5	24781.0	25056.2	25592.3	25242.1	23816.1	23383.7	23115.6	22919.1	22336.5
50°	24663.1	24845.4	25259.9	26060.5	27329.2	27479.3	26196.3	25710.2	25381.5	25024.1	24166.3
52.5°	24427.2	24752.5	25310.0	26657.3	28497.8	29273.4	28480.0	28054.7	27679.4	27096.9	25824.6
55°	23037.0	23362.2	24502.3	26650.2	29080.4	30531.4	30638.6	30449.2	30027.5	29109.0	27164.8
57.5°	20106.5	20588.9	22393.7	25742.4	29069.7	31614.2	32754.3	32890.1	32418.4	31103.2	28219.1
60°	16046.6	16700.6	18902.1	23730.3	28172.6	32200.4	34609.1	35288.2	34787.8	33068.8	29073.2
62.5°	11196.9	11954.5	14038.1	20578.2	26121.2	31778.6	35963.6	37218.0	36839.2	34827.1	29402.0
65°	6829.6	7072.6	8752.3	16193.1	22633.2	30013.2	36381.8	38261.6	38136.5	35902.9	28916.0
67.5°	4549.5	4753.2	5235.7	11103.9	17569.0	26485.8	35381.1	38079.3	38115.1	35727.7	27136.2
70°	2741.1	2916.3	3230.8	6457.9	11386.3	20964.2	32282.6	35756.3	35963.6	33386.9	23762.5
72.5°	1129.3	1247.3	1533.2	2927.0	5896.8	13305.4	25706.7	30699.3	31181.8	28072.6	18237.3
75°	639.7	700.5	900.6	1468.9	2558.9	6200.6	15571.2	21793.3	22504.5	19348.8	10971.7
77.5°	425.3	453.9	582.5	950.6	1440.3	2115.7	6654.5	11354.1	12712.2	10567.9	4749.6
80°	285.9	310.9	400.3	636.1	936.3	907.8	2119.3	4206.4	5174.9	3631.0	1157.9
82.5°	193.0	196.6	285.9	418.1	593.3	439.6	625.4	1308.0	1644.0	1050.7	439.6
85°	110.8	107.2	210.9	243.0	264.5	182.3	189.4	393.1	514.6	443.2	250.2
87.5°	14.3	21.4	82.2	64.3	35.7	39.3	39.3	67.9	100.1	107.2	53.6
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: P943986

CATALOG NUMBER: GALN-SB8D-722-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6200.6	6200.6	6200.6	6200.6	6200.6	6200.6	6200.6	6200.6	6200.6	6200.6	6200.6
2.5°	6207.8	6204.2	6193.5	6182.8	6157.7	6143.4	6150.6	6143.4	6139.9	6143.4	6157.7
5°	6254.2	6243.5	6214.9	6179.2	6129.1	6068.4	6029.1	5971.9	5918.3	5886.1	5893.3
7.5°	6379.3	6368.6	6329.3	6229.2	6068.4	5814.6	5582.3	5378.6	5225.0	5135.6	5139.2
10°	6579.5	6561.6	6500.8	6279.2	5857.5	5303.6	4842.6	4460.2	4210.0	4092.1	4081.3
12.5°	6815.3	6793.9	6686.7	6232.8	5457.3	4592.4	3956.2	3531.0	3298.7	3195.0	3184.3
15°	7094.1	7065.5	6854.6	6011.2	4874.7	3806.1	3223.6	2905.5	2755.4	2662.5	2666.1
17.5°	7440.7	7390.7	6979.7	5678.8	4242.2	3205.7	2773.3	2533.9	2401.6	2312.3	2305.1
20°	7891.1	7808.9	7079.8	5282.1	3659.6	2826.9	2469.5	2269.4	2169.3	2090.7	2076.4
22.5°	8520.0	8402.1	7201.3	4853.3	3248.6	2566.0	2244.4	2097.8	2015.6	1926.3	1912.0
25°	9299.1	9159.8	7351.4	4456.6	2966.3	2340.9	2080.0	1958.5	1862.0	1758.3	1747.6
27.5°	10389.2	10139.0	7530.1	4131.4	2723.3	2147.9	1929.9	1794.1	1683.3	1597.5	1579.6
30°	11604.3	11193.3	7687.3	3934.8	2501.7	1969.2	1733.3	1597.5	1493.9	1433.1	1422.4
32.5°	12755.1	12197.5	7791.0	3849.0	2301.6	1765.5	1518.9	1372.4	1293.7	1275.9	1286.6
35°	13841.5	13105.3	7780.3	3766.8	2122.9	1561.8	1308.0	1157.9	1097.2	1107.9	1107.9
37.5°	15092.4	14073.8	7705.2	3638.2	1976.3	1375.9	1125.8	993.5	939.9	943.5	957.8
40°	16546.9	15192.4	7658.8	3395.2	1815.5	1204.4	975.7	868.4	829.1	814.8	811.3
42.5°	18098.0	16275.3	7665.9	3120.0	1615.4	1050.7	872.0	782.7	746.9	736.2	732.6
45°	19656.2	17308.1	7676.6	2834.1	1404.5	932.8	797.0	721.9	700.5	686.2	686.2
47.5°	21121.4	18187.3	7476.5	2526.7	1197.2	843.4	736.2	686.2	668.3	650.4	650.4
50°	22486.6	18773.4	6994.0	2169.3	1032.8	772.0	689.8	654.0	636.1	618.3	618.3
52.5°	23548.1	18866.3	6197.0	1801.2	918.5	718.3	661.2	629.0	607.6	589.7	586.1
55°	24019.8	18283.8	5064.1	1458.1	829.1	671.9	632.6	600.4	575.4	557.5	553.9
57.5°	23898.3	17058.0	3949.1	1172.2	743.4	625.4	596.8	575.4	546.8	518.2	514.6
60°	23301.5	15417.6	2977.0	975.7	664.7	575.4	557.5	539.7	500.3	457.5	450.3
62.5°	22268.6	13355.5	2122.9	807.7	579.0	518.2	511.1	496.8	439.6	361.0	353.8
65°	20689.0	10850.2	1429.5	671.9	496.8	453.9	457.5	432.4	357.4	268.0	260.9
67.5°	18380.3	7933.9	914.9	550.4	414.6	378.8	382.4	368.1	303.8	228.7	218.0
70°	15439.0	5253.6	596.8	418.1	332.4	293.1	314.5	318.1	257.3	185.8	178.7
72.5°	11318.4	3102.1	418.1	310.9	243.0	203.7	257.3	264.5	207.3	139.4	132.2
75°	6450.8	1472.4	314.5	225.2	150.1	143.0	200.1	200.1	143.0	92.9	85.8
77.5°	2709.0	614.7	221.6	146.5	85.8	82.2	135.8	125.1	71.5	42.9	42.9
80°	782.7	275.2	117.9	71.5	35.7	32.2	53.6	39.3	17.9	7.1	7.1
82.5°	307.4	121.5	46.5	28.6	14.3	14.3	7.1	0.0	0.0	0.0	0.0
85°	182.3	50.0	21.4	10.7	3.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	46.5	10.7	7.1	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)