

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: P953056

Luminaire Tested: **GALN-SB6D-722-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953056
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
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-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38958 lumens
Efficiency: N/A
Efficacy: 88.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G4

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



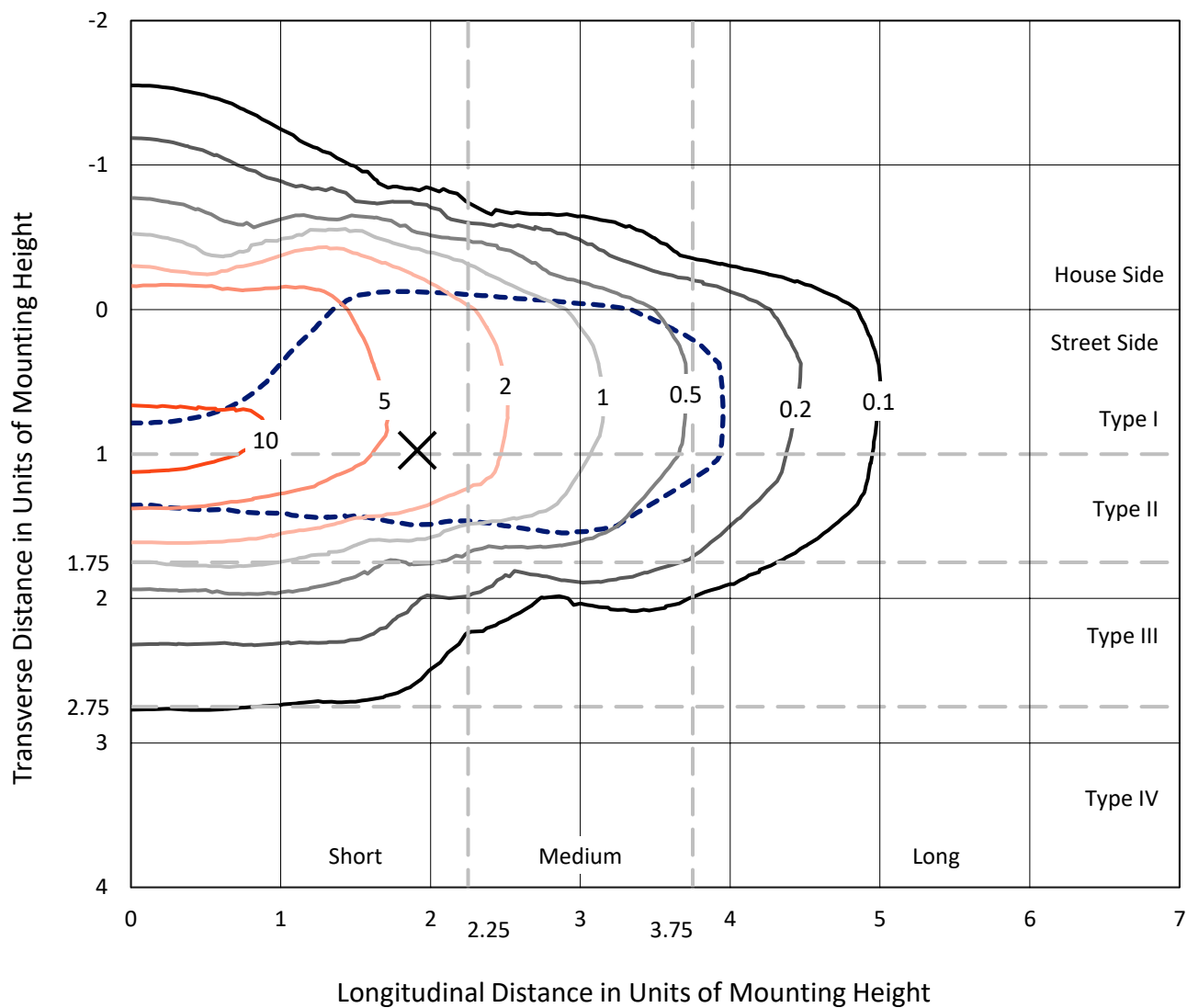
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

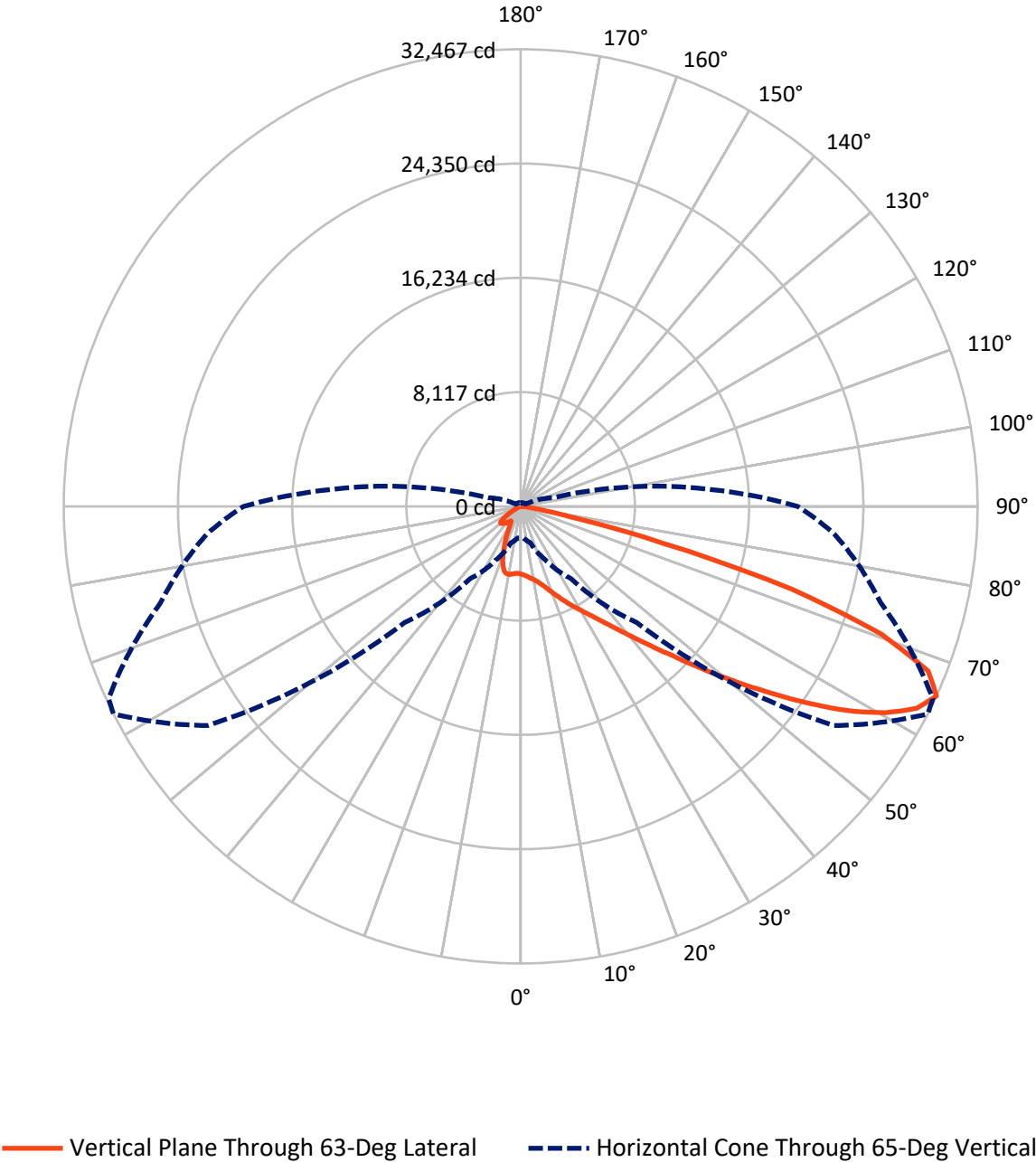
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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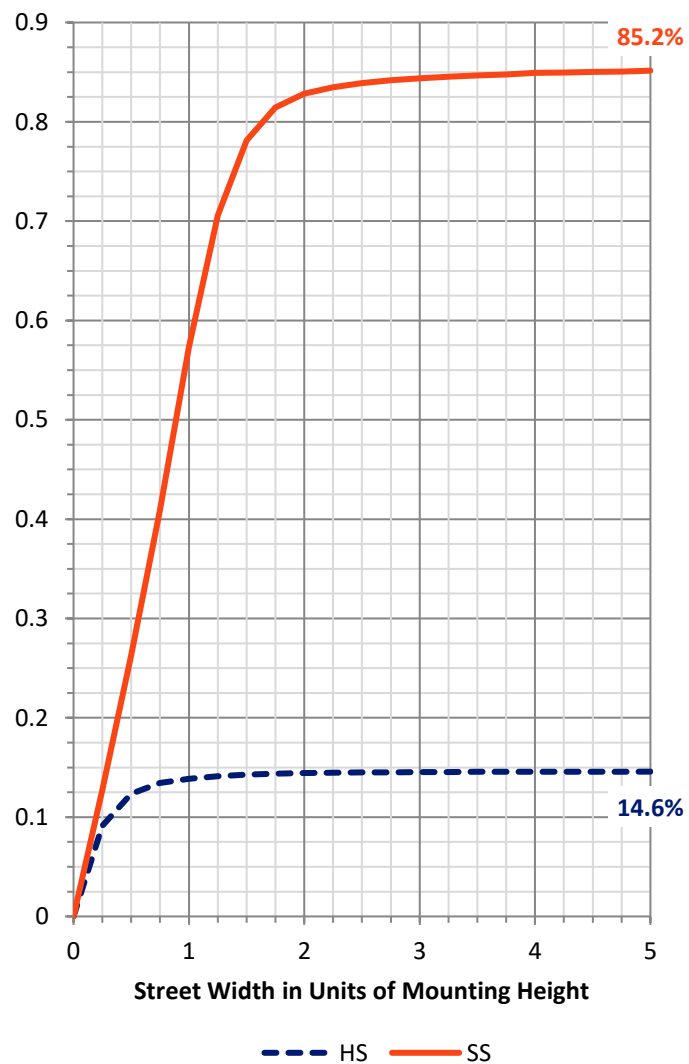
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5726.5	0.0	5726.5
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	33231.5	0.0	33231.5
	% Fixture	85.3	0.0	85.3
Total	Lumens	38958.0	0.0	38958.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	453.0	1.2
10°-20°	1257.0	3.2
20°-30°	2188.7	5.6
30°-40°	3944.9	10.1
40°-50°	7824.0	20.1
50°-60°	10657.5	27.4
60°-70°	8506.8	21.8
70°-80°	3849.5	9.9
80°-90°	276.7	0.7
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°	38958.0	100.0
0°-180°	38958.0	100.0

Coefficient of Utilization



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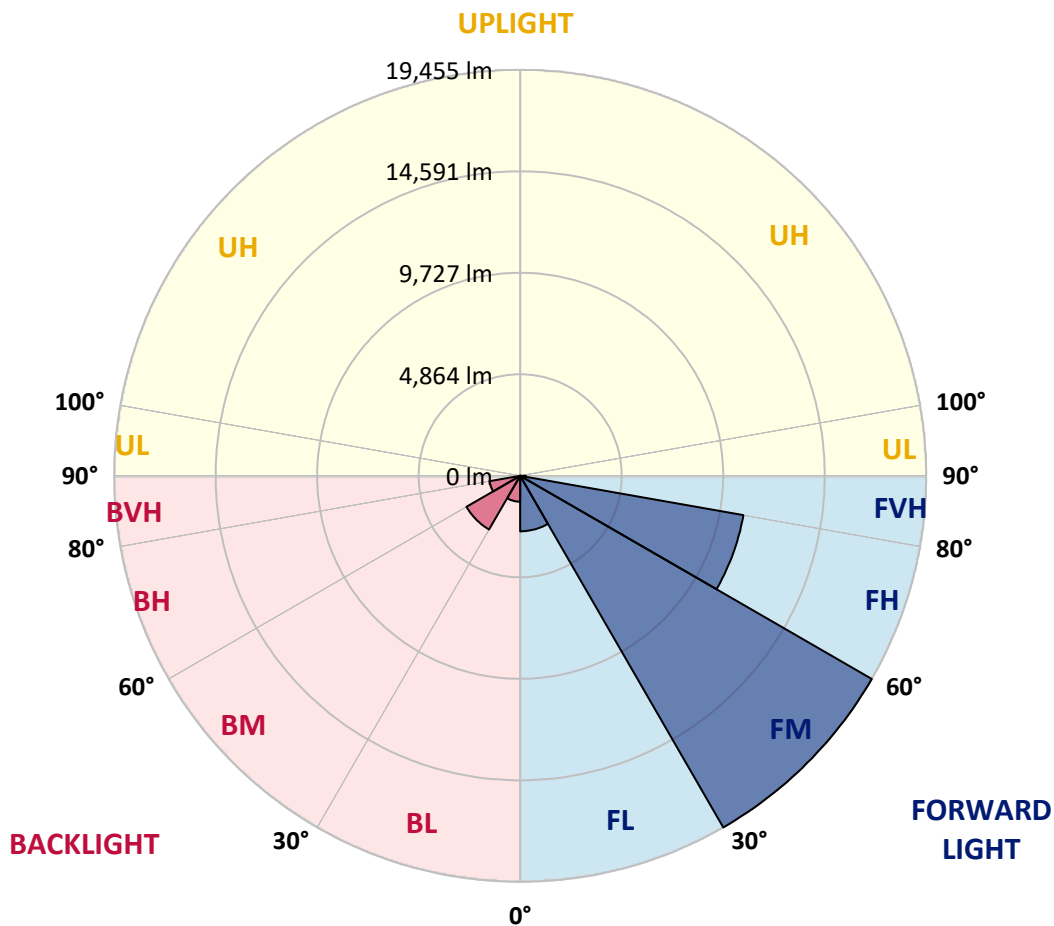
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2659.4	6.8			
FM	(30°-60°)	19454.7	49.9			
FH	(60°-80°)	10861.3	27.9			G4/12000
FVH	(80°-90°)	256.2	0.7			G3/500
BL	(0°-30°)	1239.3	3.2	B3/2500		
BM	(30°-60°)	2971.7	7.6	B3/5000		
BH	(60°-80°)	1495.0	3.8	B3/2500		G3/2500
BVH	(80°-90°)	20.5	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	4808.2	4808.2	4808.2	4808.2	4808.2	4808.2	4808.2	4808.2	4808.2	4808.2	4808.2
2.5°	4920.7	4907.3	4926.1	4918.0	4912.7	4902.0	4896.6	4891.2	4880.5	4872.5	4840.3
5°	4934.1	4926.1	4944.8	4960.9	4977.0	4993.1	5001.1	5011.8	5001.1	4979.7	4947.5
7.5°	4821.6	4816.2	4856.4	4904.6	4977.0	5038.6	5105.6	5143.2	5145.8	5137.8	5103.0
10°	4813.5	4800.1	4840.3	4899.3	4993.1	5103.0	5220.9	5301.3	5312.0	5346.9	5309.3
12.5°	4939.5	4926.1	4982.4	5046.7	5143.2	5258.4	5403.1	5515.7	5531.8	5580.0	5553.2
15°	5151.2	5132.4	5196.8	5279.9	5403.1	5534.5	5687.2	5789.1	5802.5	5861.4	5813.2
17.5°	5397.8	5379.0	5454.1	5542.5	5676.5	5856.1	6033.0	6145.5	6161.6	6199.1	6110.7
20°	5714.0	5689.9	5748.9	5829.3	5971.3	6185.7	6397.5	6558.3	6555.6	6555.6	6410.9
22.5°	6081.2	6043.7	6094.6	6158.9	6292.9	6552.9	6834.3	7024.6	7024.6	6949.6	6711.0
25°	6475.2	6437.7	6494.0	6552.9	6670.8	6965.7	7295.3	7531.2	7541.9	7413.2	7032.7
27.5°	6968.3	6920.1	6963.0	7032.7	7102.3	7402.5	7793.8	8067.2	8072.6	7874.2	7338.2
30°	7917.1	7780.4	7646.4	7571.4	7603.5	7901.0	8319.1	8622.0	8648.8	8375.4	7670.5
32.5°	9653.8	9627.0	9155.3	8538.9	8217.3	8437.0	8906.1	9270.6	9286.7	8935.6	8102.0
35°	12352.7	12320.6	11562.1	10388.2	9340.3	9155.3	9619.0	10050.5	10039.8	9643.1	8662.2
37.5°	15574.2	15544.8	14545.1	12974.5	11278.0	10240.8	10538.3	10991.2	11058.2	10538.3	9385.8
40°	18326.7	18216.8	17584.3	16070.1	13850.9	12041.8	11846.2	12146.3	12216.0	11599.6	10305.1
42.5°	20411.9	20318.1	19996.5	19050.4	16965.2	14705.9	13387.2	13502.5	13580.2	12840.5	11361.1
45°	21492.0	21470.5	21599.2	21510.7	20138.5	17975.6	15590.3	15110.6	15140.1	14215.4	12559.1
47.5°	21644.7	21634.0	22221.0	23051.8	22866.9	21663.5	18417.9	17115.3	17010.8	15767.2	13861.6
50°	20744.2	20722.8	21848.4	23405.6	24689.4	24761.7	21628.6	19374.7	19144.2	17372.6	15220.5
52.5°	17868.4	17863.1	19712.4	22304.0	25329.9	27474.0	24801.9	21856.5	21470.5	19071.8	16657.0
55°	13749.1	13848.2	15968.2	19031.6	24161.4	28779.2	27650.9	24611.6	24019.3	20781.7	17981.0
57.5°	9739.6	9884.3	11980.2	14708.6	20537.8	28007.4	29577.9	27372.2	26734.3	22486.3	19323.7
60°	5231.6	5360.3	7458.8	10715.2	15279.4	25128.9	30593.7	29768.2	29165.2	24105.1	20535.2
62.5°	3117.0	3159.9	4028.2	6917.4	10334.6	19197.8	30162.2	31593.4	31097.5	25463.9	21588.4
65°	2237.9	2245.9	2682.8	4223.9	6274.2	11663.9	27136.3	32467.1	32314.3	26487.7	22368.4
67.5°	1884.1	1878.8	2061.0	2806.1	4274.8	5842.7	20797.8	31231.6	31880.1	27136.3	22810.6
70°	1616.1	1624.2	1838.6	2055.7	3213.5	3307.3	10339.9	27192.6	28575.5	27307.8	22783.8
72.5°	1203.4	1230.2	1428.5	1873.4	2425.5	2275.4	3569.9	20162.6	22663.2	25729.2	21601.8
75°	849.6	863.0	1005.0	1575.9	1809.1	1656.3	1822.5	10423.0	13628.5	19725.8	17680.8
77.5°	654.0	678.1	761.2	1101.5	1782.3	1163.2	1114.9	3607.5	5542.5	11915.9	12122.2
80°	353.8	396.7	549.4	796.0	1251.6	822.8	552.1	1436.5	1878.8	5572.0	4674.1
82.5°	182.2	203.7	383.3	573.5	712.9	718.3	273.4	597.7	774.6	1720.6	640.6
85°	72.4	88.4	257.3	316.3	367.2	353.8	123.3	241.2	278.7	477.1	195.6
87.5°	16.1	26.8	93.8	72.4	69.7	75.0	29.5	56.3	53.6	56.3	34.8
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°	4808.2	4808.2	4808.2	4808.2	4808.2	4808.2	4808.2	4808.2	4808.2	4808.2	4808.2
2.5°	4837.6	4826.9	4797.4	4765.3	4727.7	4706.3	4692.9	4690.2	4671.5	4658.1	4671.5
5°	4918.0	4907.3	4851.0	4784.0	4711.7	4655.4	4601.8	4553.5	4483.9	4470.5	4465.1
7.5°	5078.8	5049.4	4958.2	4867.1	4730.4	4566.9	4368.6	4140.8	3937.1	3875.5	3846.0
10°	5277.2	5237.0	5121.7	4960.9	4658.1	4213.2	3733.4	3288.5	2934.7	2835.6	2798.1
12.5°	5502.3	5467.5	5314.7	5017.2	4355.2	3548.5	2814.1	2262.0	1919.0	1833.2	1809.1
15°	5770.3	5719.4	5507.7	4931.4	3813.8	2696.2	1932.4	1605.4	1482.1	1466.0	1450.0
17.5°	6054.4	5971.3	5679.2	4623.2	3084.8	1916.3	1492.8	1399.0	1345.4	1329.3	1321.3
20°	6314.4	6207.2	5781.0	4156.9	2304.9	1492.8	1337.4	1275.7	1227.5	1208.7	1198.0
22.5°	6574.4	6421.6	5781.0	3521.7	1728.7	1324.0	1227.5	1171.2	1114.9	1090.8	1077.4
25°	6845.1	6641.4	5679.2	2814.1	1391.0	1214.1	1123.0	1061.3	1013.1	983.6	972.9
27.5°	7107.7	6826.3	5446.0	2144.1	1238.2	1117.6	1026.5	967.5	922.0	900.5	900.5
30°	7357.0	7008.5	5119.0	1626.8	1139.1	1023.8	938.0	887.1	841.6	820.1	822.8
32.5°	7694.7	7239.0	4770.6	1334.7	1053.3	935.4	857.6	809.4	769.2	753.1	753.1
35°	8163.7	7579.4	4470.5	1310.6	980.9	863.0	785.3	739.7	699.5	686.1	686.1
37.5°	8828.3	8128.8	4312.3	1471.4	922.0	798.7	726.3	678.1	640.6	629.8	627.2
40°	9648.5	8873.9	4398.1	1632.2	881.8	742.4	672.7	624.5	592.3	578.9	576.2
42.5°	10621.4	9793.2	4872.5	1755.5	855.0	694.2	621.8	568.2	546.7	541.4	541.4
45°	11739.0	10803.6	5598.8	1886.8	812.1	648.6	570.9	530.7	514.6	511.9	509.2
47.5°	13009.4	11913.2	6440.4	2050.3	769.2	605.7	530.7	503.9	490.5	485.1	485.1
50°	14269.0	13030.8	7306.0	2141.4	734.4	565.5	498.5	477.1	466.3	463.7	463.7
52.5°	15587.6	14180.6	8005.5	2055.7	704.9	533.3	471.7	455.6	444.9	442.2	442.2
55°	16844.6	15110.6	8126.2	1744.8	645.9	501.2	442.2	434.2	420.8	420.8	418.1
57.5°	17927.4	15576.9	7273.9	1281.1	586.9	452.9	412.7	404.7	394.0	391.3	388.6
60°	18921.7	15442.9	5614.9	863.0	522.6	404.7	375.2	369.9	359.1	345.7	343.1
62.5°	19481.9	14853.3	3840.6	562.8	458.3	353.8	332.3	329.7	305.5	278.7	273.4
65°	19693.6	13641.9	2396.0	410.1	383.3	302.9	286.8	281.4	246.6	217.1	214.4
67.5°	19508.7	11647.8	1208.7	324.3	302.9	251.9	235.9	235.9	211.7	184.9	182.2
70°	18769.0	8731.9	509.2	260.0	233.2	193.0	193.0	203.7	179.6	150.1	147.4
72.5°	17163.6	5874.8	270.7	198.3	174.2	136.7	158.1	166.2	142.0	112.6	112.6
75°	13644.5	3583.3	187.6	147.4	109.9	96.5	120.6	126.0	96.5	75.0	72.4
77.5°	9332.2	2058.3	126.0	93.8	69.7	56.3	83.1	77.7	50.9	34.8	37.5
80°	4097.9	857.6	72.4	42.9	26.8	21.4	29.5	21.4	16.1	10.7	10.7
82.5°	479.7	201.0	26.8	16.1	10.7	5.4	2.7	0.0	0.0	0.0	0.0
85°	99.2	24.1	13.4	5.4	2.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	18.8	5.4	2.7	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)