

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: P940255

Luminaire Tested: **GALN-SB3B-727-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940255
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3B-727-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15527 lumens
Efficiency: N/A
Efficacy: 142.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

Input Watts (W): 109.2
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

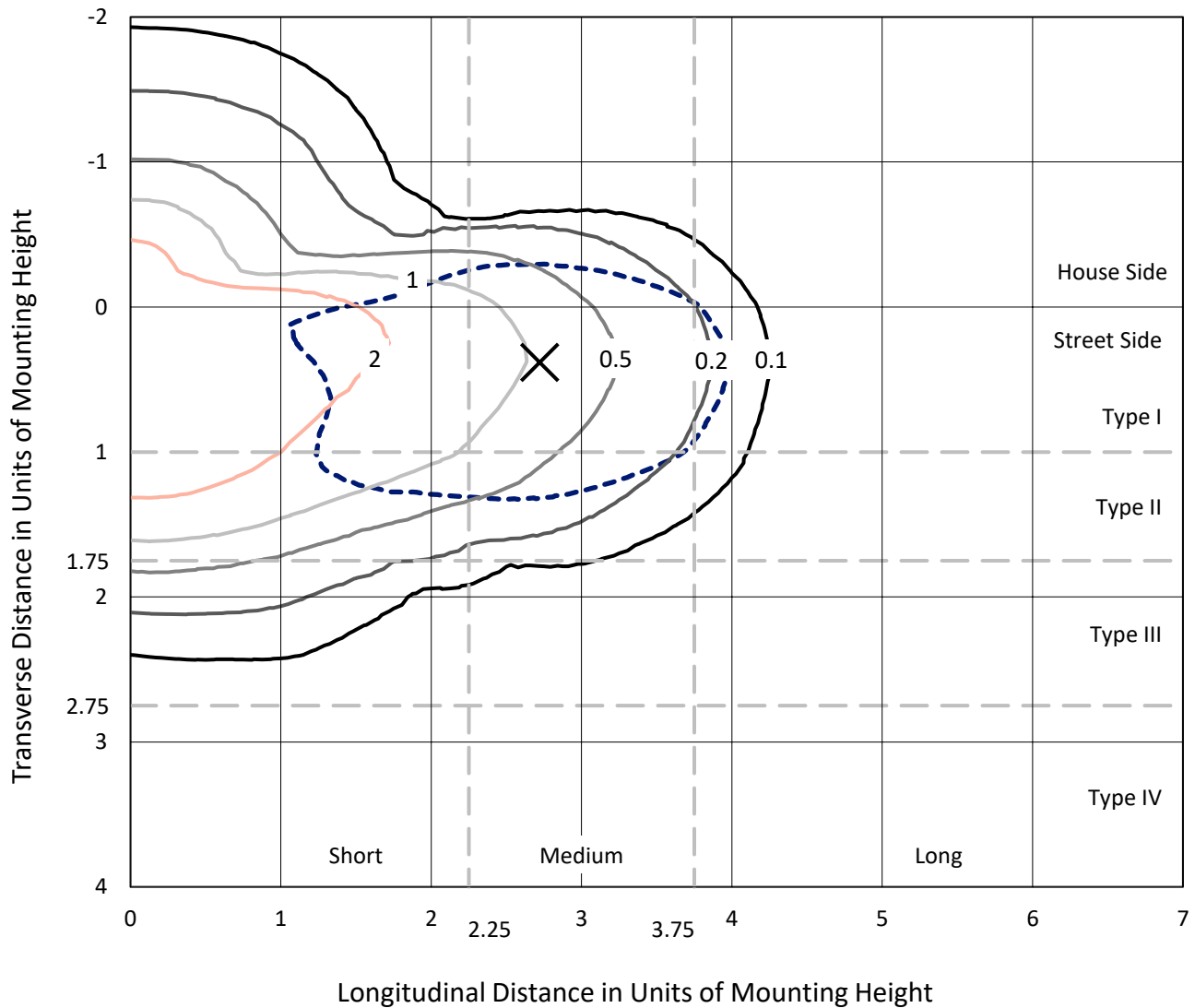


REPORT NUMBER: P940255

CATALOG NUMBER: GALN-SB3B-727-U-T2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

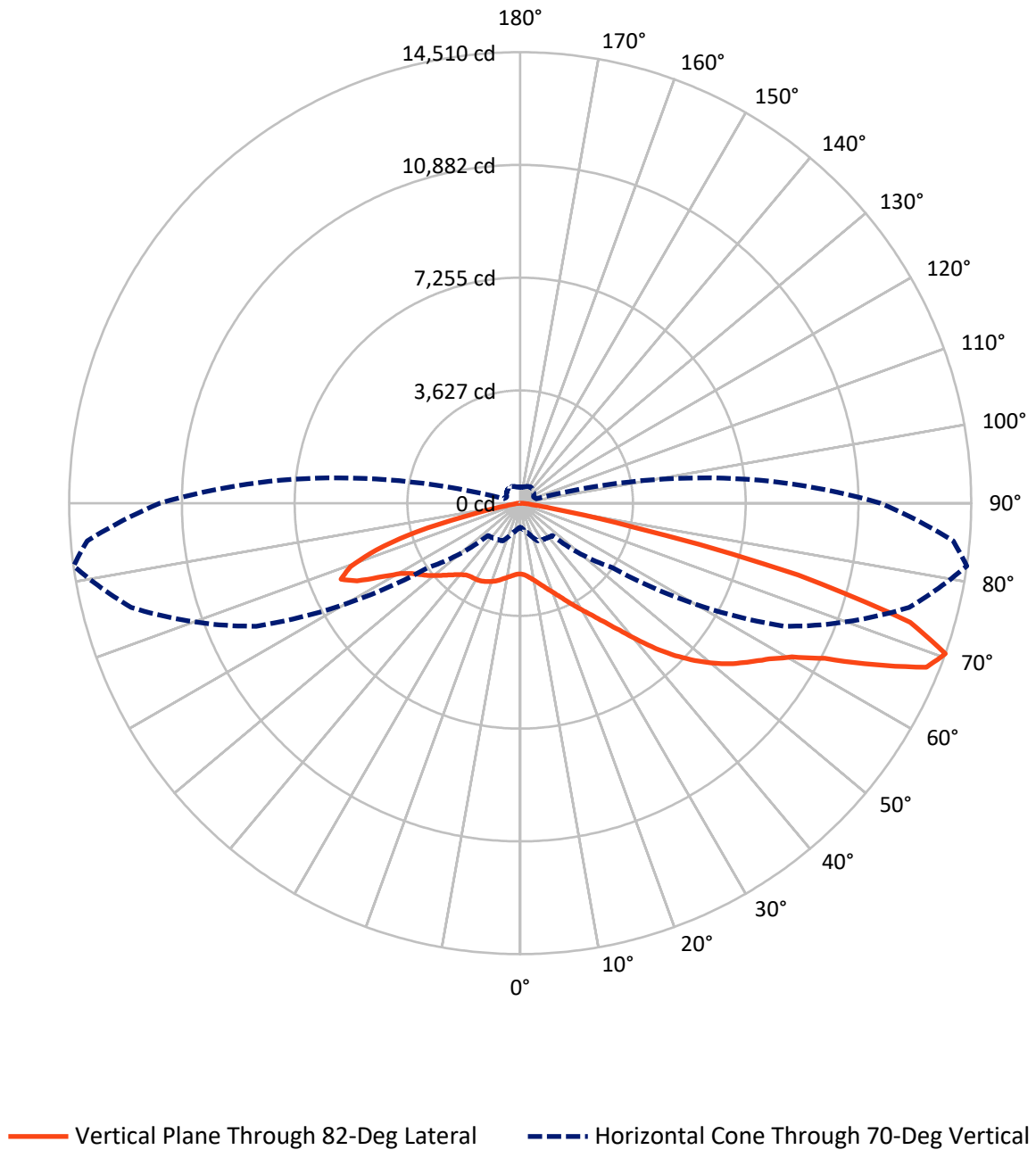


Based on 25 foot mounting height. Maximum calculated value = 4.1 fc
Type II - Medium - N/A

REPORT NUMBER: P940255

CATALOG NUMBER: GALN-SB3B-727-U-T2

Luminous Intensity Polar Plot



REPORT NUMBER: P940255

CATALOG NUMBER: GALN-SB3B-727-U-T2

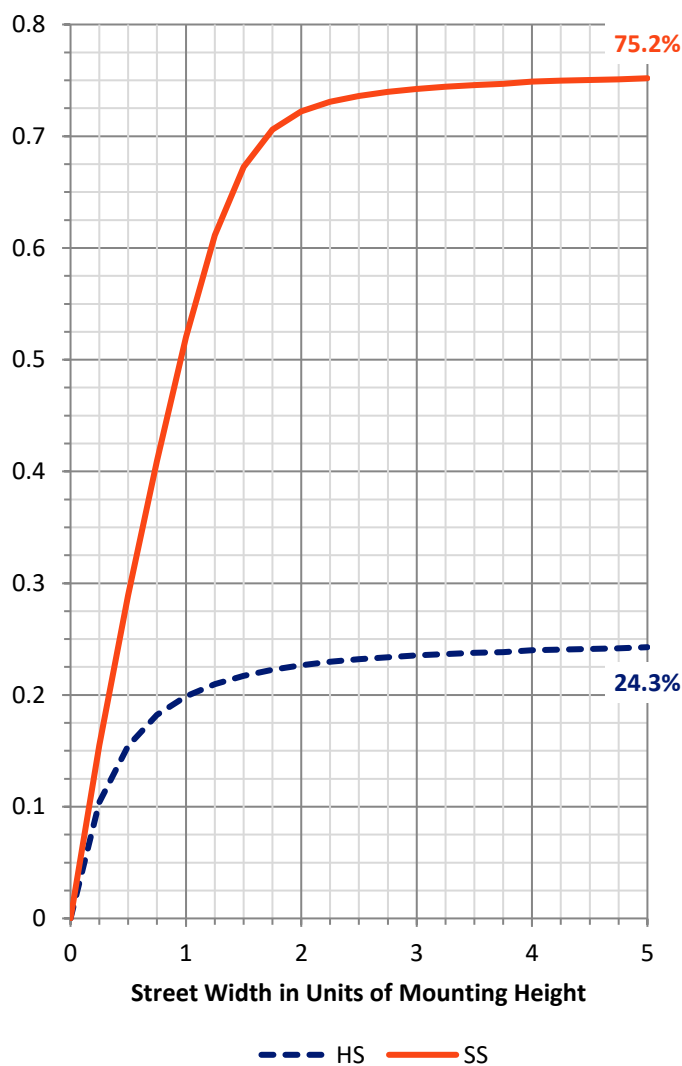
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3827.8	0.0	3827.8
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	11699.2	0.0	11699.2
	% Fixture	75.3	0.0	75.3
Total	Lumens	15527.0	0.0	15527.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.9	1.4
10°-20°	617.5	4.0
20°-30°	1033.1	6.7
30°-40°	1613.9	10.4
40°-50°	2570.3	16.6
50°-60°	3576.9	23.0
60°-70°	3741.6	24.1
70°-80°	1955.6	12.6
80°-90°	203.1	1.3
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°	15527.0	100.0
0°-180°	15527.0	100.0

Coefficient of Utilization



REPORT NUMBER: P940255

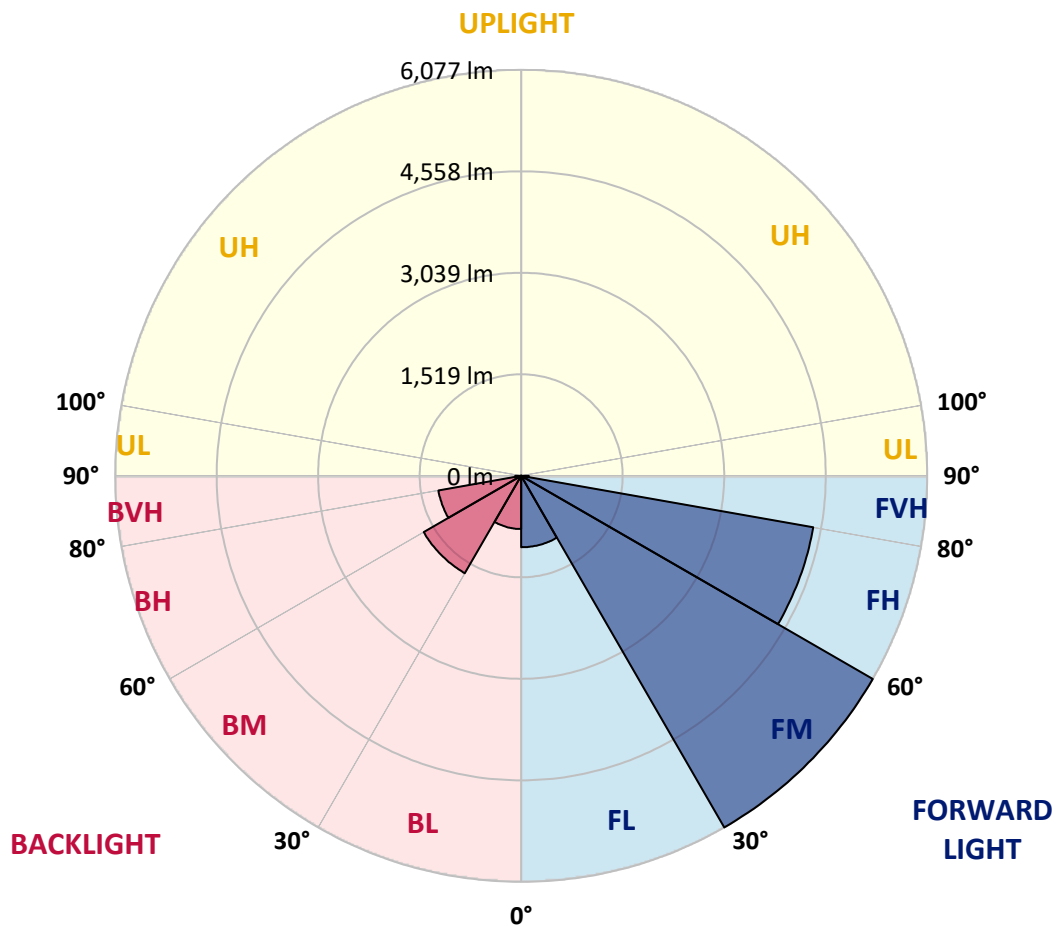
CATALOG NUMBER: GALN-SB3B-727-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1069.2	6.9			
FM	(30°-60°)	6077.1	39.1			
FH	(60°-80°)	4439.2	28.6			G2/5000
FVH	(80°-90°)	113.7	0.7			G2/225
BL	(0°-30°)	796.3	5.1	B2/1000		
BM	(30°-60°)	1684.1	10.8	B2/2500		
BH	(60°-80°)	1258.0	8.1	B3/2500		G3/2500
BVH	(80°-90°)	89.4	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium



REPORT NUMBER: P940255

CATALOG NUMBER: GALN-SB3B-727-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	2276.5	2276.5	2276.5	2276.5	2276.5	2276.5	2276.5	2276.5	2276.5	2276.5	2276.5
2.5°	2330.8	2344.0	2339.9	2335.8	2335.8	2330.0	2329.2	2320.9	2314.4	2303.6	2301.2
5°	2360.5	2374.5	2372.8	2376.1	2386.9	2389.3	2391.8	2386.9	2373.7	2360.5	2354.7
7.5°	2334.1	2349.8	2354.7	2374.5	2407.5	2437.1	2459.4	2468.4	2456.1	2437.1	2428.1
10°	2245.1	2262.4	2279.7	2326.7	2385.2	2455.2	2514.6	2550.0	2547.5	2529.4	2513.7
12.5°	2064.7	2082.8	2119.9	2211.4	2318.5	2442.1	2552.5	2626.6	2652.2	2639.0	2611.8
15°	1920.5	1936.2	1964.2	2058.1	2197.4	2385.2	2566.5	2710.7	2775.7	2768.3	2735.4
17.5°	1916.4	1923.0	1940.3	1984.8	2091.9	2296.2	2551.6	2793.0	2917.5	2916.6	2875.4
20°	1988.9	1991.4	2001.3	2010.3	2071.3	2228.7	2513.7	2861.4	3076.5	3076.5	3032.0
22.5°	2089.4	2087.8	2097.7	2089.4	2119.1	2222.9	2489.8	2921.6	3253.6	3266.8	3210.8
25°	2240.2	2232.0	2229.5	2210.5	2216.3	2276.5	2516.2	2990.0	3463.7	3490.9	3420.9
27.5°	2441.2	2428.1	2419.0	2375.3	2360.5	2386.9	2597.0	3072.3	3697.7	3744.7	3655.7
30°	2703.2	2679.3	2666.2	2590.4	2536.8	2540.9	2718.9	3181.9	3942.4	4018.2	3905.3
32.5°	3060.8	3023.7	2988.3	2863.9	2765.9	2733.7	2876.3	3333.5	4207.7	4328.8	4183.8
35°	3461.2	3431.6	3393.7	3201.7	3050.9	2976.8	3088.8	3545.3	4518.3	4710.3	4521.6
37.5°	3846.8	3821.3	3839.4	3580.7	3386.3	3278.3	3367.3	3829.5	4901.4	5184.8	4945.1
40°	4245.6	4225.8	4228.3	3981.1	3754.5	3633.4	3705.1	4186.3	5340.6	5749.2	5454.3
42.5°	4679.0	4664.1	4614.7	4395.5	4141.0	4028.1	4094.0	4598.2	5811.8	6391.9	6012.9
45°	5164.2	5155.2	5109.0	4857.7	4566.1	4439.2	4528.2	5053.0	6285.6	6996.6	6573.9
47.5°	5583.6	5591.0	5585.3	5373.5	5071.1	4884.9	4991.2	5527.6	6726.4	7565.1	7112.0
50°	5785.5	5824.2	5881.0	5815.1	5627.3	5437.8	5458.4	5985.7	7146.6	8098.2	7627.7
52.5°	5680.0	5753.3	5908.2	6013.7	6086.2	6046.6	5991.4	6440.5	7542.0	8579.3	8115.5
55°	5287.0	5390.0	5647.1	5901.6	6271.6	6559.1	6631.6	6944.7	7927.6	9002.8	8576.9
57.5°	4571.0	4738.3	4969.0	5483.9	6106.8	6807.1	7378.1	7644.2	8336.3	9455.1	9059.7
60°	3343.4	3567.5	3854.2	4620.5	5530.1	6674.5	8013.3	8718.6	8917.1	10040.9	9688.3
62.5°	2139.7	2278.1	2541.8	3263.5	4309.0	5994.7	8207.8	10061.5	9901.7	11001.6	10630.9
65°	1464.9	1553.9	1795.3	2200.7	2785.6	4462.3	7687.0	11068.4	11465.5	12524.2	12242.4
67.5°	1064.5	1132.0	1338.0	1693.1	1815.1	2640.6	5965.1	11022.2	12985.6	14092.9	13654.6
70°	776.1	823.9	996.9	1338.0	1396.5	1469.0	3613.7	9369.5	12952.6	14509.8	13985.0
72.5°	575.1	608.0	724.2	1038.1	1130.4	992.0	1788.7	6809.6	11130.1	13124.0	12703.0
75°	416.1	440.8	526.5	794.2	904.6	755.5	892.3	3979.5	7763.7	9231.9	9306.0
77.5°	318.0	337.0	393.0	581.7	724.2	566.8	553.7	1830.7	3681.2	3699.3	3907.0
80°	255.4	267.8	298.3	409.5	555.3	424.3	360.9	739.0	1163.4	984.6	1033.2
82.5°	187.9	208.4	252.1	287.5	397.1	292.5	220.0	373.2	442.4	380.6	383.9
85°	107.1	121.1	152.4	206.0	253.8	178.8	126.1	165.6	206.0	168.9	150.8
87.5°	37.9	49.4	53.6	80.7	110.4	74.2	48.6	47.8	67.6	50.3	42.0
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: P940255

CATALOG NUMBER: GALN-SB3B-727-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2276.5	2276.5	2276.5	2276.5	2276.5	2276.5	2276.5	2276.5	2276.5	2276.5	2276.5
2.5°	2292.9	2288.8	2272.3	2250.1	2227.0	2204.8	2197.4	2181.7	2171.0	2165.2	2171.8
5°	2339.1	2325.9	2287.2	2237.7	2185.8	2129.8	2090.2	2054.0	2027.6	2002.9	2012.8
7.5°	2405.0	2381.9	2315.2	2228.7	2136.4	2043.3	1974.1	1921.3	1885.9	1862.9	1867.8
10°	2481.6	2446.2	2344.0	2214.7	2072.1	1938.7	1857.1	1811.8	1789.5	1777.2	1780.5
12.5°	2569.8	2519.5	2373.7	2182.5	1974.1	1821.7	1765.6	1752.4	1753.3	1754.1	1755.7
15°	2678.5	2608.5	2397.6	2112.5	1846.4	1731.9	1722.0	1743.4	1765.6	1776.3	1775.5
17.5°	2801.3	2702.4	2401.7	1997.1	1721.1	1674.2	1705.5	1751.6	1785.4	1800.2	1803.5
20°	2933.1	2798.0	2372.0	1834.0	1618.2	1627.2	1683.2	1742.6	1779.6	1798.6	1803.5
22.5°	3083.9	2900.1	2301.2	1662.6	1534.1	1576.1	1642.0	1699.7	1738.4	1757.4	1762.3
25°	3256.1	3014.7	2189.9	1518.5	1461.6	1518.5	1584.4	1632.2	1663.5	1680.8	1685.7
27.5°	3447.2	3134.1	2041.6	1403.9	1398.2	1459.1	1513.5	1550.6	1567.1	1580.3	1585.2
30°	3639.2	3242.9	1862.0	1317.4	1343.0	1400.6	1439.4	1455.8	1460.8	1463.3	1469.0
32.5°	3846.8	3336.8	1673.4	1245.7	1290.2	1343.8	1366.9	1374.3	1351.2	1335.6	1340.5
35°	4098.1	3437.3	1488.8	1188.9	1238.3	1284.5	1291.9	1285.3	1258.1	1226.0	1227.6
37.5°	4408.7	3562.6	1341.3	1148.5	1189.7	1220.2	1211.1	1209.5	1212.0	1174.1	1176.5
40°	4789.4	3725.7	1233.4	1117.2	1150.2	1156.8	1131.2	1145.2	1157.6	1099.9	1101.6
42.5°	5212.0	3922.6	1165.0	1095.8	1117.2	1101.6	1062.0	1077.7	1076.0	1000.2	999.4
45°	5642.9	4136.8	1141.1	1080.1	1086.7	1055.4	1011.8	1015.9	981.3	912.9	915.4
47.5°	6071.4	4366.7	1155.9	1067.0	1048.8	1013.4	979.6	961.5	910.4	859.3	859.3
50°	6491.6	4608.1	1210.3	1040.6	996.9	976.3	951.6	919.5	865.1	821.4	818.1
52.5°	6881.3	4851.2	1271.3	996.9	931.8	944.2	928.5	891.5	837.9	793.4	794.2
55°	7250.4	5094.2	1295.2	936.8	870.9	916.2	907.1	838.7	774.5	738.2	734.9
57.5°	7652.4	5386.7	1268.8	860.2	821.4	884.1	849.4	773.6	736.6	709.4	706.9
60°	8209.4	5845.6	1212.0	765.4	774.5	836.3	776.9	745.6	705.3	674.8	673.1
62.5°	9134.6	6701.7	1120.5	671.5	719.3	765.4	742.3	711.0	669.8	640.2	640.2
65°	10502.3	7891.4	948.3	598.2	657.5	696.2	705.3	674.0	631.1	599.8	601.5
67.5°	11655.8	8637.8	717.6	537.2	594.0	640.2	665.7	635.2	589.9	559.4	560.3
70°	11592.4	8095.7	547.9	477.0	538.0	585.0	617.9	594.0	545.4	516.6	519.1
72.5°	10296.4	6772.5	443.3	416.1	481.2	527.3	566.8	548.7	499.3	471.3	471.3
75°	7564.3	4807.5	354.3	354.3	410.3	467.2	510.8	499.3	454.0	434.2	428.4
77.5°	3188.5	2016.9	277.7	294.1	341.1	401.2	455.6	459.7	420.2	444.9	403.7
80°	847.8	556.1	211.7	231.5	267.8	331.2	396.3	394.7	351.8	328.7	305.7
82.5°	323.0	219.2	150.8	163.1	193.6	253.8	313.9	323.8	281.0	243.1	243.1
85°	124.4	93.9	93.1	98.0	112.9	168.1	237.3	245.5	211.7	179.6	185.4
87.5°	32.1	28.0	34.6	33.0	51.9	89.8	135.9	140.9	129.4	75.0	107.1
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)