

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: P946274

Luminaire Tested: **GALN-SB2A-722-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946274
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2A-722-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7510 lumens
Efficiency: N/A
Efficacy: 131.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 57.3
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



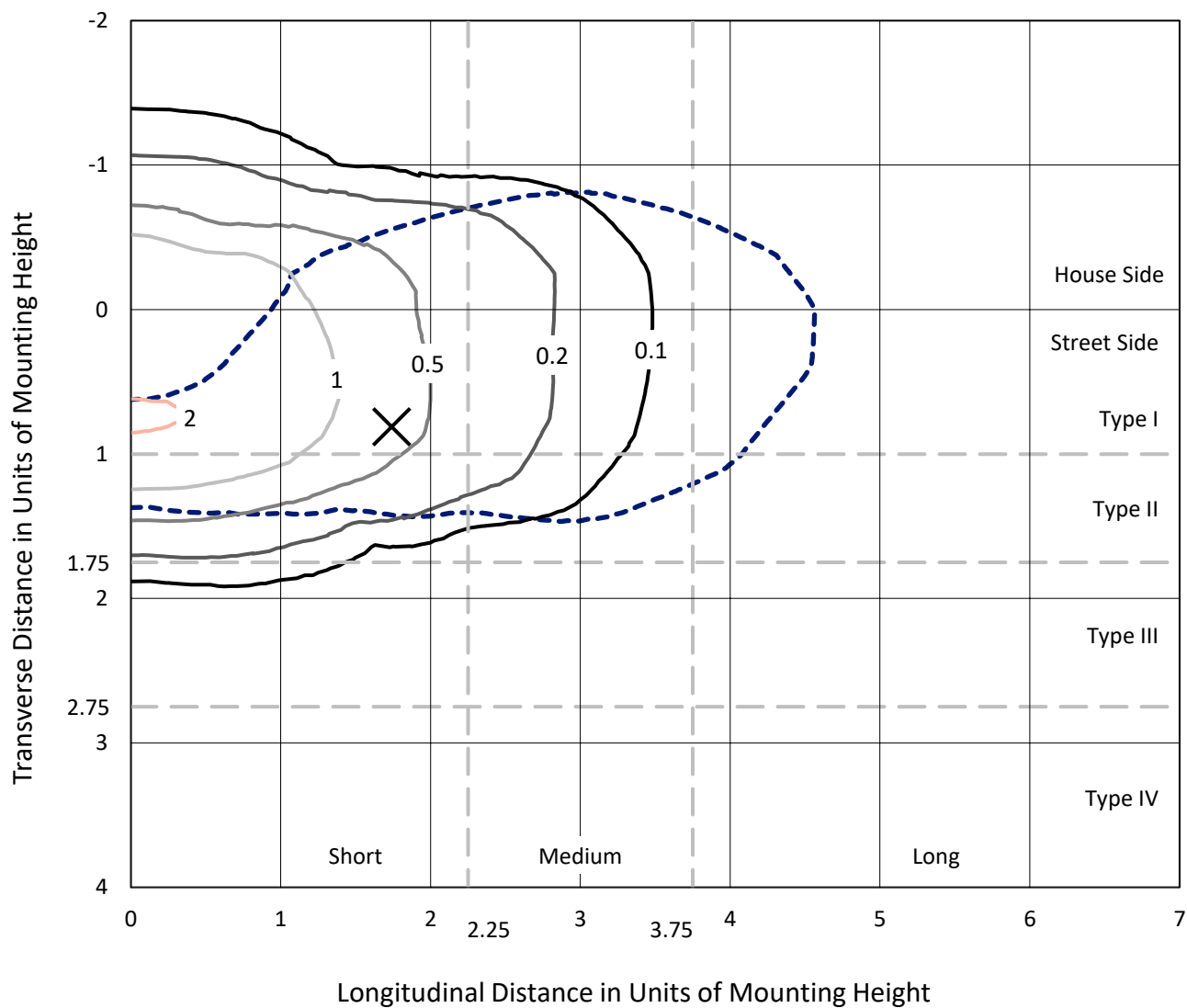
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Iso-Footcandle Lines of Horizontal Illumination

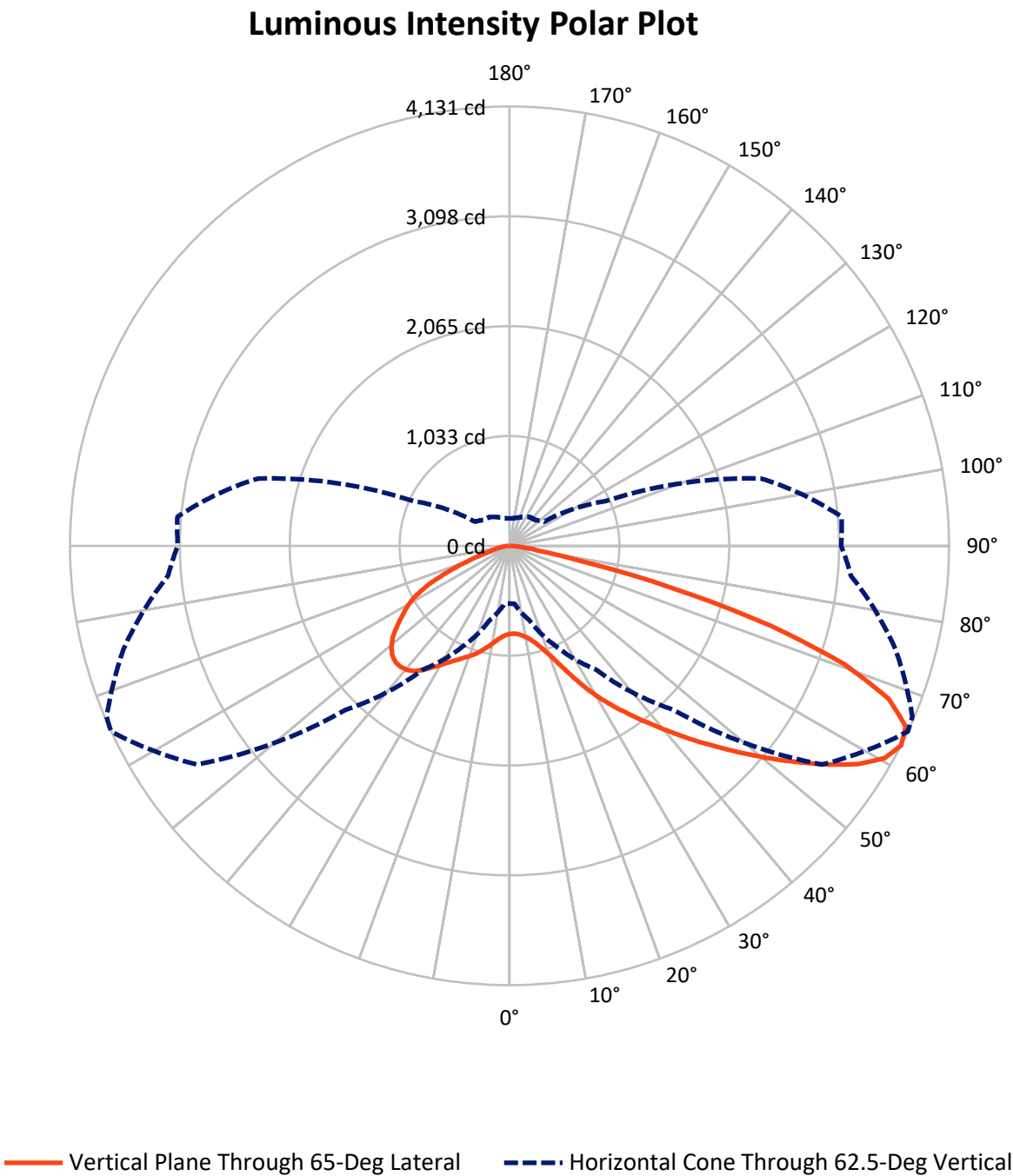
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
Type II - Short - N/A

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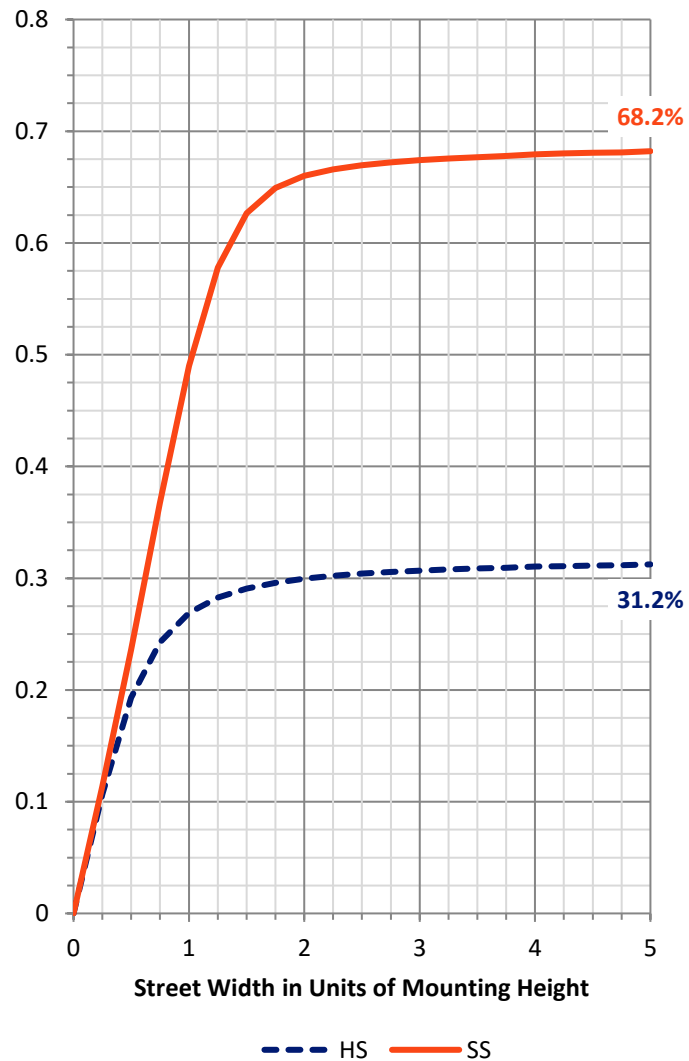
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2369.8	0.0	2369.8
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	5140.2	0.0	5140.2
	% Fixture	68.4	0.0	68.4
Total	Lumens	7510.0	0.0	7510.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.5	1.1
10°-20°	279.8	3.7
20°-30°	567.3	7.6
30°-40°	981.7	13.1
40°-50°	1485.6	19.8
50°-60°	1741.8	23.2
60°-70°	1460.3	19.4
70°-80°	806.2	10.7
80°-90°	104.7	1.4
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°	7510.0	100.0
0°-180°	7510.0	100.0

Coefficient of Utilization



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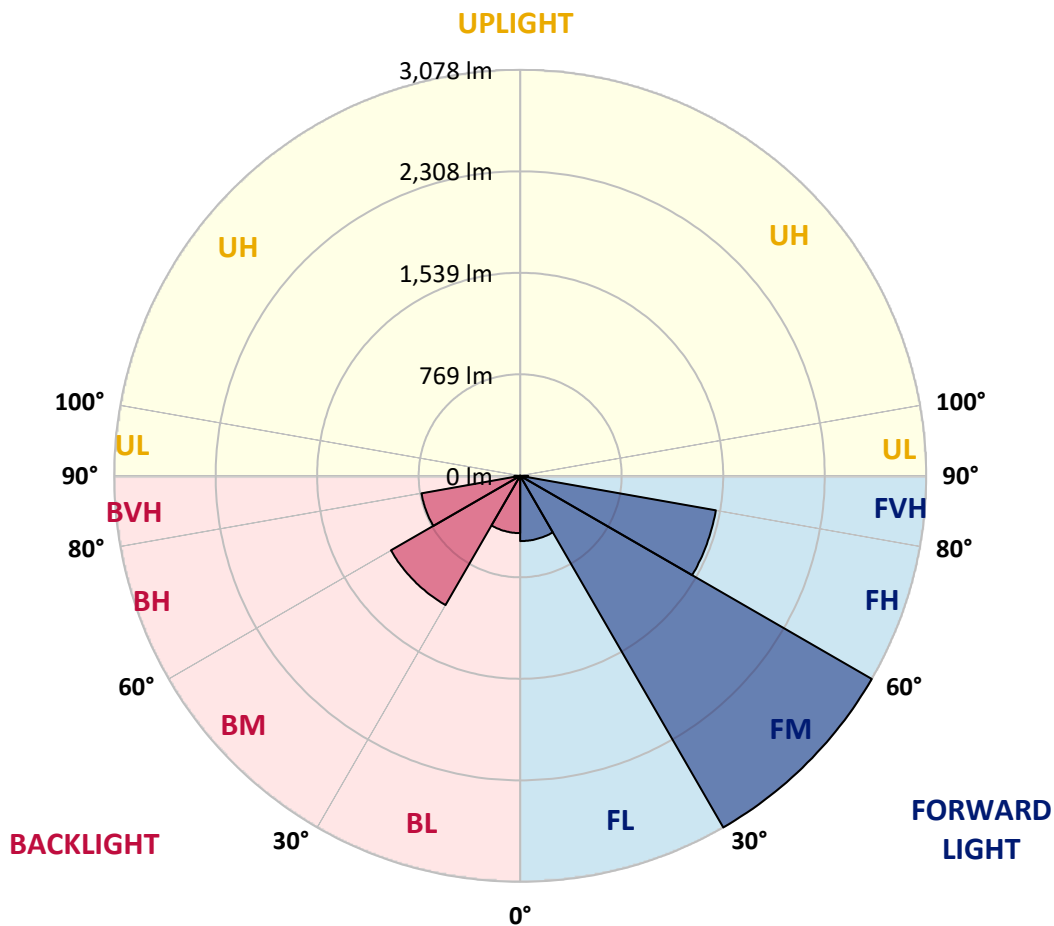
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	495.0	6.6			
FM	(30°-60°)	3077.8	41.0			
FH	(60°-80°)	1506.3	20.1			G1/1800
FVH	(80°-90°)	61.0	0.8			G1/100
BL	(0°-30°)	434.6	5.8	B1/500		
BM	(30°-60°)	1131.3	15.1	B2/2500		
BH	(60°-80°)	760.2	10.1	B2/1000		G2/1000
BVH	(80°-90°)	43.7	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	827.6	827.6	827.6	827.6	827.6	827.6	827.6	827.6	827.6	827.6	827.6
2.5°	822.1	819.8	821.7	821.7	822.5	822.1	824.8	825.6	826.8	829.1	829.1
5°	813.9	813.5	817.0	820.2	823.3	826.0	829.5	834.6	835.4	838.1	841.6
7.5°	811.2	808.9	814.3	818.2	825.6	832.2	841.6	850.2	853.7	854.8	861.5
10°	832.2	828.3	833.4	835.8	842.0	848.6	859.5	873.2	877.1	881.7	889.1
12.5°	868.1	863.8	871.2	874.7	880.6	886.4	893.8	907.1	909.0	917.6	924.6
15°	917.2	912.1	916.8	921.1	930.8	936.3	943.7	956.5	956.5	963.2	968.2
17.5°	983.8	977.2	980.7	982.3	988.5	996.7	1009.1	1020.4	1026.3	1023.9	1016.9
20°	1083.2	1075.0	1075.0	1067.2	1064.9	1071.5	1087.8	1103.4	1109.7	1097.6	1080.4
22.5°	1232.4	1220.7	1214.1	1187.6	1177.1	1177.8	1194.2	1213.3	1218.4	1196.9	1158.4
25°	1422.1	1403.8	1394.9	1355.9	1332.1	1311.5	1324.3	1348.9	1355.9	1329.4	1267.1
27.5°	1611.9	1613.1	1604.5	1557.7	1518.4	1480.6	1474.0	1499.7	1507.1	1477.1	1399.9
30°	1878.0	1850.3	1834.0	1777.9	1721.8	1668.8	1641.5	1652.0	1654.0	1618.1	1528.5
32.5°	2107.5	2100.5	2065.4	2016.3	1944.2	1861.3	1815.7	1798.9	1795.8	1744.8	1638.4
35°	2368.9	2365.0	2328.0	2269.6	2191.7	2076.3	1994.1	1946.2	1942.3	1870.6	1747.1
37.5°	2634.7	2634.7	2598.4	2534.5	2453.9	2309.7	2184.6	2108.7	2096.2	2002.7	1857.7
40°	2846.6	2833.8	2840.4	2813.5	2721.2	2568.0	2396.2	2285.9	2269.2	2157.0	1975.4
42.5°	2967.0	2962.7	3002.5	3032.5	2994.7	2872.3	2629.2	2478.0	2454.7	2326.9	2111.0
45°	2993.9	2989.2	3060.1	3170.0	3223.0	3172.7	2882.5	2680.2	2651.8	2504.5	2256.3
47.5°	2931.9	2922.6	3026.6	3200.0	3369.9	3458.3	3156.8	2899.6	2858.3	2677.5	2405.6
50°	2745.7	2736.7	2894.2	3124.4	3419.4	3652.4	3454.4	3132.2	3069.1	2863.0	2556.3
52.5°	2340.9	2345.2	2591.8	2908.2	3354.3	3773.2	3710.8	3377.3	3301.3	3052.7	2697.8
55°	1823.5	1832.8	2135.9	2484.3	3094.0	3754.8	3885.8	3629.8	3554.2	3231.2	2843.9
57.5°	1305.6	1346.9	1631.0	1975.8	2594.1	3464.6	3923.9	3869.8	3796.5	3426.0	2986.9
60°	846.3	853.7	1145.9	1493.4	1975.4	2948.7	3846.4	4051.7	3994.5	3624.7	3106.5
62.5°	542.4	547.4	725.5	1044.6	1421.8	2181.5	3585.4	4130.8	4113.3	3756.0	3221.4
65°	398.6	394.7	487.4	690.4	957.7	1345.4	3078.4	4092.7	4127.3	3838.2	3316.5
67.5°	332.7	327.3	372.9	478.1	705.6	764.1	2277.8	3844.5	3971.5	3828.9	3386.3
70°	303.1	298.5	326.1	355.0	550.5	511.6	1148.2	3342.2	3537.8	3722.5	3375.0
72.5°	256.8	248.6	286.4	315.2	428.2	392.4	474.6	2567.3	2805.7	3381.6	3216.0
75°	199.1	193.6	226.0	277.4	321.8	306.2	300.0	1558.9	1819.2	2615.2	2813.5
77.5°	157.8	150.4	180.0	216.2	289.5	231.0	218.6	671.3	929.3	1669.6	2105.2
80°	118.8	112.2	136.8	171.0	222.5	174.2	141.4	273.9	350.3	845.9	1058.6
82.5°	84.5	78.7	95.5	125.5	149.6	156.2	86.9	153.5	172.6	326.1	236.5
85°	54.2	50.7	63.9	78.7	95.1	100.5	53.0	80.3	88.1	134.4	98.6
87.5°	29.6	24.2	34.3	36.6	44.0	40.1	25.3	29.2	31.6	48.7	41.7
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°	827.6	827.6	827.6	827.6	827.6	827.6	827.6	827.6	827.6	827.6	827.6
2.5°	830.7	831.9	835.8	836.9	839.6	843.2	845.5	847.8	847.8	850.2	850.2
5°	842.0	844.7	852.9	857.2	864.2	871.2	875.5	880.6	883.7	885.2	886.0
7.5°	863.8	868.1	879.8	887.2	899.3	909.0	915.6	922.6	924.2	928.5	926.9
10°	893.4	898.5	911.7	925.8	940.2	952.3	958.5	963.5	965.5	966.3	964.3
12.5°	927.3	934.7	951.9	969.0	984.2	994.7	996.3	995.1	989.7	985.0	985.0
15°	969.0	975.6	994.7	1013.4	1028.2	1030.2	1020.4	1014.2	1007.6	1006.4	1006.4
17.5°	1018.9	1022.4	1039.9	1058.2	1059.4	1052.8	1038.4	1032.5	1026.3	1022.0	1022.4
20°	1076.9	1075.8	1088.2	1096.0	1087.8	1067.6	1045.8	1036.0	1029.8	1024.7	1025.1
22.5°	1146.3	1137.3	1135.8	1133.8	1112.0	1069.5	1039.9	1027.4	1017.7	1010.7	1013.0
25°	1247.2	1212.9	1189.1	1175.9	1126.8	1059.0	1021.2	993.6	975.2	963.2	967.8
27.5°	1373.4	1315.8	1255.8	1223.4	1126.8	1037.6	976.0	931.2	901.2	888.7	895.0
30°	1493.8	1433.4	1345.0	1280.7	1124.1	1002.5	903.2	840.8	805.8	793.3	800.7
32.5°	1596.7	1530.8	1439.7	1343.4	1117.5	945.6	812.8	743.8	709.9	695.1	702.5
35°	1692.2	1622.0	1534.7	1412.4	1099.9	862.2	713.4	660.8	623.0	599.2	607.0
37.5°	1790.0	1706.6	1624.7	1474.7	1068.4	764.8	637.0	592.2	547.8	515.9	524.4
40°	1896.3	1796.6	1721.0	1511.8	1016.5	672.1	577.8	536.9	489.8	455.9	462.5
42.5°	2020.6	1904.5	1828.1	1530.8	945.6	606.3	539.2	499.1	454.7	427.0	432.5
45°	2150.4	2023.3	1925.9	1530.5	866.5	575.5	526.8	487.0	437.9	409.1	413.8
47.5°	2286.3	2147.6	2010.5	1505.5	798.0	579.8	519.8	460.9	406.8	378.7	382.6
50°	2422.7	2283.6	2092.3	1458.8	768.7	570.4	493.7	424.3	360.4	335.1	336.6
52.5°	2557.9	2428.2	2162.8	1392.1	739.1	535.7	460.2	376.8	341.3	323.8	323.8
55°	2693.9	2571.2	2239.6	1295.1	665.1	495.2	404.0	358.8	326.1	310.1	308.6
57.5°	2830.3	2736.4	2312.4	1198.1	572.0	445.3	373.3	337.0	310.9	297.3	294.9
60°	2972.1	2925.3	2387.6	1108.9	480.0	381.4	350.7	319.5	293.0	277.8	276.6
62.5°	3118.2	3133.4	2446.5	993.9	395.5	342.5	330.4	298.5	272.7	258.3	257.9
65°	3265.5	3334.0	2485.0	834.6	320.7	305.5	308.6	275.5	249.4	236.9	236.5
67.5°	3376.5	3478.6	2474.1	631.6	263.0	270.4	281.3	251.3	226.8	217.0	217.4
70°	3389.0	3461.5	2366.6	432.5	220.1	236.1	250.9	227.5	202.2	195.2	195.6
72.5°	3223.0	3227.7	2067.0	282.5	186.2	207.3	219.0	203.4	178.8	171.8	171.4
75°	2787.8	2669.3	1517.6	186.2	155.9	178.1	189.0	178.1	154.3	155.9	150.4
77.5°	2112.2	1890.5	921.5	132.5	130.1	149.6	164.4	156.6	136.4	153.1	134.8
80°	1088.2	1022.8	411.1	99.0	102.9	119.6	135.2	125.1	107.9	102.9	93.9
82.5°	249.4	289.9	162.1	70.9	74.4	86.1	103.3	93.9	77.5	65.5	64.7
85°	87.3	95.5	71.7	44.4	43.6	53.8	70.1	62.7	52.6	42.1	44.4
87.5°	27.7	36.2	26.9	17.9	18.7	24.2	32.3	29.6	24.5	16.0	16.8
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)